RECIRCULATED DRAFT ENVIRONMENTAL IMPACT REPORT for the 2021-2029 Signal Hill Housing Element

SCH No. 2021050296

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TABLE OF CONTENTS

| Section | on | Page |
|--------------|---|--------|
| Execu | tive Summary | ES-1 |
| 1.0 | Introduction | 1.0-1 |
| 2.0 | Project Description | 3.0-1 |
| 4.6 | Hazards and Hazardous Materials | 4.7-1 |
| 4.7 | Land Use and Planning | 4.9-1 |
| 6.0 | Effects Found Not to be Significant | 6.0-1 |
| Apper | <u>ndices</u> | |
| F. Haz | zardous Materials Assessments | |
| F1 | 1a: Phase II Environmental Site Assessment, Town Center Northwest | |
| F1 | 11b: Human Health Risk Assessment, Town Center Northwest | |
| F1 | 11c: Review of Human Health Risk Assessment by OEHHA, Town Center Northwest | |
| | List of Figures | |
| Figure | | Page |
| 2.0-1 | Conceptual Site Plan: Walnut Bluff | 2.0-9 |
| 2.0-2 | Conceptual Site Plan: Orange Bluff | 2.0-10 |
| 2.0-3 | Conceptual Site Plan: Town Center Northwest | 2.0-11 |
| 2.0-4 | Conceptual Site Plan: Heritage Square | 2.0-12 |
| | List of Tables | |
| | List of Tables | |
| <u>Table</u> | | Page |
| 4.7-1 | SCAG 2020-2045 RTP/SCS Analysis | 4.9-24 |
| 4.7-2 | Project Consistency with General Plan Land Use Element | 4.9-26 |
| 4.7-3 | Project Consistency with Noise Element | 4.9-29 |

1. PURPOSE OF THIS ENVIRONMENTAL IMPACT REPORT

This document is a *Recirculated* Draft Environmental Impact Report (EIR) with respect to the proposed 2021-2029 Housing Element (Project) that has been prepared by the City of Signa Hill (City). *Modifications* to the Draft EIR that have been made for this Recirculated Draft EIR are shown through formatting - bold italic type for insertions and strikethrough for deletions.

The California Environmental Quality Act (CEQA) requires that projects subject to an approval action by a public agency of the State of California, and that are not otherwise exempt or excluded, undergo an environmental review process to identify and evaluate potential impacts. Section 15050 of the CEQA Guidelines states that environmental review shall be conducted by the Lead Agency, defined in CEQA Guidelines Section 15367 as the public agency with principal responsibility for approving a project. The Project is subject to approval actions by the City, which is therefore Lead Agency for CEQA purposes.

In accordance with CEQA Guidelines Section 15123, this section of the Draft EIR provides a brief description of the Project; identifies significant effects and proposed mitigation measures or alternatives that would reduce or avoid those effects; and describes areas of controversy and issues to be resolved.

Under CEQA and the CEQA Guidelines, a lead agency must recirculate an EIR (or portions thereof) for additional public review and comment when "significant new information is added to the EIR after public notice is given of the availability of the Draft EIR for public review under [CEQA Guidelines] Section 15087 but before certification" of the EIR.

The specific new information to the Project that necessitated this recirculation is the correction to the building heights of the potential development that could occur at the housing sites as stated in the Draft EIR. In addition, typographic errors in the Draft EIR were corrected, notably the corrections of an error in Mitigation Measure MM HAZ-5 Install Methane Mitigation Systems Subslab of Proposed Buildings.

CEQA Guidelines Section15088.5 (c) states that if revisions are limited to a few chapters or portions of an EIR, then the lead agency need only recirculate the chapters or portions that have been modified. Accordingly, this Recirculated Draft EIR includes the Introduction, Project Description, Hazards, Land Use, and Effects Found Not Significant. The remainder of the previously circulated Draft EIR remain valid.

2. OVERVIEW OF THE PROPOSED PROJECT

Project Location

The Project applies to the entire City of Signal Hill. The Project also identifies specific housing availability sites within the City:

- Orange Bluff: located in the Central neighborhood adjacent to the City boundary to the south of East 28th Street between Orange Avenue and south of where East 27th Street terminates.
- Walnut Bluff: located north of E. Willow Street at 2653 Walnut Avenue in the Central neighborhood.
- Town Center Northwest: located northeast of the intersection of E. Willow Street and Walnut Avenue
 in the Central neighborhood. South and east of the site are developed commercial retail centers
 named Town Center West and Town Center North.
- Heritage Square: located northwest of the intersection of Cherry Avenue and E. Burnett Street near
 the City center in the Civic Center neighborhood. North of the site is E. Crescent Heights Street and
 west of the site is Rose Avenue. The Crescent Heights Historic District Residential Specific Plan is
 directly adjacent to the west.

Project Objectives

Section 15124(b) of the CEQA Guidelines states that "the statement of objectives should include the underlying purpose of the project." The underlying purpose of the Project is to update the Housing Element of the City's General Plan. Objectives of the Housing Element include:

- 1. Inspire a more diverse, sustainable, and balanced community through implementation of strategies and programs that will result in economically and socially diversified housing choices that preserve and enhance the special character of Signal Hill.
- 2. Facilitate a variety of Housing housing Strategies strategies to meet Housing Element Production production targets in a way that Complements complements the Existing existing Character character of the Community.
- 3. Identify adequate sites to accommodate the 6th Cycle RHNA allocation and the City's housing needs.
- 4. Provide adequate housing stock to meet the needs of extremely low-, very low-, low-, and moderate-income households and special-needs groups.
- 5. Development regulations that remove constraints to the maintenance, improvement, and development of housing.
- 6. Maintenance and improvement of affordable housing conditions.
- 7. Housing opportunities for all persons, regardless of race, religion, sex, marital status, ancestry, national origin, color, familial status, or disability.
- 8. Improve and preserve assisted housing developments for lower-income households.

Project Characteristics

The Project identifies programs and strategies to achieve the housing goals of the City. This includes the identification of housing sites that could accommodate the City's 2021-2029 Regional Housing Needs Allocation (RHNA). The four housing sites identified are expected to accommodate the following:

- 1. Walnut Bluff: up to 90 dwelling units within a multifamily development not to exceed four stories.
- 2. Orange Bluff: *up to* 290 dwelling units within a multifamily development *not to exceed* of up to 5 *five* stories.
- 3. Town Center Northwest: mixed-use development with approximately 22,000 square feet of retail and restaurant and *up to* 297 *ownership* dwelling units in a *wrap structure not to exceed five stories*.
- 4. Heritage Square: mixed-use development with *up to* 72 dwelling units *in ownership townhomes not to exceed three stories and two-story single-family dwellings*, an existing 14,000-square-foot market and 18,650 square feet of new retail and restaurant space.

To implement the new Housing Element, the City intends to enact zoning and planning *amendments* changes *either* concurrently, *or in advance of* with the adoption of the Housing Element. This EIR is intended to provide the evaluation required by CEQA for all these actions necessary to facilitate the development of new housing.

3. SUMMARY OF ALTERNATIVES

Section 15126.6(a) of the CEQA Guidelines requires an EIR to "describe the range of reasonable alternatives to the project, or to the location of the project, which would feasibly attain most of the basic objectives of the project but will avoid or substantially lessen any of the significant effects of the Project and evaluate the comparative merits of the alternatives." The City considered a No Project Alternative, which would continue the housing sites under the existing regulatory framework; alternative housing site selection; and an alternative distribution of housing units between the selected housing sites. These alternatives would create variances in impact levels but would not avoid any of the significant effects of the Project and would not achieve the City's objectives as successfully as the Project.

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¹ SCAG, 6th Cycle Final Regional Housing Needs Assessment Plan. https://scag.ca.gov/sites/main/files/file-attachments/6th-cycle-rhna-final-allocation-plan.pdf?1616462966 accessed May 2021.

4. SUMMARY OF ENVIRONMENTAL IMPACTS AND MITIGATION MEASURES

Based on the Initial Study (see Appendix A), the City determined that preparation of an EIR was required to further evaluate potentially significant impacts related to: Air Quality, Cultural, Energy, Geology and Soils, Greenhouse Gas Emissions, Hazards and Hazardous Materials, Land Use, Noise, Population and Housing, Public Services, Transportation, and Tribal Cultural Resources. Impacts related to Aesthetics, Agricultural and Forestry Resources, Biology, Hydrology and Water Quality, Mineral Resources, Utilities and Service Systems, and Wildfire were determined to be less than significant and are not evaluated further in this Draft EIR. **Table 1-1: Summary of Findings** presents a summary of the findings of this EIR.

4. AREAS OF KNOWN CONTROVERSY

The State CEQA Guidelines² require that a EIR identify areas of controversy known to the Lead Agency, including issues raised by other agencies and the public. The level of development envisioned for the housing sites has been an area of controversy at public meetings.

5. ISSUES TO BE RESOLVED

The State CEQA Guidelines³ require that an EIR present issues to be resolved by the lead agency. These issues include the choice between alternatives and whether or how to mitigate potentially significant impacts. The major issue to be resolved by the City regarding the proposed Project is whether the City can achieve its RHNA goals through the Project.

ES-4

² California Public Resources Code, tit. 14, sec. 15123.

³ California Public Resources Code, tit. 14, sec. 15123(b)(3).

Table 1-1
Summary of Findings

| Innect | Nitingtian Manager | Significance after Mitigation |
|---|---|--------------------------------|
| Impact | Mitigation Measures | Significance after wintigation |
| Air Quality | | |
| Threshold AQ-1 : Conflict with or obstruct implementation of the applicable air quality plan? | No mitigation measures required. | Less than significant. |
| Threshold AQ-2 : Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is nonattainment under an applicable federal or State ambient air quality standard? | No mitigation measures required. | Less than significant. |
| Threshold AQ-3 : Expose sensitive receptors to substantial pollutant concentrations? | No mitigation measures required. | Less than significant. |
| Threshold AQ-4 : Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people? | No mitigation measures required. | Less than significant. |
| Cultural | | |
| Threshold CUL-1 : Cause a substantial adverse change in the significance of a historical resource pursuant to § 15064.5? | No mitigation measures required. | Less than significant. |
| Threshold CUL-2: Cause a substantial adverse change in the significance of an archaeological resource pursuant to § 15064.5? | See Section 4.12: Tribal Cultural Resources | Less than significant. |
| Energy | | |
| Threshold ENE-1 : Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation? | No mitigation measures required. | Less than significant. |
| Threshold ENE-2 : Conflict with or obstruct a State or local plan for renewable energy or energy efficiency? | No mitigation measures required. | Less than significant. |
| Geology and Soils | | |
| Threshold GEO-1 : Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving: | No mitigation measures required. | Less than significant. |
| i. Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known | No mitigation measures required. | Less than significant. |

| Impact | Mitigation Measures | Significance after Mitigation |
|---|---|-------------------------------|
| fault? Refer to Division of Mines and Geology Special Publication 42. | | |
| ii. Strong seismic ground shaking? | No mitigation measures required. | Less than significant. |
| Threshold GEO-3: Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse? | No mitigation measures required. | Less than significant. |
| Threshold GEO-6: Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature? | MM GEO-1: If paleontological resources are uncovered during construction activities, all ground-disturbing activities in the area of the find shall cease until a qualified paleontologist has evaluated the find, and identified the appropriate course of action in accordance with federal, state, and local The qualified paleontologist shall prepare a report according to current professional standards. The report shall be submitted to the City for review and approval. Project activities shall not proceed until the analysis and treatment of on-site paleontological resources has been approved by the City. | Less than significant. |
| Greenhouse Gas Emissions | | |
| Threshold GHG-1 : Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment? | No mitigation measures required. | Less than significant. |
| Threshold GHG-2 : Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases? | No mitigation measures required. | Less than significant. |
| Hazards and Hazardous Materials | | |
| the environment through the routine transport, use, or disposal of hazardous materials? Threshold HAZ-2: Create a significant hazard to the public or the environment through reasonably foreseeable upset and | A soil management plan should be prepared prior to any soil disturbance activities to be conducted onsite. This soil management plan should provide instructions for the contractor to implement in the event discolored or odiferous soils are discovered during any grading operations. A South Coast Air Quality Management District (SCAQMD) Rule 1166 Permit and Compliance Plan should be obtained from the SCAQMD due to | Less than significant. |
| list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment? | the presence of volatiles prior to the start of soil disturbance operations. | |

Previously abandoned oil wells should be located, daylighted and methane gas leak tested prior to the installation of vent cones and vent risers pursuant to the City of Signal Hill's Oil and Gas Code §16.24.030 and §16.24.040. As the act of daylighting oil wells involves soil disturbance, monitoring for volatile organic compounds will be required under the R1166 permit/compliance plan. The R1166 permit limits the release of volatiles in soils to 50 parts per million by volume (ppmv) or less, however some volatiles will be released into the ambient atmosphere during these activities, decreasing the residual concentrations previously detected in site soils and soil vapor.

MM HAZ-3 Daylight Idle Oil Wells

Idle wells should be located, daylighted and abandoned in accordance with the State of California Department of Conservation, Geologic Energy Management Division (CalGEM) requirements and in accordance with the City of Signal Hill's Oil and Gas Code §16.22 and §16.24, and under the R1166 permit/compliance plan requirements.

MM HAZ-4 Daylight Abandoned Pipelines

Abandoned pipelines should be located, daylighted and removed in accordance with the Soil Management Plan and R1166 permit/compliance plan.

MM HAZ-5 Install Methane Mitigation Systems Subslab of Proposed Buildings

Institutional controls, i.e., a methane mitigation system to be installed subslab of any proposed buildings, pursuant to the City of Signal Hill's Oil and Gas Code §16.24.080 will effectively mitigate risks and hazards due to vapor intrusion to negligible conditions ensuring the site is safe for any future intended use including as a residential property. A redeveloped property precludes exposure to site soils by future residential occupants.

Methane mitigation subslab of proposed buildings is recommended based on the Methane Assessments. The methane mitigation system should consist of a subslab impervious membrane placed inbetween geotextile or geocloth to protect it from sand above and the 4" thick gravel blanket below in conformance with the City of Signal Hill Oil and Gas Code

| Impact | Mitigation Measures | Significance after Mitigation |
|---|--|-------------------------------|
| | §16.24.080 and City of Signal Hill Project Development Guide (June 2020). Perforated horizontal vent pipes should be placed in the 4" thick gravel blanket and tied into vertical vent risers (typically cast iron) placed inbetween the interior and exterior walls, less than 100-feet apart, extending a minimum of 3-feet above the roof line and should not terminate less than 10100-feet from any opening (City of Signal Hill June 2020). | |
| | Although designed to capture and vent methane to the atmosphere, other volatile organic compounds in the subsurface (both in the soil matrix and soil vapor) also will be captured and vented by this system. | |
| | MM HAZ-6 Include Vents in Impervious Pavement if Area is 5,000 Square Feet or Greater and Contiguous to Buildings If an impervious surface paving area is 5,000 square feet or greater and contiguous to the proposed buildings, the paving should have vents spaced less than 100-ft apart consisting of four sided concrete boxes with traffic rated grates and 4" thick gravel blanket at the base. The vents should be designed to prevent surface water infiltration. | |
| Land Use and Planning | | |
| Threshold LU-2 : Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect? | No mitigation measures required. | Less than significant. |
| Noise | | |
| Threshold N-1 : Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies? | MM N-1 Construction Noise In the event construction noise levels increase to or within the "generally unacceptable" or "land use discouraged" land use compatibility for residential uses, the Applicant must utilize, without limitation, the following construction best management practices: • Shroud or shield all impact tools, and muffle or shield all intake and exhaust port on power equipment to reduce | Less than significant. |
| Threshold N-2 : Generation of excessive groundborne vibration or groundborne noise levels? | construction noise by 10 dB or more. If feasible, schedule grading activities so as to avoid operating numerous pieces of heavy-duty off-road construction equipment (e.g., backhoes, dozers, excavators, loaders, or rollers) simultaneously in close | |

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| Impact | | Mitigation Measures | Significance after Mitigation |
|--|--|--|---|
| | | proximity to the boundary of properties of off-site noise sensitive receptors surrounding a Housing Site to reduce construction noise levels by approximately 5 to 10 dBA. Where feasible, temporary barriers including, without limitation, sound blankets on existing fences and walls, or freestanding portable sound walls, must be placed as close to the noise source or as close to the receptor as possible and break the line of sight between the source and receptor where modeled levels exceed applicable standards. | |
| • | and Housing | | |
| growth in a new home | POP-1 : Induce substantial unplanned population in area, either directly (for example, by proposing and businesses) or indirectly (for example, tension of roads or other infrastructure)? | No mitigation measures required. | Less than significant. |
| Public Servi | ices | | |
| adverse phy or physicall physically a which could to maintain | PUB-1 : Would the project result in substantial viscal impacts associated with the provision of new y altered governmental facilities, need for new or ltered governmental facilities, the construction of d cause significant environmental impacts, in order acceptable service ratios, response times or other te objectives for any of the public services: | | |
| (i) | Fire Protection? | No mitigation measures required. | Less than significant. |
| (ii) | Schools? | No mitigation measures required. | Less than significant. |
| (iii) | Parks? | No mitigation measures required. | Less than significant. |
| (iv) | Other Public Facilities? | No mitigation measures required. | Less than significant. |
| Transporta | tion | | |
| Threshold TRA-1: Conflict with a program, plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities? Threshold TRA-2: Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)? | | No mitigation measures required. No mitigation measures required. | Less than significant. Less than significant. |
| Threshold 1 | FRA-4 : Result in inadequate emergency access? | No mitigation measures required. | Less than significant. |

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| Impact | | Mitigation Measures | Significance after Mitigation |
|--|--|--|-------------------------------|
| Tribal Cultu | ral | | |
| adverse cha defined in l site, feature defined in to place, or o | TRI-1 : Would the project cause a substantial inge in the significance of a tribal cultural resource, Public Resources Code section 21074 as either a e, place, cultural landscape that is geographically erms of the size and scope of the landscape, sacred bject with cultural value to a California Native ribe, and that is: | | |
| (i) | Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or | No mitigation measures required. | Less than significant. |
| (ii) | A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe. | MM TCR-1. The project applicant/lead agency shall retain a Native American monitor from (or approved by) the Gabrieleño Band of Mission Indians – Kizh Nation (the "Kizh" or the "Tribe") - the direct lineal descendants of the project location. The monitor shall be retained prior to the commencement of any "ground-disturbing activity" for the subject project, at all project locations (i.e., both on-site and any off-site locations that are included in the project description/definition and/or required in connection with the project, such as public improvement work). "Ground-disturbing activity" includes, but is not limited to, pavement removal, potholing, auguring, grubbing, tree removal, boring, grading, excavation, drilling, and trenching. | Less than significant. |
| | | A copy of the executed monitoring agreement shall be provided to the lead agency prior to the earlier of the commencement of any ground-disturbing activity for the project, or the issuance of any permit necessary to commence a ground-disturbing activity. | |
| | | The project applicant/developer shall provide the Tribe with a minimum of 30 days advance written notice of the commencement of any project ground-disturbing activity so that the Tribe has sufficient time to secure and schedule a monitor for the project. | |
| | | The project applicant/developer shall hold at least one (1) preconstruction sensitivity/educational meeting prior to the commencement of any ground-disturbing activities, where at a senior member of the Tribe will inform and educate the project's construction and managerial crew and staff members (including | |

any project subcontractors and consultants) about the TCR mitigation measures and compliance obligations, as well as places of significance located on the project site (if any), the appearance of potential TCRs, and other informational and operational guidance to aid in the project's compliance with the TCR mitigation measures.

The monitor will complete daily monitoring logs that will provide descriptions of the relevant ground disturbing activities, the type of construction activities performed, locations of ground-disturbing activities, soil types, cultural-related materials, and any other facts, conditions, materials, or discoveries of significance to the Tribe.

Monitor logs will identify and describe any discovered TCRs, including but not limited to, Native American cultural and historical artifacts, remains, places of significance, etc., (collectively, tribal cultural resources, or "TCR"), as well as any discovered Native American (ancestral) human remains and burial goods. Copies of monitor logs will be provided to the project applicant/lead agency upon written request.

Native American monitoring for the project shall conclude upon the latter of the following: (1) written confirmation from a designated project point of contact to the Tribe that all ground-disturbing activities and all phases that may involve ground-disturbing activities on the project site and at any off-site project location are complete; or (2) written notice by the Tribe to the project applicant/lead agency that no future, planned construction activity and/or development/construction phase (known by the Tribe at that time) at the project site and at any off-site project location possesses the potential to impact TCRs.

MM TCR-2. Upon the discovery of a TCR, all construction activities in the immediate vicinity of the discovery (i.e., not less than the surrounding 50 feet) shall cease. The Tribe shall be immediately informed of the discovery, and a Kizh monitor and/or Kizh archaeologist will promptly report to the location of the discovery to evaluate the TCR and advise the project manager regarding the matter, protocol, and any mitigating requirements. No project construction activities shall resume in the surrounding 50 feet of the discovered TCR unless and until the Tribe has

completed its assessment/evaluation/recovery of the discovered TCR and surveyed the surrounding area.

The Tribe will recover and retain all discovered TCRs in the form and/or manner the Tribe deems appropriate in its sole discretion, and for any purpose the Tribe deems appropriate, including but not limited to, educational, cultural and/or historic purposes.

If Native American human remains and/or grave goods are discovered or recognized on the project site or at any off-site project location, then all construction activities shall immediately cease. Native American "human remains" are defined to include "an inhumation or cremation, and in any state of decomposition or skeletal completeness." (Pub. Res. Code § 5097.98 (d)(1).) Funerary objects, referred to as "associated grave goods," shall be treated in the same manner and with the same dignity and respect as human remains. (Pub. Res. Code § 5097.98 (a), d)(1) and (2).)

Any discoveries of human skeletal material or human remains shall be immediately reported to the County Coroner (Health & Safety Code § 7050.5(c); 14 Cal. Code Regs. § 15064.5(e)(1)(B)), and all ground-disturbing project ground-disturbing activities on site and in any other area where the presence of human remains and/or grave goods are suspected to be present, shall immediately halt and remain halted until the coroner has determined the nature of the remains. (14 Cal. Code Regs. § 15064.5(e).) If the coroner recognizes the human remains to be those of a Native American or has reason to believe they are Native American, he or she shall contact, within 24 hours, the Native American Heritage Commission, and Public Resources Code Section 5097.98 shall be followed.

Thereafter, construction activities may resume in other parts of the project site at a minimum of 200 feet away from discovered human remains and/or grave goods, if the Tribe determines in its sole discretion that resuming construction activities at that distance is acceptable and provides the project manager express consent of that determination (along with any other mitigation measures the Tribal monitor and/or archaeologist deems necessary). (14 Cal. Code Regs. § 15064.5(f).)

Preservation in place (i.e., avoidance) is the preferred manner of treatment for discovered human remains and/or grave goods. Any historic archaeological material that is not Native American in origin (non-TCRs) shall be curated at a public, non-profit institution with a research interest in the materials, such as the Natural History Museum of Los Angeles County or the Fowler Museum, if such an institution agrees to accept the material. If no institution accepts the archaeological material, it shall be offered to a local school or historical society in the area for educational purposes.

MM TCR-3. Any discovery of human remains and/or grave goods discovered and/or recovered shall be kept confidential to prevent further disturbance.

As the Most Likely Descendant ("MLD"), the Koo-nas-gna Burial Policy shall be implemented for all discovered Native American human remains and/or grave goods. Tribal Traditions include, but are not limited to, the preparation of the soil for burial, the burial of funerary objects and/or the deceased, and the ceremonial burning of human remains.

If the discovery of human remains includes four (4) or more burials, the discovery location shall be treated as a cemetery and a separate treatment plan shall be created.

The prepared soil and cremation soils are to be treated in the same manner as bone fragments that remain intact. Associated "grave goods" (aka, burial goods or funerary objects) are objects that, as part of the death rite or ceremony of a culture, are reasonably believed to have been placed with individual human remains either at the time of death or later, as well as other items made exclusively for burial purposes or to contain human remains. Cremations will either be removed in bulk or by means necessary to ensure complete recovery of all sacred materials.

In the case where discovered human remains cannot be fully recovered (and documented) on the same day, the remains will be covered with muslin cloth and a steel plate that can be moved by heavy equipment placed over the excavation opening to protect the remains. If this type of steel plate is not available, a 24-hour guard should be posted outside of working hours. The

Tribe will make every effort to divert the project while keeping the remains in situ and protected. If the project cannot be diverted, it may be determined that burials will be removed.

In the event preservation in place is not possible despite good faith efforts by the project applicant/developer and/or landowner, before ground-disturbing activities may resume on the project site, the landowner shall arrange a designated site location within the footprint of the project for the respectful reburial of the human remains and/or ceremonial objects. The site of reburial/repatriation shall be agreed upon by the Tribe and the landowner, and shall be protected in perpetuity.

Each occurrence of human remains and associated grave goods will be stored using opaque cloth bags. All human remains, grave goods, funerary objects, sacred objects and objects of cultural patrimony will be removed to a secure container on site if possible. These items will be retained and shall be reburied within six months of recovery.

The Tribe will work closely with the project's qualified archaeologist to ensure that the excavation is treated carefully, ethically and respectfully. If data recovery is approved by the Tribe, documentation shall be prepared and shall include (at a minimum) detailed descriptive notes and sketches. All data recovery data recovery-related forms of documentation shall be approved in advance by the Tribe. If any data recovery is performed, once complete, a final report shall be submitted to the Tribe and the NAHC. The Tribe does NOT authorize any scientific study or the utilization of any invasive and/or destructive diagnostics on human remain

1. PURPOSE OF THIS ENVIRONMENTAL IMPACT REPORT

The California Environmental Quality Act (CEQA) (California Public Resources Code [PRC] Sections 21000, et seq.), and its implementing guidelines (14 CCR 15000 et seq., hereinafter "CEQA Guidelines"), requires that lead agencies consider the potential environmental consequences of projects over which they have discretionary approval authority prior to taking approval action on such projects.

The subject of this Draft EIR is the proposed update to the Housing Element of the General Plan of the City of Signal Hill. The update to the Housing Element constitutes a "Project" as defined in CEQA Guidelines Section 15378.

CEQA defines "Lead Agency" as the public agency with primary responsibility for approving a project and thus has primary responsibility for ensuring compliance with the CEQA process. The City of Signal Hill (City) is the "Lead Agency" for this document.

A lead agency may prepare an Environmental Impact Report (EIR) for any project that is considered to may have a significant impact on the environment. As described in CEQA Guidelines Sections 15168(a)(b), an EIR is an informational document that will inform public agency decision-makers and the public of the significant environmental effects of a project, identify possible ways to minimize any significant effects, and describe reasonable project alternatives. Public agencies shall consider the information in the EIR, along with other information that may be presented to the agency, prior to approving the Project.

Under CEQA and the CEQA Guidelines, a lead agency must recirculate an EIR (or portions thereof) for additional public review and comment when "significant new information is added to the EIR after public notice is given of the availability of the Draft EIR for public review under [CEQA Guidelines] Section 15087 but before certification" of the EIR. "Significant new information" added to an EIR requires recirculation when that information discloses any of the following:

- (1) A new significant environmental impact would result from the project or from new mitigation measure proposed to be implemented.
- (2) A substantial increase in the severity of an environmental impact would result unless mitigation measures are adopted that reduce the impact to a level of insignificance.
- (3) A feasible project alternative or mitigation measure considerably different from others previously analyzed would clearly lessen the environmental impacts of the project, but the project's proponents decline to adopt it.

(4) The draft EIR was so fundamentally and basically inadequate and conclusory in nature that meaningful public review and comment were precluded. CEQA Guidelines Section 15088.5(a) also indicates the term "information," as used therein, may include

CEQA Guidelines Section15088.5 (c) states that if revisions are limited to a few chapters or portions of an EIR, then the lead agency need only recirculate the chapters or portions that have been modified. Accordingly, this Recirculated Draft EIR includes the Introduction, Project Description, Hazards, Land Use, and Effects Found Not Significant. The remainder of the Draft EIR remains valid.

In accordance with state mandates, the City has prepared and re-circulated this RDEIR pursuant to CEQA Guidelines Section 15088.5, Subdivision (g).

2. ENVIRONMENTAL REVIEW PROCESS

The CEQA Guidelines define a process for environmental review that includes a series of steps that must be completed prior to any action taken by the Lead Agency on a project.

Scoping Process

An Initial Study was prepared for the proposed Project and released with a Notice of Preparation (NOP) for a 30-day public review period during May and June, 2021. A virtual scoping meeting was held in May to receive public comment. The Initial Study, NOP, and comment letters are included in **Appendix A** of this Draft EIR.

The City determined through the Initial Study that the proposed Project would result in less than significant impacts with respect to aesthetics; agricultural and forestry resources; biological resources; hydrology/water quality; mineral resources; recreation; utilities/service systems; and wildfire. Therefore, these areas are not analyzed further in this Draft EIR. For a complete discussion of the environmental issues that were scoped out from this Draft EIR, refer to **Section 6.0: Effects Found Not to be Significant.**

Review and Comment on the Recirculated Draft Environmental Impact Report

CEQA requires that the Lead Agency provide the public and agencies the opportunity to review and comment on the Draft EIR. This Draft EIR was will be published and distributed for a 45-day review period starting September 30, 2021 and ending November 15, 2021. The Recirculated Draft EIR was published and distributed for a 45-day review period starting January 28, 2022 and ending March 14, 2022.

Copies of this *Recirculated* Draft EIR have been sent to the State Clearinghouse, responsible agencies, other agencies that have commented on the NOP, and to all interested parties that have requested notice and copies of the Draft EIR.

The Draft EIR and the Recirculated Draft EIR is also available for review at the following locations:

- In person at Signal Hill City Hall Community Development Department located at 2175 Cherry Avenue, Signal Hill, CA 90755; and
- Online at the City's "Public Notices & Press Releases" webpage at https://www.cityofsignalhill.org/306/Public-Notices-Press-Releases and on the "General Plan" Planning webpage at https://www.cityofsignalhill.org/85/General-Plan.

Interested individuals, organizations, responsible agencies, and other agencies can provide written comments about the *Recirculated* Draft EIR addressed to:

• Erika Ramirez, Planning Manager, City of Signal Hill Community Development Department 2175 Cherry Avenue, Signal Hill, CA 90755 or eramirez@cityofsignalhill.org.

When submitting comments, please note "Housing Element Update EIR" in the subject line and include the name of the contact person within the commenting agency (if applicable).

After completion of the review period, a Final EIR will be prepared that includes responses to comments submitted on the Draft EIR and any necessary corrections or additions to the Draft EIR. The Final EIR will be made available to agencies and the public prior to the City's determination on the Project. Once the Final EIR is complete, the City may certify the Final EIR, prepare Findings, adopt a mitigation monitoring and reporting program, and issue a Notice of Determination, which is the final step in the CEQA process.

Following the 45-day public review period, the City will prepare responses to the written comments received during the recirculation period that relate to the revised and recirculated portions of the current RDEIR, as well as written comments received during the initial circulation period that relate to the portions of the DEIR that have not been recirculated and will compile the comments and responses into a Final EIR.

3. ORGANIZATION OF THE <u>RECIRCULATED</u> DRAFT-EIR

As stated, a principal objective of CEQA is to ensure that the environmental review process be a public one. In meeting this objective, a EIR informs members of the public, reviewing agencies, and decision-makers of the physical impacts associated with a project. Sections of the *Recirculated* Draft EIR are organized as follows:

Executive Summary provides a summary of the Project, impacts, mitigation measures and alternatives.

Section 1: Introduction reviews the purpose, scope and organization of the document.

Section 2: Project Description presents a description of the proposed Project including the objectives, locations, components and characteristics.

Section 3: Environmental Setting provides a summary of the context within which the Project would occur.

Section 4: Environmental Impact Analysis presents the existing conditions, Project impact analysis, mitigation measures, and conclusions regarding the level of significance after mitigation. *The Recirculated Draft EIR contains just the Land Use and Hazards sections from the original Draft EIR*.

Section 5: Alternatives discusses alternatives to the proposed Project that have been developed and analyzed to provide additional information on ways to avoid or lessen the impacts of the Project.

Section 6: Effects Found Not to be Significant provides a summary of those topics that were determined not to be significant during the scoping process.

Section 7: Other Environmental Considerations provides a discussion of significant unavoidable impacts that would result from the Project and the reasons why the Project is being proposed notwithstanding the significant unavoidable impacts. An analysis of the significant irreversible changes in the environment and potential secondary effects that would result from the Project is also presented here. This section also analyzes potential growth—inducing impacts of the Project and potential secondary effects caused by the implementation of the mitigation measures for the Project.

Section 8: References lists the principal documents, reports, maps, and other information sources referenced in this Draft EIR.

Section 9: Preparers of the EIR and Persons Consulted lists persons involved in the preparation of this Draft EIR or who contributed information incorporated into this Draft EIR.

Appendices to this Draft EIR include the Initial Study, NOP, and written comments, as well as technical reports and data used and referenced in the Draft EIR.

1. INTRODUCTION

As stated in Section 15124 of the CEQA Guidelines, the Project Description of a EIR must contain the location and boundaries of the project; a statement of the project objectives sought; a general description of the project's characteristics; and a brief description of the intended uses of the EIR. This Section identifies such required information.

2. LOCATION

The Project applies to the entire City. The City of Signal Hill is located in Los Angeles County, generally in the southern area of the greater Los Angeles Metropolitan Area. The City is surrounded by the City of Long Beach and is just over two square miles in area.

The City is regionally accessible from Interstate 405 (San Diego Freeway) which is located to the immediate North. Also, Cherry Avenue and Pacific Coast Highway provide access to the City. The City is approximately three miles north of the large Port of Long Beach and 22 miles south of Downtown Los Angeles.

The Project also identifies specific housing availability sites within the City:

- Orange Bluff: located between Orange Avenue on the west and Gundry Avenue on the east, between
 East 28th Street on the north and East 27th Street where it terminates at Gundry Avenue on the
 south in the Central neighborhood adjacent to the City boundary to the south of East 28th Street
 between Orange Avenue and south of where East 27th Street terminates.
- Walnut Bluff: located north of E. Willow Street at 2653 Walnut Avenue in the Central neighborhood.
- Town Center Northwest: located northeast of the intersection of East Willow Street and Walnut
 Avenue in the Central neighborhood. South and east of the site are developed commercial retail
 centers named Town Center West and Town Center North.
- Heritage Square: located northwest of the intersection of Cherry Avenue and East Burnett Street near
 the City center in the Civic Center neighborhood. North of the site is E. Crescent Heights Street and
 west of the site is Rose Avenue. The Crescent Heights Historic District Residential Specific Plan
 neighborhood is directly adjacent to the west.

3. PROJECT OBJECTIVES

California State law requires each county and city to adopt a General Plan for the physical development of the county or city, and any land outside its boundaries which in the planning agency's judgement bears relation to its planning. According to the 2017 General Plan Guidelines, all counties and cities are required to adopt seven mandatory elements, including land use, circulation, housing, conservation, open space, noise, and safety. Two additional elements, air quality and environmental justice, are also required for certain local jurisdictions. ²

The Housing Element establishes the goals, objectives, policies and programs that serves as the foundation for the city's housing strategy to achieve specific housing goals and improve local housing conditions. The Housing Element also identifies a city's housing conditions and needs using the Regional Housing Needs Assessment (RHNA) allocation provided by the regional Metropolitan Planning Organizations (MPOs).

The City has identified the following Project objectives:

- 1. Inspire a more diverse, sustainable, and balanced community through implementation of strategies and programs that will result in economically and socially diversified housing choices that preserve and enhance the special character of Signal Hill.
- 2. Facilitate a Variety of Housing Strategies to meet Housing Element Production Targets in a way that Complements the Existing Character of the Community.
- 3. Identify adequate sites to accommodate the 6th Cycle RHNA allocation and the City's housing needs.
- 4. Provide adequate housing stock to meet the needs of extremely low-, very low-, low-, and moderate-income households and special-needs groups.
- 5. Development regulations that remove constraints to the maintenance, improvement, and development of housing.
- 6. Maintenance and improvement of affordable housing conditions.
- 7. Housing opportunities for all persons, regardless of race, religion, sex, marital status, ancestry, national origin, color, familial status, or disability.

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8. Improve and preserve assisted housing developments for lower-income households.

¹ Government Code Section 65300.

² Government Code Section 65302.

4. PROJECT CHARACTERISTICS

Housing Strategy

The Project includes the following programs to address the State requirements for a Housing Element:

- 1. Identify Sites to Accommodate the City's Share of the Regional Housing Need
- 2. Assist the Development of Lower Income and Moderate-Income Housing
- 3. Remove Governmental and Nongovernmental Constraints to Housing
- 4. Conserve and Improve the Existing Stock of Affordable Housing
- 5. Promote Housing Opportunities for All/Affirmatively Furthering Fair Housing

Of these programs, the identification of housing sites is likely to cause a reasonably foreseeable physical change in the environment and therefore is the subject of the analysis in this DEIR. The policies identified to implement this program, include designating the sites that would provide a variety of housing, specifically housing to meet the Regional Housing Needs, and implement policy actions such as specific plans, zone changes and general plan amendments that would enable the development of those sites.

For the 2021-2029 Planning Period, the Southern California Association of Governments (SCAG) Regional Housing Needs Allocation (RHNA) for the City identified a housing need of 517 housing units to include 161 very low-income units, 78 low-income units, 90 moderate-income units, and 188 above moderate-income units.³ To ensure sufficient capacity is available to meet the RHNA allocation for the Housing Element planning period, the HCD recommends the cities allocate at least 15 to 30 percent additional units in capacity than the required inventory stipulated by the RHNA allocation. Consistent with this recommendation, four potential candidate housing inventory sites (Housing Site) have been identified in the 2021-2029 Housing Element with a residential development capacity to accommodate up 724 units.

Housing Sites

The Housing Element is required to identify housing sites that are adequate in size, zoned appropriately and could feasibly be developed with the allocated housing. The City lacks adequately sized sites that are already zoned residential and could be further developed. As such, the City has conducted an extensive assessment of sites within the City and collaborated with Signal Hill Petroleum, the largest land owner within the City, to identify sites that could accommodate the RHNA allocation. The sites that have been identified are considered non-vacant due to the presence of existing oils wells are not for residential uses. As such, the Project includes planned rezoning of the sites and the abandonment of the existing wells.

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³ SCAG, 6th Cycle Final Regional Housing Needs Assessment Plan. https://scag.ca.gov/sites/main/files/file-attachments/6th-cycle-rhna-final-allocation-plan.pdf?1616462966. Accessed May 2021.

The four sites that have been identified as described below. A potential housing capacity for each site was determined based on a likely development scenario. Implementation actions that the City would undertake as part of the Project were then identified for each site.

1. Walnut Bluff

Housing Site Condition

Walnut Bluff is located *in the Central neighborhood of the City,* north of *East* Willow Street at 2653 Walnut Avenue, Signal Hill, CA 90755 (APN# 7212-010-038). The *rectangular* site is located in the Central neighborhood of the City and has approximately 2 acres identified for potential residential development. The rectangular site *and* borders other commercial development to the east and north, with Walnut Avenue to the east of the site and *East* Willow Street to the south of the site. The existing site is vacant aside from four active oil and gas wells (two of which have idle status), four abandoned wells, and limited vegetation.

Surrounding Environment

The Walnut Bluff Housing Site is located on mostly vacant land occupied by a few buildings and active drilling rigs and associated equipment. Adjacent to the north North of the Housing Site there is a light industrial building and north of that is a newer two-story office building., located on 27th Street, is the The Signal Hill Police Department is located farther north on 27th Street, which is approximately 450 feet away. Directly south South of the Housing Site, across adjacent to East Willow Street, there are several multi-family residential structures and southeast across Willow Street is the Town Center West commercial center. Directly to the east across Walnut Avenue there is an oil well drilling site surrounded by a large oil facilities storage yard which is undeveloped but is the proposed future location of the Town Center Northwest mixed-use housing and commercial development site (discussed below). is more vacant land that has been disturbed by oil and drilling activities. The area is mostly vacant with the exception of the drilling rigs present. East of the Housing Site, which runs parallel to Walnut Avenue, is vacant, open space that is also occupied by more drilling rigs. West of the Housing Site are light industrial business is a woodworking shop, Interior Workshop, and the LA County Office of the Assessor, which is approximately 0.2 miles away and is located parallel to Gundry Avenue. Cherry Avenue, one block to the east, is classified as a High-Quality Transit Corridor, with stops for multiple bus lines at the intersection of Willow Steet and Cherry Avenue.4

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⁴ Southern California Association of Governments, <u>Connect SoCal</u>: <u>The 2020-2045 Regional Transportation Plan/ Sustainable Communities Strategy, Data/Map Book, City of Signal Hill, Draft November 2019.</u>

Housing Potential

The Walnut Bluff Housing Site is anticipated to accommodate 90 dwelling units within a multifamily development. The Walnut Bluff Housing Site is zoned CI and the General Plan designation is Commercial Industrial. As part of the Project, the City intends to adopt a zone change to Special Purpose Housing (SP-7) Specific Plan, and a General Plan amendment to Very High Density Residential (35-45 dwelling units per acre). Building heights after rezoning would be limited to 2 stories or heights comparable to existing surrounding development. Building height after rezoning could be up to 4-stories.

2. Orange Bluff

Housing Site Condition

Orange Bluff is located between Orange Avenue on the west and Gundry Avenue on the east, between East 28th Street on the north and East 27th Street where it terminates at Gundry Avenue on the south in the Central neighborhood adjacent to the City boundary south of East 28th Street between Orange Avenue and extending just south of where East 27th Street dead ends into the property from the east (APN #s: 7212-008-049, -051, and 7212-010-010, -014, -015, -018, -019, -029). Development north and east of the site are mostly Commercial Office and Light Industrial sites, with a few intermittent vacant sites. The area set aside for residential development is approximately 7.1 acres. The existing site and is mostly vacant; however, the center of the site is developed with a Light Industrial building. Scattered about the site are remnants of previous developments including foundations and paved areas, with limited vegetation.

Surrounding Environment

The Orange Bluff Housing Site is near both the Walnut Bluff and the Town Center Northwest Housing Sites. The site is-extends across several areas of existing Commercial Office and Light Industrial zoned properties space along the western edge of the City. North of the Housing Site, along 28th Street, is a glass and mirror shop and I-Light I-Industrial facility. South of the Housing Site, along Willow Street, is an industrial center that includes the Everson Spice facility. PGA William Synnegh, Golf Academy, a recreational facility. Gundry Avenue runs along the eastern side of the Housing Site. The northeastern side of the Housing Site has several commercial properties such as an autobody shop, auto parts store, and painters, while the southeastern side has a woodworking shop called Interior Workshop and the LA County Office of the Assessor, a tax assessor. West of the Housing Site, near the intersection of Orange Avenue and Willow Street is the Long Beach Municipal Cemetery. On the northwestern portion, towards 28th Street, is the

Willow Springs Park. Cherry Avenue, three blocks to the east, is classified as a High-Quality Transit Corridor, with stops for multiple bus lines at the intersection of Willow Steet and Cherry Avenue.⁵

Housing Potential

The Orange Bluff site is expected to accommodate 290 dwelling units and would include resident amenities and open space typical of a multi-family complex. The Orange Bluff existing zoning is CI. The General Plan designation is Commercial Industrial. As part of the Project, the City intends to rezone the site to Special Purpose Housing (SP-7). Building heights after rezoning would be limited to 2 stories or heights comparable to existing surrounding development. Building height after rezoning could be up to five stories.

3. Town Center Northwest

Housing Site Condition

Town Center Northwest is located northeast of the intersection of Willow Street and Walnut Avenue (APN #: 7212-011-034). South and east of the site are developed commercial retail centers named Town Center West and Town Center North. To the north there are Light Industrial sites. The area set aside for residential development is approximately 7.4 acres. The existing site contains one of seven drill sites in the City housing eleven injection wells (three of which have idle status). There are also approximately fourteen active oil and gas wells (9 of which have idle status) outside of the drill site area, approximately ten abandoned wells, and limited vegetation. The area outside of the fenced drill site is currently used for storage of oil field related equipment.

Surrounding Environment

The Town Center Northwest Housing Site is adjacent parallel to the Walnut Bluff Housing Site across Walnut Avenue to the east. As mentioned, the site contains one drill site. Gaviota Avenue runs north of the Housing Site. Also north of the Housing Site is Gregg Drilling LLC, a drilling contractor, is adjacent to the north of the Housing Site on Walnut Avenue. and Ancon Services, an oil and natural gas company is also adjacent to the north along Gundry Avenue. South of the Housing Site, along Willow Street, is a shopping center with several amenities: grocery store, chain coffee shops, and restaurants. Immediately east of the Housing Site is another shopping center with a dollar store, takeout restaurant, and a cellphone store and a trucking yard. West of the housing site across Along Walnut Avenue, west of the Housing Site, there are two office buildings and as mentioned on the northwest corner of Walnut Avenue and East Willow Street is the Walnut Bluff Housing Site that is mostly vacant. space and a construction company.

2-6 Recirculated Draft EIR 2021-2029 Housing Element January 2022

Southern California Association of Governments, Connect SoCal: The 2020-2045 Regional Transportation Plan/ Sustainable Communities Strategy, Data/Map Book, City of Signal Hill, Draft November 2019.

Cherry Avenue, to the east, is classified as a High-Quality Transit Corridor, with stops for multiple bus lines at the intersection of Willow Steet and Cherry Avenue.⁶

Housing Potential

The Town Center Northwest House Site is anticipated to be developed as mixed-use, with approximately 22,000 square feet of retail and restaurant uses along Willow Street and *up to* 297 dwelling units *in a wrap structure on* within-the northern portion of the site *along* fronting on Walnut Avenue. The Town Center Northwest Housing Site existing zoning is *zoned* Commercial Corridor Specific Plan (SP-6). The General Plan designation is Town Center. As part of the Project, the site would be rezoned to a Town Center Northwest (*SP-24*SP-21) Specific Plan. Building heights after rezoning would be limited to a *maximum of five stories*. 2 stories or heights comparable to existing surrounding development.

4. Heritage Square

Housing Site Condition

Heritage Square is located near the City center in the Civic Center neighborhood, northwest of the intersection of Cherry Avenue and Burnett Street. North of the site is Crescent Heights Street and west of the site is Rose Avenue (APN #s: 7213-006-014, -015, -019, -020). The Crescent Heights Historic District residential Specific Plan is directly2 adjacent to the west. ∓

This site is approximately 8.8 acres in size and is bisected by Gardena Avenue. The site contains an existing commercial retail use ("Mother's Market & Kitchen"). There are also four active oil and gas wells, six abandoned wells, and limited vegetation.

Surrounding Environment

The Heritage Square Housing Site is located in an area that has been mostly disturbed by drilling activities. To the north North of the Housing Site is a shopping center, which is approximately 0.1 miles away. It has a health food store, Mother's Market and Kitchen, and an EVgo Charging Station. South of the Housing Site on East Burnett Street is vacant a lot of land that is has been mostly vacant and utilized for drilling activities. The City's Heritage Point view park in under construction directly south of East Burnett Street. To the east is across Cherry Avenue, which runs parallel to the Housing Site is the Town Center East Shopping Center which contains a Home Depot and Garden Center, which is approximately 0.2 miles away. Southeast of the site is the Hilltop Specific Plan residential neighborhood. West of the Housing Site, parallel to Rose Avenue, is a another lot of mostly vacant site land occupied by a drilling rig and the Crescent Heights Historic District Specific Plan residential neighborhoodsome residential homes. Cherry

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⁶ Southern California Association of Governments, <u>Connect SoCal: The 2020-2045 Regional Transportation Plan/ Sustainable Communities Strategy, Data/Map Book, City of Signal Hill, Draft November 2019.</u>

Avenue is classified as a High-Quality Transit Corridor, with stops for multiple bus lines at the intersection of Willow Steet and Cherry Avenue.⁷

Housing Potential

The Heritage Square Housing Site existing zoning is CTC, and Crescent Heights Historic District (SP 11) Specific Plan. The General Plan designation is Town Center. The Land Use Element of the General Plan calls for the area to be re-designated and established as a Central Business District (CBD). Heritage Square will be rezoned under Crescent Heights Historic District, which will continue to maintain the historic nature of the neighborhood and its surroundings. The existing zoning of the Heritage Square site is split between Commercial Town Center (CTC) and the Crescent Heights Historic District (SP-11) Specific Plan. The General Plan designation is Town Center. The Land Use Element of the General Plan calls for the area to be re-designated and established as a Central Business District (CBD). The entire Heritage Square site will be rezoned as Heritage Square (SP-23) Specific Plan, which will be a mixed-use commercial and residential development with single-family homes facing Rose Avenue to maintain the character of the adjacent neighborhood.

The Heritage Square *development conceptual plan* site could be developed as a mixed-use development, retaining retains the existing 14,000-square-foot market and adding adds 18,650 square feet of retail and restaurant space along Cherry Avenue and *up to* 72 dwelling units on the western portion of the site. Gardena Avenue would be retained for access. *Building heights after rezoning would include two- and three-stories*.

Uses Of This EIR

To implement the **6**th **Cycle** new Housing Element **Update**, the City intends to enact zoning and planning changes concurrently with the adoption of the Housing Element. This EIR is intended to provide the evaluation required by CEQA for all these actions necessary to facilitate the development of new housing.

To accommodate the RHNA housing units, the City intends to rezone non-vacant land to residential uses. As described above, the sites would be rezoned as Special Purpose Housing. In addition, new Specific Plans would be implemented for Orange Bluff and Walnut Bluff and a General Plan Amendment to the Central Business District would be adopted to enable housing at the Town Center Northwest site.

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Southern California Association of Governments, <u>Connect SoCal</u>: <u>The 2020-2045 Regional Transportation Plan/ Sustainable Communities Strategy</u>, <u>Data/Map Book</u>, <u>City of Signal Hill</u>, <u>Draft November 2019</u>.



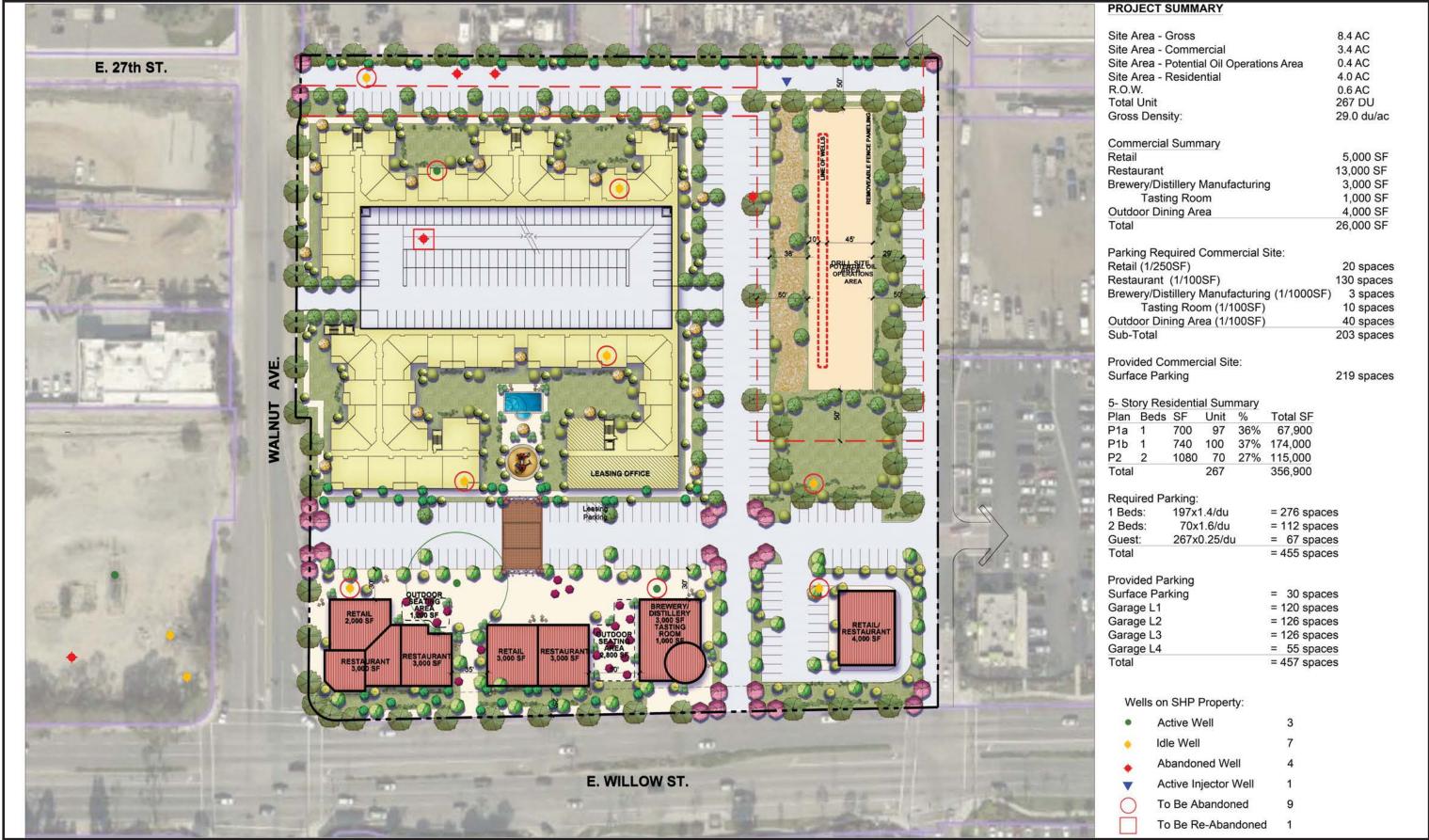


FIGURE **2.0-1**

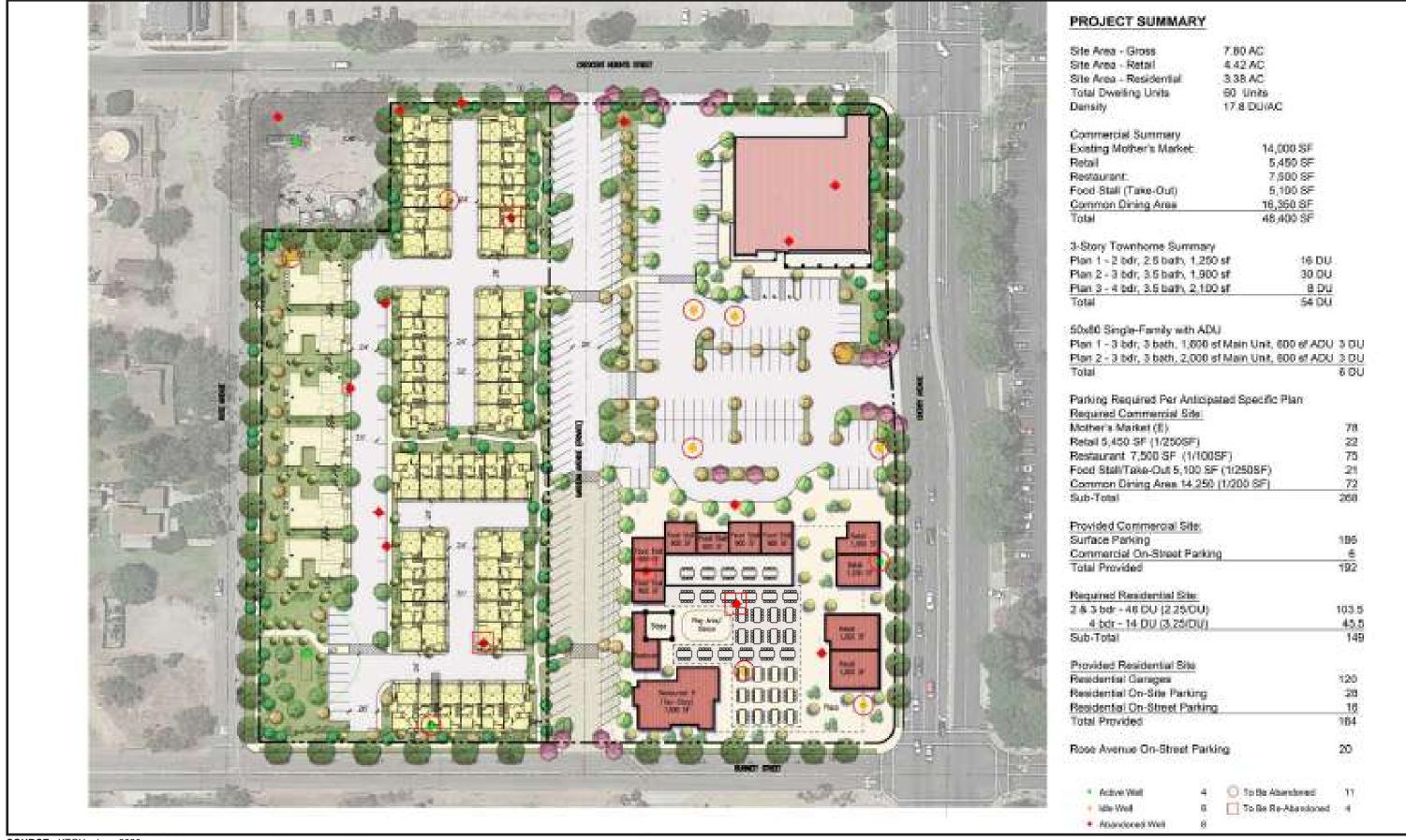




FIGURE **2.0-2**









1. INTRODUCTION

This section addresses the potential presence of hazardous materials and conditions within the 2021-2029 Housing Element Update (Housing Element Update) (Project) and analyzes the potential risk of such materials in proximity to proposed development on candidate housing sites (Housing Sites) that could occur under implementation of the Project. This section discusses the existing conditions in the Project area, existing policies and regulations regarding hazards and hazardous materials, and analyzes the potential impacts. The primary source of information for this section comes from

- Phase I Environmental Site Assessment, 2771 Gundry Avenue, Orange Bluff, by Mearns Consulting LLC,
 February 5, 2021 (Appendix F.1: Orange Bluff Phase I ESA);
- Summary Report for Methane Soil Gas Investigation Services at Proposed New Orange Bluff Site, by DL Science Inc., April 6, 2021 (Appendix F.2: Orange Bluff Methane Investigation Report);
- Human Health Risk Assessment, 2771 Gundry Avenue, Orange Bluff, by Mearns Consulting LLC, June 30, 2021 (Appendix F.3: Orange Bluff HHRA);
- Review of Human Health Risk Assessment 2771 Gundy Avenue, Signal Hill, California 90755, by CAL
 EPA Office of Environmental Health Hazard Assessment, July 16, 2021 (Appendix F.4: Orange Bluff
 HHRA Review);
- Phase II Environmental Site Assessment, 2771 Gundry Avenue, Orange Bluff, by Mearns Consulting LLC, April 21, 2021 (Appendix F.5: Orange Bluff Phase II ESA);
- Phase I Environmental Site Assessment, Northwest Corner E. Willow St. and Walnut Avenue, Walnut Bluff, by Mearns Consulting LLC, February 19, 2021 (Appendix F.6: Walnut Bluff Phase I ESA);
- Summary Report for Methane Soil Gas Investigation Services at Walnut Bluff Site, by DL Science Inc., March 25, 2021 (Appendix F.7: Walnut Bluff Methane Investigation Report);
- Human Health Risk Assessment, Northwest Corner of E. Willow St. and Walnut Avenue, Walnut Bluff, Signal Hill, California 90755 by Mearns Consulting LLC, June 16, 2021 (Appendix F.8: Walnut Bluff HHRA);
- Review of Human Health Risk Assessment 2175 Cherry Ave., Signal Hills, California, 90755 by CAL EPA Office of Environmental Health Hazard Assessment, July 19, 2021 (Appendix F.9: Walnut Bluff HHRA Review);
- Phase II Environmental Site Assessment, Northwest Corner of E. Willow St. and Walnut Avenue, Walnut Bluff, Signal Hill, California 90755, by Mearns Consulting LLC, April 22, 2021 (Appendix F.10: Walnut Bluff Phase II ESA);

- Phase I Environmental Site Assessment, Northeast Corner E Willow St. and Walnut Avenue, Town
 Center Northwest, Signal Hill, California 90755, by Mearns Consulting LLC, May 27, 2021 (Appendix
 F.11: Town Center Northwest Phase I ESA);
- Phase II Environmental Site Assessment, Northeast Corner E Willow St. and Walnut Avenue, Town Center Northwest, Signal Hill, California 90755, by Mearns Consulting LLC, July 30, 2021 (Appendix F.11a: Town Center Phase II ESA);
- Human Health Risk Assessment, Northeast Corner E Willow St. and Walnut Avenue, Town Center Northwest, Signal Hill, California 90755, by Mearns Consulting LLC, August 11, 2021 (Appendix F.11b: Town Center HHRA);
- Review of Human Health Risk Assessment Town Center Northwest, by CAL EPA Office of Environmental Health Hazard Assessment, July 16, 2021 (Appendix F.11c: Town Center HHRA Review);
- Approval, Summary Report for Methane Soil Gas Investigation Services at Proposed Town Center North
 West Site, Northeast Corner of Intersection of E. Willow Ave. and Walnut Ave., Signal Hill, California
 90755, by Mearns Consulting LLC, July 19, 2021 (Appendix F.12: Town Center Northwest Methane
 Investigation Report Approval Letter);
- Phase I Environmental Site Assessment, Northeast Corner E Willow St. and Walnut Avenue, Heritage Square, Signal Hill, California 90755, by Mearns Consulting LLC, February 1, 2018 (Appendix F.13: Heritage Square Phase I ESA);
- Summary Report for Methane Soil Gas Investigation Services at Heritage Square, Signal Hill, California 90755, by Mearns Consulting LLC, July 19, 2021 (Appendix F.14: Heritage Square Methane Investigation Summary Report);
- Human Health Risk Assessment, Heritage Square Project, Signal Hill, California 90755, by Mearns
 Consulting LLC, July 15, 2021 (Appendix F.15: Heritage Square HHRA);
- Phase II Environmental Site Assessment, Heritage Square Project, Signal Hill, California 90755, by Mearns Consulting LLC, December 21, 2018 (Appendix F.16: Heritage Square Phase II ESA);
- Review of Human Health Risk Assessment Heritage Square, by CAL EPA Office of Environmental Health Hazard Assessment, July 16, 2021 (Appendix F.17: Heritage Square HHRA Review);

2. ENVIRONMENTAL SETTING

Historical Context

Signal Hill has a rich and colorful history. Most famous for the discovery of oil in 1921, and commonly known as an "oil town," the City is now a diverse community with an "oil history" and a bright future. Oil

¹ City of Signal Hill. History of Signal Hill. https://www.cityofsignalhill.org/218/History-of-Signal-Hill. Accessed June 2021.

production continued to be Signal Hill's mainstay until declining oil prices reduced production in the 1970s. In 1974 the Signal Hill Redevelopment Agency was formed, and the city focused on economic development and diversity from oil.

The 2.25 square mile city of Signal Hill lies within the Long Beach Oil Field. The City's legacy of oil production began in 1919 when oil was first discovered.² The Long Beach Field is termed a mega giant field. It is the eighth-largest by cumulative production in California, and although now largely depleted, still officially retains around 5 million barrels of recoverable oil.³

The historical use of the properties in the City includes oil fields, laydown yards, operating units and commercial/industrial businesses. The adjacent properties include commercial/industrial businesses, oilfields, single and multifamily residences. Although the City was once dominated by oil rigs, Signal Hill is now predominantly single and multi-family homes, commercial developments, modern office buildings and industrial parks. The oil rigs that once heavily dotted the hillside now give way for views of single-family residences, retail commercial developments, and modern industrial parks.

Existing Conditions

Even with the dramatic land use changes to the City over the decades, the oil field remains moderately productive, with oil wells and oilfield infrastructure intermixed with commercial and residential development. Many properties contain abandoned oil wells, *which*. However, these wells no longer produce and have been permanently sealed. Title 16 of the City's Municipal Code, the Oil Code, regulates oil production facilities and operations and sets out the standards for development over and around active and abandoned oil wells.

Housing Sites

Orange Bluff

The historical use of the proposed Orange Bluff Housing Site is an oil field. Numerous previously abandoned oil wells associated piping runs, a previous 2,310,000-gallon capacity aboveground storage tank, dehydration plant, boilers, pump station, laboratories, former bio cells used to remediation oilfield impacted material and operating units are/were located on site. Operating units, a stormwater detention basin, a small one-story stucco building, used as a laboratory and new automobiles currently are on site.

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² City of Signal Hill. Oil Well Information. https://www.cityofsignalhill.org/111/Oil-Well-Information. Accessed June 2021.

³ City of Signal Hill. Oil Well Information. https://www.cityofsignalhill.org/111/Oil-Well-Information. Accessed June 2021.

⁴ City of Signal Hill. Developing Around Oil Wells. https://www.cityofsignalhill.org/421/Developing-Around-Oil-Wells. Accessed June 2021.

The proposed Housing Site is accessible from the adjacent property on southern boundary of the Site and is currently undeveloped land used as overflow parking for new automobiles and a few operating units. A small stucco building, located at 1396 East 28th Street, is located at the southwest corner of East 28th Street and Gundry Avenue with a small parking lot on the south side of East 28th Street. Due to its age, the building may have asbestos containing building materials, lead-based paint and/or fluorescent lights. There are 20 oil wells on site, it appears nine are previously abandoned, six are idle and four are active (see **Appendix F.1: Orange Bluff Phase I ESA**). Numerous pipelines underlie Orange Avenue, East 28th Street, Gundry Avenue and East 27th Street, effectively surrounding the Site. Several of these pipelines are owned by entities no longer in business and therefore more than likely are abandoned. Abandoned pipelines that historically conveyed wet gas, crude oil, gas, dry gas and/or natural gas is common on site.

Methane measurements on-site range from non-detect (ND), or less than 1,000 parts per million by volume (ppmv) to 279,000 ppmv. Methane concentrations in soil vapors on-site range from 11,000 ppmv to 140,000 ppmv (see **Appendix F.2: Orange Bluff Methane Investigation Report**).

Chemicals of Potential Concern (COPCs) in soil vapor on the proposed Orange Bluff Housing Site are total petroleum hydrocarbons (TPH, gasoline range) and chlorinated and non-chlorinated volatile organic compounds (VOCs). COPCs present in the soil on site are TPH, ethylbenzene, cumene, naphthalene, n-propylbenzene, cadmium, hexavalent chromium and molybdenum (see **Appendix F.3: Orange Bluff Site HHRA** and **Appendix F.4: Orange Bluff HHRA Review**).

Walnut Bluff

The historical use of the Housing Site is an oil field. Seven oil wells (two operating, two idle and three previously abandoned), associated piping runs and aboveground storage tanks are/were located on site. Operating units, a stormwater system with detention basins and piping currently are on site.

The proposed Housing Site is accessible from the Walnut Avenue and comprises of vacant, undeveloped land. Numerous pipelines underlie East Willow Street, Walnut Avenue and the proposed Walnut Bluff Site. Several of these pipelines are owned by entities no longer in business and therefore more than likely are abandoned. Abandoned pipelines that historically conveyed wet gas, crude oil, gas, dry gas and/or natural may impact the site. There are no sources of asbestos containing building material, lead-based paint or fluorescent lights on site (see **Appendix F.6: Walnut Bluff Phase I ESA**).

Methane measurements on site range from ND to 898,000 ppmv. Methane concentrations in soil vapors on=site range from 34,000 ppmv to 200,000 ppmv (see **Appendix F.7: Walnut Bluff Methane Investigation Report**).

COPCs in soil vapor on the proposed Walnut Bluff Housing Site are TPH, metals and VOCs. COPCs present in the soil vapor on site include benzene, toluene, ethylbenzene, tetracholoroethylene (PCE), total xylenes and gasoline range organics (GROs) (see **Appendix F.8: Walnut Bluff Site HHRA** and **Appendix F.9: Walnut Bluff HHRA Review**).

Town Center Northwest

The historical use of the Housing Site is an oil field. There are 34 oil wells on site or adjacent to it; specifically, there are 19 wells on site and 15 within the eastern two-thirds of the Signal Hill Petroleum, Inc. Drill Site (SHP Drill Site) which is not part of the Project; the western one-third of this portion of this Site is part of the Project. Operating units, a stormwater system with detention basins, swales, berms and piping are currently on site. The Site is used by Signal Hill Petroleum, Inc. (SHP) to store drilling equipment.

The Town Center Northwest Site is accessible via Walnut Avenue and is vacant and undeveloped. It is covered with dirt, grass weeds, gravel, asphalt and concrete. The Site consists of three operating units, six idle units and 10 abandoned oil wells used for storage of oil field equipment. Stormwater prevention measures are present throughout the Housing Site. The eastern two-thirds of the SHP Drill Site contains seven active operating units, seven idle units and one previously abandoned oil well. Numerous pipelines underlie Walnut Avenue and East Willow Street. Several of these pipelines are owned by entities no longer in business and therefore more than likely are abandoned. Abandoned pipelines that historically conveyed wet gas, crude oil, gas, dry gas, natural gas and wastewater may impact the Housing Site. There are no sources of asbestos containing building material, lead-based paint or fluorescent lights on site (see Appendix F.11: Town Center Northwest Phase I ESA).

Heritage Square

The historical use of the Housing Site is an oil field. There are 25 oil wells on the 7.14-acre Site. Oil derricks, sumps and aboveground storage tanks were previously located on site. Operating units, pipelines and a stormwater drainage system, with detention basins and piping are currently on site.

The Heritage Square Site is accessible via Cherry Avenue and is currently unoccupied. The 3-acre portion of the Housing Site identified as 2475 Cherry Avenue, or 2500 Cherry Avenue, was redeveloped in 2010 with a commercial building and a surface parking lot covering approximately 1.5-acres. During the redevelopment effort an unknown quantity of soil was removed from the portion of the Site. The remaining 1.5-acres is vacant and undeveloped with active oil field activity. The four on-site buildings at

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⁵ The SHP Drill Site is not part of the Project but is surrounded by the Town Center Northwest Site on all sides.

2435, 2449, 2461 Gardena Avenue were constructed between 1959 and 1960 and potentially contain asbestos containing building materials and/or lead-based paint. The portion of the Housing Site identified as 2475 and 2485 Gardena Avenue remains vacant and undeveloped with active oil field activity. The portion of the Site identified as 1800 East Burnett Street remains vacant and undeveloped with active oil field activity (see **Appendix F.13: Heritage Square Phase I ESA**). There is no evidence hazardous materials are stored, used, spilled or dumped on the Housing Site and there are no recognized environmental conditions on site or adjacent to the Site.

Methane measurements on-site range from ND to 802,000 ppmv. Methane concentrations in soil vapors on-site range from ND ppmv to 87,200 ppmv (see **Appendix F.14: Heritage Square Methane Investigation Summary Report**).

COPCs in soil on the proposed Housing Site are TPH-diesel range (TPH-d), C23-C40, lead, mercury and thallium. COPCs present in the soil vapor on site include sec-butylbenzene, tert-butylbenzene, dichlorodifluoromethane, naphthalene, PCE, toluene, 1,2,4-trimethylbenzene and di-isopropylether (DIPE) (see **Appendix F.15: Heritage Square HHRA**).

3. REGULATORY SETTING

The regulations governing the storage and handling of hazardous materials are complex, with a varying degree of overlap associated with existing federal, State, and local programs. In general, applicable laws and regulations are aimed at hazardous materials inventory and emergency response planning, risk planning and accident prevention, employee hazard communication, public notification of potential exposure to specific chemicals, storage of hazardous materials including aboveground storage tanks (AST) and USTs. A description of the major regulations, policies, and programs regulating hazardous materials storage and handling applicable to activities at the Project site is provided below.

Federal Setting

A variety of laws and regulations governing the management and control of hazardous substances has been established at the federal level to protect the environment.

Regulating Agencies

United States Environmental Protection Agency

The USEPA is the main federal agency responsible for enforcing regulations relating to hazardous materials and wastes, including evaluation and remediation of contamination and hazardous wastes. The agency works collaboratively with other agencies to enforce materials handling and storage regulations

and site cleanup requirements. The U.S. Occupational Safety and Health Administration (USOSHA) and the USDOT are authorized to regulate safe transport of hazardous materials.

Several USEPA programs address the disposal and cleanup of various hazardous waste materials, including lead, asbestos-containing materials (ACMs), pesticides, and polychlorinated biphenyls (PCBs).⁶

US Occupational Safety and Health Administration

USOSHA is authorized to regulate safe transport of hazardous materials. Specifically, USOSHA implements regulation related to materials handling. USOSHA requirements are intended to promote worker safety, worker training, and a worker's right to know.

Legislation, Regulations, and Programs

Comprehensive Environmental Response, Compensation, and Liability Act

The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)—better known as Superfund—provides federal funds to clean up uncontrolled or abandoned hazardous waste sites, accidents, spills, discharges, and other emergency releases of pollutants and contaminants into the environment. Through CERCLA, USEPA was given authority to seek out those parties responsible for any hazardous release and ensure their cooperation in the cleanup.

Emergency Planning and Community Right-to-know Act

The Emergency Planning and Community Right-to-Know Act (EPCRA) of 1986,⁷ commonly known as Title III of the Superfund Amendments and Reauthorization Act (SARA), was enacted by Congress as national legislation on community safety. This law was designated to help local communities protect public health, safety, and the environment from chemical hazards. The primary purpose of EPCRA is to inform communities and citizens of chemical hazards in their areas by requiring businesses to report the locations and quantities of chemicals stored on site to State and local agencies. These reports help communities prepare to respond to chemical spills and similar emergencies. Section 313.1 of EPCRA requires manufacturers to report releases to the environment (air, soil, and water) of more than 600 designated toxic chemicals; report off-site transfers of waste for treatment or disposal at separate facilities; implement pollution prevention measures and activities; and participate in chemical recycling. These annual reports are submitted to the USEPA and state agencies. The USEPA maintains and publishes a database that contains information on toxic chemical releases and other waste management activities by

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⁶ US EPA. Waste, Chemical, and Cleanup Enforcement. https://www.epa.gov/enforcement/waste-chemical-and-cleanupenforcement. Accessed May 2021.

^{7 42} USC sec. 11001 et seq., Emergency Planning and Community Right-to-Know Act (EPCRA) of 1986.

certain industry groups and federal facilities. This online, publicly available, national digital database is called the Toxics Release Inventory (TRI) and was expanded by the Pollution Prevention Act of 1990.

To implement EPCRA, Congress required each state to appoint a State Emergency Response Commission (SERC) to coordinate planning and implementation activities associated with hazardous materials. The SERCs were required to divide their states into emergency planning districts and to name a local emergency planning committee (LEPC) for each district. The federal EPCRA program is implemented and administered in California by Cal OES, a SERC, 6 LEPCs, and 83 certified Unified Program agencies (CUPAs). Cal OES coordinates and provides staff support to the SERC and LEPCs. Broad representation by fire fighters, health officials, government and media representatives, community groups, industrial facilities, and emergency managers ensures that all necessary elements of the planning process are represented.

Resource Conservation and Recovery Art

The 1976 Resource Conservation and Recovery Act (RCRA) was the first major federal act regulating the potential health and environmental problems associated with hazardous and nonhazardous solid waste. RCRA and the implementation regulations developed by the USEPA provide the general framework of national hazardous waste management systems. This framework includes the determination of whether hazardous wastes are being generated, techniques for tracking wastes to eventual disposal, and the design and permitting of hazardous waste management facilities. RCRA allows individual states to develop their own program for the regulation of hazardous wastes as long as state regulations are at least as stringent as the RCRA.

Toxic Substances Control Act

The Toxic Substances Control Act of 1976⁸ was enacted by Congress to give the USEPA the ability to track the 75,000 industrial chemicals currently produced or imported into the United States. The USEPA repeatedly screens these chemicals and can require reporting or testing of any that may pose an environmental or human health hazard. It can ban the manufacture and import of chemicals that pose an unreasonable risk. Also, the USEPA has mechanisms in place to track the thousands of new chemicals that industry develops each year with either unknown or dangerous characteristics. It was given the authority to control these chemicals as necessary to protect human health and the environment. Within that authority, the Toxic Substances Control Act addresses the production, importation, use, and disposal of specific chemicals including PCBs, ACMs, radon, and lead-based paint. The act supplements other federal statutes, including the Clean Air Act and the TRI under EPCRA.

⁸ Toxic Substances Control Act of 1976, 15 USC sec. 2601 et seq.

Lead Renovation, Repair, and Painting Program

USEPA's Lead Renovation, Repair, and Painting Rule (RRP Rule) requires that firms performing renovation, repair, and painting projects that disturb lead-based paint in homes, childcare facilities and pre-schools built before 1978 have their firm certified by USEPA (or an USEPA authorized state), use certified renovators who are trained by USEPA-approved training providers, and follow lead-safe work practices.

Hazardous Materials Transportation Act

The USDOT, in conjunction with the USEPA, is responsible for enforcement and implementation of federal laws and regulations pertaining to safe storage and transportation of hazardous materials. The Code of Federal Regulations (CFR) Title 49, Sections 171–180, regulate the transportation of hazardous materials, types of material defined as hazardous, and the marking of vehicles transporting hazardous materials. This act applies to the Project because contractors will be required to comply with its storage and transportation requirements that would reduce the possibility of spills.

State Setting

Regulating Agencies

California Environmental Protection Agency

The California Environmental Protection Agency (CalEPA) was created in 1991 with the signing of Executive Order W-5-91 by Governor Pete Wilson. Several State regulatory boards, departments, and offices were placed under the CalEPA umbrella to create a cabinet-level voice for the protection of human health and the environment and to assure the coordinated deployment of State resources. Among those responsible for hazardous materials and waste management are the Department of Toxic Substance Control (DTSC), Department of Pesticide Regulation, the State Water Quality Control Board and its Regional Water Quality Control Boards (RWQCB), and Office of Environmental Health Hazard Assessment. CalEPA also oversees the unified hazardous waste and hazardous materials management regulatory program (Unified Program), which consolidates, coordinates, and makes consistent the following six programs:

- Hazardous Materials Release Response Plans and Inventories (Business Plans);
- Underground Storage Tank (UST) Program;
- Aboveground Petroleum Storage Tank Act;
- Hazardous Waste Generator and On-site Hazardous Waste Treatment Programs;
- California Uniform Fire Code: Hazardous Material Management Plans and Inventory Statements; and
- California Accidental Release Prevention (CalARP) Program.

In addition, in compliance with California Public Resources Code Section 3229, before commencing any work to abandon any oil well, the owner or operator shall file with the CalGEM, formerly known as the Division of Oil, Gas, and Geothermal Resources, a written notice of intention to abandon the well (California State Division of Oil, Gas and Geothermal Resources form OG108).

Department of Toxic Substances Control

DTSC is authorized by CalEPA to administer the hazardous waste laws and oversee remediation of hazardous wastes sites. Regulations require that DTSC "shall compile and update as appropriate, but at least annually, and shall submit to the Secretary for Environmental Protection, a list of all the following: (1) All hazardous waste facilities subject to corrective action pursuant to Section 25187.5 of the Health and Safety Code (HSC)."9

The DTSC regulates hazardous waste, cleans up existing contamination, and looks for ways to reduce the hazardous waste produced in California. Approximately 1,000 scientists, engineers, and specialized support staff ensure that companies and individuals handle, transport, store, treat, dispose of, and clean up hazardous wastes appropriately. Through these measures, DTSC contributes to greater safety for all Californians, and less hazardous waste reaches the environment. DTSC's role is limited to projects with State funding. DTSC oversight is not required where a State-funded project is statutorily or categorically exempt from CEQA.

The hazardous waste facilities identified in HSC Section 25187.5 are those where DTSC has taken or contracted for corrective action because a facility owner/operator has failed to comply with a date for taking corrective action in an order issued under the HSC, or because DTSC determined that immediate corrective action was necessary to abate an imminent or substantial endangerment.

Certified Unified Program Agency

Californians are protected from hazardous waste and hazardous materials by a Unified Program that ensures consistency throughout the State regarding administrative requirements, permits, inspections, and enforcement. CalEPA oversees the statewide implementation of the Unified Program and its 83 certified local government agencies, known as Certified Unified Program Agencies (CUPAs), which apply regulatory standards established by five different State agencies. The CUPA can be a county, city, or joint powers authority. A participating agency is a local agency that has been designated by the local CUPA to administer one or more Unified Programs within their jurisdiction on behalf of the CUPA. A designated agency is a local agency that has not been certified by CalEPA to become a CUPA but is the responsible

⁹ California Government Code (GOV), Development Permits for Classes of Projects [65960 - 65964.1], sec. 65962.5

local agency that would implement the six Unified Programs until they are certified. Currently, there are 83 CUPAs in California. The CUPA for the County is the Los Angeles County Fire Department (LACoFD).

California Occupational Safety and Health Administration

The California Occupational Safety and Health Administration (Cal/OSHA) has set forth work requirements for disturbance of ACMs, including removal operations for all types of ACMs. In addition, the agency has developed standards for general industry and the construction industry hazardous waste operations and emergency response. Cal/OSHA ensures that employers must have controls to reduce and monitor exposure levels of hazardous materials; and oversees an informational program describing any exposure during operations and the inspection of drums and containers prior to removal or opening. Decontamination procedures and emergency response plans must be in place before employees begin working in hazardous waste operations.

Legislation and Regulations

Senate Bill 14: California Hazardous Waste Source Reduction and Management Review Act of 1989

The California Hazardous Waste Source Reduction and Management Review Act of 1989, also known as Senate Bill (SB) 14, required large-quantity generators—those that annually produce more than 13.2 tons of hazardous waste or 26.4 pounds of extremely hazardous waste—to periodically conduct a source evaluation of their facilities and develop plans to reduce their volume of hazardous waste through measures such as changes in raw materials production methods, product reformulations, and employee training. ¹⁰ The primary objective of the legislation was to reduce the quantity of hazardous waste generated in California and thereby promote public health and improve environmental quality. Generators that exceed the aforementioned waste volume thresholds are required to file waste minimization reports with DTSC every 4 years.

California Emergency Response Plan

California has developed an emergency response plan to coordinate emergency services provided by federal, State, and local governments and private agencies. Responding to hazardous materials incidents is one part of this plan. The plan is administered by Cal OES, which coordinates the responses of other agencies, including CalEPA, the California Highway Patrol, the RWQCB, and the LACoFD.

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California Department of Toxic Substances Control (DTSC), "SB14 Introduction and Overview" (July 2012), https://dtsc.ca.gov/sb14/sb14-introduction-and-overview/. Accessed May 2021.

Hazardous Waste Control Act

The Hazardous Waste Control Act (HWCA) is the State equivalent of RCRA and regulates the generation, treatment, storage, and disposal of hazardous waste. ¹¹ This act implements the RCRA "cradle-to-grave" waste management system in California but is more stringent in its regulation of non-RCRA wastes, spent lubricating oil, small-quantity generators, and transportation and permitting requirements, as well as in its penalties for violations. HWCA applies to the Project because contractors will be required to comply with its hazardous waste requirements to reduce the possibility of spills.

Hazardous Materials Management Plans

In January 1996, CalEPA adopted regulations implementing a Unified Hazardous Waste and Hazardous Materials Management Regulatory Program (Unified Program). ¹² As noted previously, the six program elements of the Unified Program are hazardous waste generators and hazardous waste on-site treatment; underground storage tanks; aboveground storage tanks; hazardous material release response plans and inventories; risk management and prevention programs; and Uniform Fire Code hazardous materials management plans and inventories. The program is implemented at the local level by a local agency, the CUPA, which is responsible for consolidating the administration of the six program elements within its jurisdiction.

State and federal laws require detailed planning (1) to ensure that hazardous materials are properly handled, used, stored, and disposed of; and (2) in the event that such materials are accidentally released, to prevent or to mitigate injury to health or the environment.

California Hazardous Materials Release Response Plans and Inventory Law of 1985 (Business Plan Act)

The Business Plan Act requires preparation of hazardous materials business plans and disclosure of hazardous materials inventories, including an inventory of hazardous materials handled, plans showing where hazardous materials are stored, an emergency response plan, and provisions for employee training in safety and emergency response procedures (HSC, Division 20, Chapter 6.95, Article 1).13 Statewide, DTSC has primary regulatory responsibility for management of hazardous materials, with delegation of authority to local jurisdictions that enter into agreements with the State. Local agencies are responsible for administering these regulations. Several State agencies regulate the transportation and use of hazardous materials to minimize potential risks to public health and safety, including CalEPA and Cal OES. The California Highway Patrol and California Department of Transportation (Caltrans) enforce regulations

DTSC, California Hazardous Waste and Hazardous Substances Law, California Code of Regulations, Title 22, Division 4.5, Environmental Health Standards for the Management of Hazardous Waste.

¹² CalEPA, "Unified Program," https://calepa.ca.gov/cupa/.

specifically related to the transport of hazardous materials. Together, these agencies determine container types used and license hazardous waste haulers for hazardous waste transportation on public roadways. The Business Plan Act applies to this Project because contractors will be required to comply with its handling, storage, and transportation requirements that would reduce the possibility of spills, and to prepare an emergency response plan to respond to accidental spills.

California Government Code Section 65962.5: Cortese List

The provisions of Government Code Section 65962.5 are commonly referred to as the Cortese List.14 The Cortese List is a planning document used by State and local agencies to provide information about hazardous materials release sites. Section 65962.5 requires CalEPA to develop an updated Cortese List annually. DTSC is responsible for a portion of the information contained in the Cortese List. Other State and local government agencies are required to provide additional hazardous material release information for the Cortese List.

Regional and Local Setting

South Coast Air Quality Management District

The South Coast Air Quality Management District (SCAQMD) regulates asbestos through Rule 1403, Asbestos Emissions from Renovation/Demolition Activities. Rule 1403 regulates asbestos as a toxic material and controls the emissions of asbestos from demolition and renovation activities by specifying agency notifications, appropriate removal procedures, and handling and cleanup procedures. Rule 1403 applies to owners and operators involved in the demolition or renovation of asbestos-containing structures, asbestos storage facilities, and waste disposal sites. SCAQMD also regulates volatile organic compound (VOC) emissions from contaminated soil through Rule 1166, Volatile Organic Compound Emissions from Decontamination of Soil. Rule 1166 sets requirements to control the emission of VOCs from excavating, grading, handling, and treating soil contaminated with VOCs as a result of leakage from storage or transfer operations, accidental spillage, or other deposition.

Los Angeles Regional Water Quality Control Board

The Los Angeles Regional Water Quality Control Board (LARWQCB) is one of nine Statewide regional boards. The LARWQCB protects ground and surface water quality in the Los Angeles region, including the coastal watersheds of Los Angeles and Ventura Counties, along with very small portions of Kern and Santa

Barbara Counties. In order to carry out its mission to preserve and enhance water quality, the LARWQCB conducts the following range of activities to protect ground and surface waters under its jurisdictions: ¹³

- Addresses region-wide and specific water quality concerns through updates of the Water Quality Control Plan for the Los Angeles region;
- Prepares, monitors compliance with, and enforces Waste Discharge Requirements, including National Pollutant Discharge Elimination System (NPDES) permits;
- Implements and enforces local stormwater control efforts;
- Regulates the cleanup from contaminated sites, which have already been polluted or have the potential to pollute ground or surface water;
- Enforces water quality laws, regulations, and waste discharge requirements;
- Coordinates with other public agencies and groups that are concerned with water quality; and
- Informs and involves the public on water quality issues.

Additionally, the LARWQCB has the responsibility for oversight of leaking USTs and the responsibility for inspecting ASTs and ensuring SPCC's have been prepared within the County. 14

Los Angeles County Hazardous Materials Control Program

In 1982, the Los Angeles County Board of Supervisors established the Hazardous Materials Control Program in the Department of Health Services (DHS) for the inspection of businesses generating hazardous waste. In 1991, the program merged into the LACoFD and it became the Health Hazardous Materials Division (HHMD). In 1997, HHMD became a CUPA to administer the following programs within Los Angeles County: the Hazardous Waste Generator Program, the Hazardous Materials Release Response Plans and Inventory Program, the California Accidental Release Prevention Program (CalARP), the Aboveground Storage Tank Program and the Underground Storage Tank Program. The LACoFD, Prevention Services Bureau, HHMD is a CUPA that administer the Hazardous Waste Generator Program, the Hazardous Materials Release Response Plans and Inventory Program, the CalARP, the Aboveground Storage Tank Program, and the Underground Storage Tank Program, and the Underground Storage Tank Program.

The Los Angeles County Sanitation District and its Household Hazardous Waste and Electronic Collection Program (HWW) provides Los Angeles County residents with a legal way to dispose of unwanted household chemicals that cannot be disposed of in the regular trash.

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¹³ California Waterboards, About Us, https://www.waterboards.ca.gov/losangeles/about_us/, accessed May 2021.

¹⁴ Health and Safety Code Section 25270.8.

Signal Hill General Plan Safety Element

The Safety Element is one of seven General Plan elements required by the State of California. This document provides the City of Signal Hill with background information on hazards and public safety services, and establishes goals, policy direction, and implementation measures intended to limit the community's exposure to a range of hazards. This element is a comprehensive update of the 1986 Safety Element and incorporates the latest available information from local, state, and federal sources regarding public safety and hazards. This element includes:

- Existing conditions & background information on the City and existing police, fire, and medical services serving the City.
- A discussion of seismic and geologic hazards, including surface rupture and ground shaking resulting from earthquakes, liquefaction, landslides, and soil settlement and expansion.
- A discussion of oilfield hazards related to hazardous materials impacts, with a focus on identifying and minimizing risks associated with oil production, storage, and transportation activities.
- An evaluation of other hazards, including fires, flooding, tsunami, seiche, and dam failure, including evacuation routes.
- Goals, policies, and implementation measures that provide direction and guidance for the City of Signal Hill to minimize impacts resulting from hazards over the coming decades.

Signal Hill Municipal Code

Title 16: City of Signal Hill Oil and Gas Code

Title 16 regulates the drilling for production, processing, storage and transport by pipeline of petroleum and other hydrocarbon substances, timely and proper well abandonment and well site restoration and removal of oil and gas related facilities, reclamation and remediation of host sites and final disposition of pipelines in compliance with applicable laws and permits so that these activities may be conducted in conformance with federal, state, and local requirements, and to mitigate the impact of oil-related activities on urban development.

4. ENVIRONMENTAL IMPACTS

Thresholds of Significance

To assist in determining whether the proposed Project would have a significant effect on the environment, the City finds the proposed Project may be deemed to have a significant impact related to hazards if it would:

Threshold IV. HAZ-1: Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

Threshold IV. HAZ-2: Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

Threshold IV. HAZ-3: Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

Threshold IV. HAZ-4: Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?

Threshold IV. HAZ-5: For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?

Threshold IV. HAZ-6: Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

Threshold IV. HAZ-7: Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?

Methodology

To evaluate potential impacts regarding hazards and hazardous materials, Phase I and Phase II ESAs, Methane Gas Summary Reports and Human Health Risk Assessments (HHRAs) were prepared for the Project Sites. The analysis of the potential impacts regarding hazardous materials management was based on review of identified publicly available documents and on-site reconnaissance. In addition, the analysis of the potential impacts regarding the generation and disposal of ACMs, lead based paint, and PCBs were based on the provisions of applicable local, State, and federal regulations.

The site reconnaissance included excavation and drilling on the four Housing Sites. Soil matrix samples were collected and tested. All drilling, logging and sampling activities were conducted by or under direct supervision of a California Professional Geologist, and in accordance with California Well Standards presented in the Department of Water Resources (DWR).

The site reconnaissance identified the potential for environmental conditions to exist on the Project site. Recommendations regarding the construction of the Project are identified in response to the conditions that exist on the four Housing Sites. Various reports including Phase I and Phase II ESAs, Methane Gas Summary Reports and HHRAs are provided in **Appendix F.1—Appendix F.16** of this Draft EIR.

Environmental Impacts

Threshold IV. HAZ-1: Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?

Implementation of the proposed Project would not directly construct new housing in the City but would promote and facilitate development of new residential land uses. However, implementation of the Housing Element Update (HEU) would facilitate new residential construction in order to meet the City's RHNA allocation. Future construction on the Housing Sites would involve site clearing; bioremediation of soils and subsurface materials; demolition of previous structures and piping remnants; daylighting and leak testing of oil wells; construction of new residential buildings; and the installation of utilities and landscaping. These activities may require the transport of contaminated soil and the use of hazardous substances during construction. In addition, construction activities would use hazardous materials such as fuels (gasoline and diesel), oils and lubricants, paints and paint thinners, glues, cleaners (which could include solvents and corrosives in addition to soaps and detergents) and possibly pesticides and herbicides. Future residential land uses would not be expected to transport, use, store or dispose of substantial amounts of hazardous materials.

Construction

Construction activities on the Housings Sites are anticipated to involve the use of typical materials that are potentially hazardous, including vehicle fuels, paints, mastics, solvents, and other acidic or alkaline solutions that would require special handling, transport, and disposal. Additionally, the demolition and removal of existing structures and facility remnants such as underground pipes and the daylighting of oil wells within the Project Site could potentially result in the exposure of hazardous materials such as ACMs, lead-based paint and other potentially hazardous building materials in some form as part of the building materials, such as PCBs, mercury or chlorofluorocarbons in fluorescent lighting and electrical switches as well as potentially hazardous VOCs in on-site soils.

In accordance with City, State, and federal regulations, an evaluation of hazardous building materials would be performed prior to the start of demolition of any construction to determine if remediation and abatement of ACMs and lead-based paint is required. The ACMs and lead-based paint containing hazardous waste and debris encountered/generated during demolition activities would be disposed of in

accordance with applicable local, State, and federal regulations. Any other waste discovered such as fluorescent bulbs, ballast, thermostats, electrical switches, and batteries would also be disposed of in accordance with applicable local, State and federal regulations. Through compliance with applicable local, State and federal regulations, the proposed Project impacts related to the routine transport, use, or disposal of hazardous materials during building demolition would be less than significant.

All potentially hazardous materials used during construction would be used and stored in compliance with applicable federal, State, and local regulations. As the use and transport of these hazardous materials would be limited, in terms of volume and duration, these materials are not considered a significant hazard to the public or environment. Additionally, the Los Angeles County Fire Department would have the authority to perform inspections and enforce federal and State laws governing the storage, use, transport, and disposal of hazardous materials and wastes.

Furthermore, any spills or leakages encountered during construction would be required to be remediated in accordance with the State and local regulations for hazardous waste cleanup. The potential for construction materials to cause contamination would be reduced through the implementation of a stormwater pollution prevention plan (SWPPP), in accordance with NPDES.

Implementation of Mitigation Measure (MM) HAZ-1 would require the preparation of a soil management plan (SMP) prior to commencement of ground disturbing activities as approved by the SCAQMD would be completed prior to construction activities. MM HAZ-1 would ensure the SMP would provide instructions for appropriate actions in the event discolored or odiferous soils are discovered during grading. Abandoned oil wells and pipelines and idle oil wells present on the Housing Sites would be located, daylighted and methane gas leak tested and fitted with vent cones and risers through incorporation of MM HAZ-2 through MM HAZ-4. Daylighting oil wells and pipelines involves the disturbance of soils and monitoring for VOCs which are required to be below 50 parts per million by volume (ppmv). Soil impacted with TPH and metals may be hauled off-site for disposal to a licensed landfill upon completion of a waste profile and acceptance by the receiving facility. Waste classification will be conducted in accordance with 22 CCR Division 4.5, Chapter 11, Article 3 and 40 CFR 261 Subpart C. The on-site TPH impacted soil may meet the criteria for use as daily cover. On-site treatment of metals (lead) impacted soil may be implemented prior to transfer off site for disposal. Trucks will follow the designated hauling route as required by the City of Signal Hill (see Appendix F.1—Appendix F.16). All applicable regulations would be followed to minimize adverse exposure of contaminated soil to the public.

Based on the identification of the existing conditions at the Project Site described previously, as well as the use of hazardous substances during construction of the Project, there is the potential for an adverse impact to the environment and other sensitive receptors through the routine transport, use, or disposal of hazardous materials. However, during Project construction, all activities that relate to existing on-site environmental conditions would be subject to the requirements of MM HAZ-1 through MM HAZ-4 and applicable local, State, and federal regulations relating to the routine transport, use, and disposal of hazards and hazardous materials which appropriately address all of the environmental conditions that are present at the Project Site. Through required compliance with these mitigation measures and regulatory compliance measures, the Project would not result in adverse impacts related to the routine transport, use, and disposal of hazards and hazardous materials during construction and impacts would be less than significant.

Operation

Operation and maintenance of the proposed residential Project would not involve the routine transport, use, or disposal of hazardous materials. Further, the types and amounts of materials that would be used in connection with the proposed Project would be typical of those used in residential neighborhoods and neighborhood uses, such as surface and floor cleaning products utilized for routine janitorial cleaning procedures. All potentially hazardous materials to be used during construction and operation of the Housing Sites would be contained, stored, and used in accordance with manufacturers' instructions and handled in accordance with all applicable standards and regulations, including but not limited to, those set forth by the federal and State Occupational Safety and Health Acts. Any associated risk would be adequately reduced to a less than significant level through implementation and compliance with these existing laws and regulations. Operational impacts through the routine transport, use, or disposal of hazardous materials would be less than significant and no mitigation measure is required.

Threshold IV. HAZ-2: Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

Construction

Construction of the proposed Project would involve the temporary use of hazardous materials including vehicle fuels, oils, and transmission fluids. Such use which could pose risks to construction workers or lead to soil and groundwater contamination, if not properly stored, used, or disposed. However, the materials used would not be in such quantities or stored in such a manner as to pose a significant safety hazard. These activities would also be short term or one time in nature. Project construction workers would be trained in safe handling and hazardous materials use.

Additionally, the use, storage, transport, and disposal of construction-related hazardous materials and waste would be required to conform to existing laws and regulations. These include the Hazardous

Material Transportation Act, the Resource Conservation and Recovery Act, the California Hazardous Waste Control Act, CUPA, and the California Accidental Release Prevention Program. As required by law, notification to Underground Service Alert would be made. Prior to construction an attempt to coordinate with the owners/operators of high priority underground lines would be made in order to avoid damage to high-pressure pipelines and natural gas/petroleum pipelines in the area. Compliance with applicable laws and regulations governing the use, storage, and transportation of hazardous materials would ensure that all potentially hazardous materials are used and handled in an appropriate manner and would minimize the potential for safety impacts to occur. For example, if a spill or leakage of petroleum products occurs during construction activities, it would be immediately contained, the hazardous material identified, and the impacted area would be remediated in compliance with applicable State and local regulations for the cleanup and disposal of that contaminant.

Phase I and Phase II ESAs, Methane Gas Summary Reports and HHRAs provided in **Appendix F.1**— **Appendix F.16** summarize existing pollutants on and beneath the surface of the Project Site and develops appropriate remediation actions to be completed which would be implemented prior to construction. **MM HAZ-5** would require a Methane Mitigation System to be installed below the foundations of future residential buildings on the Housing Sites. The Methane Mitigation System would eliminate the exposure pathway of methane and other chemicals of concern (COCs) that remain on-site and would mitigate vapor intrusion ensuring the Housing Sites are safe for future residential uses. Further, **MM HAZ-6** would ensure future residential uses are safe by requiring the paved areas on the Housing Sites greater than 5,000 square feet and contiguous to future residential buildings to be vented with designs to prevent surface water infiltration. Groundwater sampling data indicates there would be little to no chance COCs on the Housing Sites would affect the quality groundwater quality.

Accordingly, implementation of **MM HAZ-5** and **MM HAZ-6** prior to Project approval and compliance with applicable laws and regulations governing the use, storage, and transportation of hazardous materials would ensure that all potentially hazardous materials are used and handled in an appropriate manner which would minimize potential impacts associated with upset or accident conditions. Potential impacts regarding hazardous waste upset or accident conditions would be less than significant.

Operation

Occupancy and use of the residential units would not create a significant hazard to the public or the environment and would not emit hazardous emissions. Routine maintenance and upkeep of the residential development would involve handling of small quantities of hazardous materials for activities including cleaning and local upgrades. However, as discussed under **Threshold IV.HAZ-1**, handling of such

materials would follow manufacturer's instructions and properly stored when not in use. Therefore, potential impacts associated with upset or accident conditions would be less than significant.

Threshold IV. HAZ-3: Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

There are no schools located within one-quarter mile of the proposed Housing Sites. The nearest school is Signal Hill Elementary School, approximately 0.5 miles south/southwest of the Housing Sites. The Project would introduce residential land uses to the Housing Sites. This land use does not generate hazardous emissions or involve the handling of acutely hazardous materials, substances or wastes. The residential land uses may involve limited transport, storage, use and disposal of small quantities of hazardous materials such as chemical cleaning agents. No special permits would be required for such limited use of common cleaning agents. The proposed restaurant may use and dispose of grease and food oils, which are not considered hazardous but do require special handling and as such would be collected in separate grease interceptors and removed by contracted haulers for transport to appropriate disposal sites. As noted in the response to **Threshold IV.HAZ-1** above, the residential land uses would involve the regular handling of minor quantities of common household chemical agents and related wastes; however, these types of wastes are typical and do not represent a hazardous materials or waste impact. Thus, a less than significant impact would occur in relation to this issue.

Threshold IV. HAZ-4: Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?

California Government Code Section 65962.5 specifies lists of the following types of hazardous materials sites: hazardous waste facilities; hazardous waste discharges for which the State Water Quality Control Board has issued certain types of orders; public drinking water wells containing detectable levels of organic contaminants; underground storage tanks with reported unauthorized releases; and solid waste disposal facilities from which hazardous waste has migrated. While Section 65962.5 makes reference to the preparation of a list, many changes have occurred related to web-based information access since 1992 and information regarding the Cortese List is now compiled on the websites of the DTSC, the State Water Resources Control Board, and CalEPA. The DTSC maintains the EnviroStor database, which includes sites on the Cortese List and also identifies potentially hazardous sites where cleanup actions or extensive investigations are planned or have occurred. The database provides a listing of federal Superfund sites, State response sites, voluntary cleanup sites, and school cleanup sites.

The EnviroStor database is maintained by DTSC and provides access to detailed information on hazardous waste permitted sites and corrective action facilities, as well as existing site cleanup information. EnviroStor also provides information on investigation, cleanup, permitting, and/or corrective actions that are planned, being conducted, or have been completed under DTSC's oversight. The RWQCB maintains the GeoTracker database which manages sites that impact, or have the potential to impact, water quality in California. The GeoTracker database includes sites that require cleanup, are under current investigation/remediation, or have been closed with a status not requiring further investigation.

A geographical search for hazardous materials sites, as defined in Government Code Section 66962.5, was conducted based on a review of these databases The addresses associated with the proposed Housing Sites are not included on any list compiled pursuant to Government Code Section 65962.5 (see **Appendix F.1**, **Appendix F.6**, **Appendix F.11**, and **Appendix F.13**). As such, the Housing Sites are not located in an area with current significant hazardous materials sites and therefore would not create a significant hazard to the public or environment. No impact would occur.

Threshold IV. HAZ-5: For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?

The nearest public use airport is Long Beach Municipal Airport, located less than 1 mile to the northeast of the Housing Sites. The project would introduce new residential land uses. The Los Angeles County Airport Land Use Commission establishes Airport Influence Areas (AIA) to identify areas likely to be impacted by noise and flight activity created by aircraft operations at and airport. The Housing Sites are not within the AIA for Long Beach Municipal Airport (Los Angeles County Airport Land Use Commission 2003). Thus, people living or working on the future Housing Sites site would not be exposed to any safety hazards associated with the operation of the airport. As such, impact would be less than significant.

Threshold IV. HAZ-6: Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

Both the County of Los Angeles and the City of Signal Hill have plans that include operational concepts, describe responsibilities, and outline procedures for emergency response. The County has adopted an Operational Area Emergency Response Plan, which describes the planned responses to emergencies associated with natural and man-made disasters and technological incidents. The Signal Hill (2018e) Hazard Mitigation Plan documents strategies and approaches designed to reduce loss of life and property in the event of a disaster or emergency. Key action items in the plan include improving communication

and strengthening emergency operations by increasing collaboration and coordination among the various agencies and organizations involved in emergency planning, identifying funding to implement prevention plans and programs, and continuing the education and outreach efforts.

Project implementation at the Housing Sites would not interfere with the implementation of either of these plans because the proposed Project does not introduce any new land uses not considered in the implementation of the plans and it does not place the proposed land uses in an area that would require any specialized response, nor does it place new land uses in an area that is subject to potential threats such as high fire hazard area, flood, or known hazardous materials or substance releases.

As for emergency evacuation, the roadway grid in and around Signal Hill provides multiple means of evacuation from natural, technological or human-caused disasters. As identified in the Signal Hill General Plan Safety Element, existing evacuation routes are adequate to serve the City's population, and no major improvements are considered necessary to maintain emergency access. Several of the local arterial roadways and Interstate (I-405) are major evacuation routes. Two arterial roadways are in the immediate vicinity of the project site; Cherry Avenue to the west and Willow Street to the north are designated as major evacuation routes. ¹⁵ Given these available emergency routes, future residents, workers, and visitors would have sufficient options for emergency evacuation at each Housing Site if necessary.

The Project would be required to meet minimum driveway width and design requirements as established by SHMC Title 15 and the Los Angeles County Fire Department. ¹⁶ These standards ensure that driveways are properly sized and located to facilitate emergency vehicle access and the positioning of emergency response crews during emergencies. Thus, since the development of the Housing Sites would not introduce any new land uses not already considered in emergency response plans or place the proposed land uses in an area that has been identified as high risk in relation to natural or man-made hazards, and since it would adhere to design requirements established in part to promote safety and logical evacuation, the Project would have a less than significant impact in relation to the implementation of an emergency response plan or evacuation plan.

Threshold IV. HAZ-7: Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?

The California Department of Forestry and Fire Protection (Cal fire) has mapped fire hazard severity zones throughout the state. Designations include Unboned (the lowest wildland fire risk), Moderate, High, and Very High. Property within the City boundaries is Unzoned, indicating a low potential for wildland fire;

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¹⁵ General Plan Safety Element 2016.

¹⁶ Signal Hill Municipal Code Title 15 (Buildings and Construction).

there are no Moderate, High, or Very High fire hazard zones in the City.¹⁷ Thus, the Project would not expose people or structures to a significant risk of loss, injury, or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands. As such, there would be no impact.

5. MITIGATION MEASURES

The following Mitigation Measures (MMs) have been identified and are based on available information provided in various reports for the Housing Sites:

MM HAZ-1 Prepare a Soil Management Plan Prior to Commencement of Ground Disturbing Activities

A soil management plan should be prepared prior to any soil disturbance activities to be conducted on site. This soil management plan should provide instructions for the contractor to implement in the event discolored or odiferous soils are discovered during any grading operations. A South Coast Air Quality Management District (SCAQMD) Rule 1166 Permit and Compliance Plan should be obtained from the SCAQMD due to the presence of volatiles prior to the start of soil disturbance operations.

MM HAZ-2 Daylight Abandoned Oil Wells

Previously abandoned oil wells should be located, daylighted and methane gas leak tested prior to the installation of vent cones and vent risers pursuant to the City of Signal Hill's Oil and Gas Code §16.24.030 and §16.24.040. As the act of daylighting oil wells involves soil disturbance, monitoring for volatile organic compounds will be required under the R1166 permit/compliance plan. The R1166 permit limits the release of volatiles in soils to 50 parts per million by volume (ppmv) or less, however some volatiles will be released into the ambient atmosphere during these activities, decreasing the residual concentrations previously detected in site soils and soil vapor.

MM HAZ-3 Daylight Idle Oil Wells

Idle wells should be located, daylighted and abandoned in accordance with the State of California Department of Conservation, Geologic Energy Management Division (CalGEM)

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¹⁷ As shown in Figure 7 of the Signal Hill General Plan Safety Element 2016.

requirements and in accordance with the City of Signal Hill's Oil and Gas Code §16.22 and §16.24, and under the R1166 permit/compliance plan requirements.

MM HAZ-4 Daylight Abandoned Pipelines

Abandoned pipelines should be located, daylighted and removed in accordance with the Soil Management Plan and R1166 permit/compliance plan.

MM HAZ-5 Install Methane Mitigation Systems Subslab of Proposed Buildings

Institutional controls, i.e., a methane mitigation system to be installed subslab of any proposed buildings, pursuant to the City of Signal Hill's Oil and Gas Code §16.24.080 will effectively mitigate risks and hazards due to vapor intrusion to negligible conditions ensuring the site is safe for any future intended use including as a residential property. A redeveloped property precludes exposure to site soils by future residential occupants.

Methane mitigation subslab of proposed buildings is recommended based on the Methane Assessments. The methane mitigation system should consist of a subslab impervious membrane placed in between geotextile or geocloth to protect it from sand above and the 4" thick gravel blanket below in conformance with the City of Signal Hill Oil and Gas Code §16.24.080 and City of Signal Hill Project Development Guide (June 2020). Perforated horizontal vent pipes should be placed in the 4" thick gravel blanket and tied into vertical vent risers (typically cast iron) placed in between the interior and exterior walls, less than 100-feet apart, extending a minimum of 3-feet above the roof line and should not terminate less than 1010-feet from any opening (City of Signal Hill June 2020).

Although designed to capture and vent methane to the atmosphere, other volatile organic compounds in the subsurface (both in the soil matrix and soil vapor) also will be captured and vented by this system.

MM HAZ-6 Include Vents in Impervious Pavement if Area is 5,000 Square Feet or Greater and Contiguous to Buildings

If an impervious surface paving area is 5,000 square feet or greater and contiguous to the proposed buildings, the paving should have vents spaced less than 100-ft apart consisting of four sided concrete boxes with traffic rated grates and 4" thick gravel blanket at the base. The vents should be designed to prevent surface water infiltration.

6. LEVEL OF SIGNIFICANCE AFTER MITIGATION

MM HAZ-1 would require the preparation of a SMP prior to commencement of ground disturbing activities as approved by the SCAQMD would be completed prior to construction activities and would ensure the SMP would provide instructions for appropriate actions in the event discolored or odiferous soils are discovered during grading. MM HAZ-2 through MM HAZ-4 would require abandoned oil wells and pipelines and idle oil wells present on the Housing Sites to be located, daylighted, methane gas leak tested and fitted with vent cones and risers. MM HAZ-5 would require a Methane Mitigation System to be installed below the foundations of future residential buildings on the Housing Sites which would eliminate the exposure pathway of methane and other COCs that remain on-site and would mitigate vapor intrusion ensuring the Housing Sites are safe for future residential uses. Further, MM HAZ-6 would ensure future residential uses are safe by requiring the paved areas on the Housing Sites greater than 5,000 square feet and contiguous to future residential buildings to be vented with designs to prevent surface water infiltration. Therefore, implementation of MM HAZ-1 through MM HAZ-4 would ensure potential impacts to the public or the environment through the routine transport, use or disposal of hazardous materials to a less than significant level. MM HAZ-5 and MM HAZ-6 would ensure potential impacts to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials would be less than significant.

1. INTRODUCTION

This section evaluates potential impacts concerning land use and planning that could result from the Project, including housing development on the Housing Sites. This section describes the existing environmental and regulatory settings concerning land use and planning. This section also evaluates the potential for the Project to cause significant environmental impact due to a conflict with an existing land use plan or regulation adopted to avoid or mitigate environmental effects. Housing Sites and nearby land uses will be considered in order to comprehensively evaluate the potential effect of the Project.

2. ENVIRONMENTAL SETTING

The City of Signal Hill (City) is located in the Southern California Associated Governments (SCAG) region, which is the largest metropolitan planning organization (MPO) in the country, including approximately 19 million people. The region contains six counties: Imperial County, Los Angeles County, Orange County, Riverside County, San Bernardino County, and Ventura County. Today, the region contains 6 million households and 8 million jobs. While the growth trend has slowed in recent years due to a combination of factors, the region's population continues to grow at approximately 0.85 percent annually, or by approximately 161,500 people annually. Population growth is projected to slow, but continued growth through 2045 is expected. This population growth in turn translates into continued growth for the number of households and jobs in the region.

The history of the City has long been tied to oil production since the discovery and completion of the Alamitos No. 1 well by the Shell Oil Company in 1921. The oil field runs over four miles long and one mile wide, mainly located beneath the City of Signal Hill with a portion extending in the City of Long Beach. The development suitability within the City considers the physical restrictions that exist with the pre2vious oil facilities located amongst most of the existing properties as well as policy direction which is used to encourage the protection of the City's views and historic resources.

Existing Conditions

Signal Hill Setting

Since the redevelopment of the City in 1974, there has been a focus on economic development through the addition of multiple commercial big box stores as well as several dealerships added to the Signal Hill

SCAG. Connect SoCal- The 2020-2045 RTP/SCS. https://scag.ca.gov/sites/main/files/file-attachments/0903fconnectsocal-plan_0.pdf?1606001176. March 4, 2021.

² City of Signal Hill General Plan, Environmental Resources Element, https://www.cityofsignalhill.org/DocumentCenter/View/310/Environmental-resources-element?bidId=. Accessed June 2021.

Auto Center.³ The development of the existing oil field has been a complicated factor due to the fragmented ownership pattern, leading to another focus of the redevelopment plan which is centered around improving land use patterns, housing opportunities, and the quality of architecture and design throughout the City. The existing setting within the City consists of a mix of residential, commercial, and industrial uses with pockets of industrial located near the center and eastern portion of the City and residential and commercial uses found throughout. There are a total of twelve existing parks available to residents as well as the surrounding City of Long Beach park facilities totaling 8.2 park acres per 1,000 residents.⁴ The City shares its transportation network and many other public services with the neighboring City of Long Beach. Regional access to the Project area is supported primarily by Interstate 405 (I-405) and the Pacific Coast Highway (PCH). The City's transportation system consists of roads and a variety of public transportation systems, including buses, light rail, and paratransit service, airports, and seaports.⁵ Major north-south routes within the City include Cherry and Orange Avenues; major east-west through routes include Spring and Willow Streets and Pacific Coast Highway.

The City can be divided into seven neighborhoods including: North End, Central, West Side, Civic Center, Southeast, Hilltop, and Atlantic Spring. The North End neighborhood consists mainly of medium density residential units with some light industrial uses, commercial general, open space, and public institutional uses. The Central Neighborhood consists of mostly commercial general uses with an equal amount of commercial office and general industrial uses. The West Side neighborhood includes some high density residential and medium density residential uses, commercial industrial, general industrial, and Light Industrial uses. The Civic Center neighborhood consists of a multitude of uses: low density residential, high density residential, public institutional, Town Center, light industrial, commercial office, and open space. The Southeast neighborhood includes a majority low density residential uses, some high density residential, medium density residential, with few open space designations, sparce commercial general near the Pacific Coast Highway, and light industrial, general industrial, and commercial industrial to the east of Hathaway Avenue. The Hilltop neighborhood includes low density residential uses, few open space uses, high density residential, Town Center use, and a small portion of commercial designation near Willow Street. The final neighborhood of Atlantic Spring consists of the following uses: commercial general, commercial industrial, Light Industrial, general industrial, and public institute.

³ City of Signal Hill. General Plan – Land Use Element. https://www.cityofsignalhill.org/DocumentCenter/View/309/circulation-element?bidId=. Accessed June 2021.

⁴ Los Angeles Countywide Comprehensive Park & Recreation Needs Assessment, City of Signal Hill, https://documentcloud.adobe.com/spodintegration/index.html?locale=en-us. Accessed June 2021.

⁵ City of Signal Hill. General Plan- Circulation Element. https://www.cityofsignalhill.org/DocumentCenter/View/309/circulation-element?bidId=. Accessed June 2021.

Existing Land Uses

The City of Signal Hill exists within the City of Long Beach and includes a variety of commercial, industrial, and residential land uses. In 1974, the City focused on redevelopment after two thirds of the 2.2 square miles were identified as in need of improvement due to the existing oilfields. The City focused the majority of its redevelopment on infrastructure improvements and then in the 1980's, focus was shifted towards improving economic development and affordable housing. Within the Land Use Element, the City's goals center around affordable housing development. The City's land use pattern is well established and is not anticipated to change materially over time. The City identified that the majority of development would most likely occur within vacant oil field areas and to a lesser extent in-fill development within established neighborhoods. The constraints of future development within the City surround ongoing oil field operations as well as other physical qualities that limit the extent of residential development. However, the goals and policies with the City's General Plan support the development of additional residential and commercial uses throughout the City focusing on environmental suitability of each use.

Each neighborhood within the City is described below with details about the history and existing uses.

North End

The North End neighborhood has been a well-established suburb since before the City's incorporation in 1924, when many of the dwellings were relocated to make way for petroleum exploration. The North End neighborhood is located to the north of the I-405 freeway contained by Atlantic Avenue to the west and Walnut Avenue to the east. Due to the proximity of the neighborhood to the highway infrastructure, a sound wall was constructed to alleviate the travelling vehicle noise in 1998. Today, the neighborhood is lined mostly with large shady trees and cottage homes, with relatively large lots. The neighborhood is also home to the Burroughs Elementary School and Reservoir Park. The southern half of Reservoir Park is a five-million-gallon reservoir and pump station. A minimal amount of two-story apartment buildings also exists in the neighborhood on 32nd Street near California Avenue.

Atlantic/Spring

The Atlantic/Spring Neighborhood is located between Atlantic Avenue and California Avenues and the 405-Freeway and East Willow Street. This neighborhood remained largely undeveloped until the 2000s and still retains a large portion of the remaining vacant land in the City. The availability of undeveloped land is largely a result of ongoing oil production activities from independent oil operators, contaminated

⁶ City of Signal Hill General Plan, Land Use Element, https://www.cityofsignalhill.org/85/General-Plan. Accessed June 2021.

⁷ City of Signal Hill General Plan, Land Use Element, https://www.cityofsignalhill.org/85/General-Plan. Accessed June 2021.

soils, small lots, and lack of infrastructure. Today, the neighborhood includes commercial retail and restaurants, medical offices, and Light Industrial operations.

Central

The Central Neighborhood lies south of the I-405 freeway between Temple and California Avenues. Willow Street is the southern boundary of the Central Neighborhood except that the Hathaway Tank Farm and industrial complex between Hathaway and Redondo Avenues is included in the Central Neighborhood. During the oilfield boom years from 1923 to 1965, the Central Neighborhood served as a vast storage yard for the oil field. As oil production declined, the major petroleum companies sold the land and their interests in the Signal Hill oil field and relinquished the surface rights back to property owners. Some storage yards remain in the neighborhood to this day.

Today, the neighborhood consists of primarily small size industrial lots with narrow streets and alleys. Industrial and business buildings dominate the neighborhood and benefit from the location's easy access to several freeways and a nearby airport. The area is rich with commercial services such as auto centers, auto repair shops, banking, fitness center, and trade schools.

West Side

The West Side Neighborhood is located south of East Willow Street between Orange Avenue and the abandoned Pacific Electric Railroad right-of-way. Historically, the area includes a mix of older industrial and residential land uses on small size lots with scattered oil field operations. Today, the neighborhood is characterized with mostly rental properties, some of which house more than 150 units. The neighborhood contains more rental properties as compared to other areas of the City. The neighborhood also has a mix of historical buildings, industrial buildings, and storage yards. The average income in this neighborhood is lower than the average income of the rest of the City.

Civic Center

The Civic Center Neighborhood takes its name from the many public institutions located between Cherry and Walnut Avenues and E**ast** Willow Street and the southerly City boundary along the abandoned Pacific Electric railroad right-of-way. The Civic Center neighborhood includes public service institutions including the City Hall, police station, library, and community center serving the City. Three schools are also located in the neighborhood which are the Signal Hill and Alvarado elementary schools, and the Preparatory Academy junior high school. Aside from public services and schools, the neighborhood contains a mix of older homes, contemporary condominiums, and single-family residential homes.

The retail development of the area has taken a different turn in recent years with the City shifting their focus from retail sales tax generating establishments such as Costco and Home Depot towards more neighborhood shopping venues such as grocery stores, beauty supply shop, coffee house, and restaurants.

Hilltop

The Hilltop Neighborhood is located on elevated land, as compared to the rest of the City, and enjoys panoramic views of its surrounding landscape. The boundaries of the Hilltop Neighborhood are East Willow Street on the north, 21st and 19th Streets on the south, Cherry Avenue on the west and Hathaway and Obispo Avenues on the east. Developments in the area include single- and multifamily dwellings, retail amenities at Town Center East with Costco and Home Depot, and telecommunication sites.

Current development in the Hilltop Neighborhood is largely in accordance with the Hilltop Area Specific Plan which includes a mix of single-family detached dwellings and condominium flats. Pedestrian walking trails will connect the neighborhood to parks and other neighborhoods nearby.

Southeast

The Southeast Neighborhood includes the area south of East Willow Street, west of Cherry Avenue, north of Pacific Coast Highway, and generally east of Redondo Avenue. The neighborhood went through a redevelopment effort from 1989 to 2000, with the replacement of former commercial properties along Pacific Coast Highway with new single-family homes, the removal of obsolete commercial uses, and the building of a neighborhood park. Existing land use in the neighborhood includes single- and multifamily developments, light manufacturing, warehouses, and offices.

Candidate Housing Sites

As discussed in **Section 2.0 Project Description**, Housing Sites have been chosen which are suitable and available for future residential development in order to meet the regional housing need by income level. A description of each Housing Site is provided below.

Walnut Bluff

Walnut Bluff is located in the Central neighborhood of the City, north of East Willow Street at 2653 Walnut Avenue, Signal Hill, CA 90755. The rectangular site is approximately 2 acres and borders other commercial development to the east and north, with Walnut Avenue to the east of the site and East Willow Street to the south of the site. The existing site is vacant aside from four active oil and gas wells (two of which have idle status), four abandoned wells, and limited vegetation. The Walnut Bluff Housing Site is located on

mostly vacant land occupied by *a* few buildings and active drilling rigs *and associated equipment*. North of the Housing Site, *there is a light industrial building and a newer two-story office building. The Signal Hill Police Department* located on 27th Street, is *farther north* the Signal Hill Police Department which, is , approximately 450 feet away. South of the Housing Site, adjacent to Willow Street, is mostly residential, high density with some single-family homes located on Gundry Ave. Additionally, there is a vacant parcel that has been disturbed by oil and drilling activities south of the Project site. East of the Housing Site which runs parallel to Walnut Avenue *there is an oil well drilling site surrounded by a large oil equipment storage area that is undeveloped.* is vacant, open space that is also occupied by more drilling rigs. West of the Housing Site there is a woodworking shop 2known as Interior Workshop and the LA County Office of the Assessor that is approximately 0.2 miles away. It is located parallel to Gundry Avenue north of East Willow Street.

Heritage Square

Heritage Square is located near the City center in the Civic Center neighborhood, northwest of the intersection of Cherry Avenue and Burnett Street. North of the site is Crescent Heights Street and west of the site is Rose Avenue. The area set aside for residential development is approximately 3.4 acres. The existing condition on site contains a commercial retail use (local grocer). There are eight active oil and gas wells (seven of which have idle status), ten abandoned wells, and limited vegetation. The site also contains pavement and fencing around the perimeter of each individual parcel. The Heritage Square Housing Site is located in an area that has been mostly disturbed by drilling activities. North of the Housing Site are two office buildings including shopping center which is approximately 0.1 miles away. Additionally, a health food store, Mother's Market and Kitchen, and an EVgo Charging Station exist to the north of the site. South of the Housing Site on Burnett Street is a lot of land that is mostly vacant and utilized for drilling activities. To the east is Cherry Avenue which runs parallel to the Housing Site is a Home Depot and Garden Center, which is approximately 0.2 miles away. West of the Housing Site, parallel to Rose Avenue, is another lot of mostly vacant land occupied by a drilling rig and some residential homes.

Town Center Northwest

Town Center Northwest is located northeast of the intersection of Willow Street and Walnut Avenue in the Cent2ral neighborhood. The area set aside for residential development is approximately 7.4 acres. The existing site contains one of seven drill sites in the City housing eleven injection wells (three of which have idle status). There are also approximately fourteen active oil and gas wells (9 of which have idle status) outside of the drill site area, approximately ten abandoned wells, and limited vegetation. The area outside of the fenced drill site to the east is currently used for storage of oil field related equipment. The Town Center Northwest Housing Site is parallel to the Walnut Bluff Housing Site. As mentioned, the site contains one drill site. Gaviota Avenue runs north of the Housing Site. Also north of the Housing Site is

Gregg Drilling LLC, a drilling contractor, and Ancon Services, an oil and natural gas company. South of the Housing Site, along Willow Street, is a shopping center with several amenities: grocery store, chain coffee shops, and restaurants. Immediately east of the Housing Site is another shopping center with a dollar store, takeout restaurant and a cellphone store. Along Walnut Avenue, west of the Housing Site, is the Walnut Bluff Housing Site that is mostly vacant space and a construction company.

Orange Bluff

Orange Bluff is located between Orange Avenue on the west and Gundry Avenue on the east, between East 28th Street on the north and East 27th Street where it terminates at Gundry Avenue on the south. The area set aside for residential development is approximately 7.1 acres. The existing site is mostly vacant; however, the site wraps around an existing center of the site is developed with a Light light Industrial building. There is also an existing industrial kitchen supply store and a spice warehouse on the site. The 2se existing structures would not be within the proposed residential development area and would remain on-site. Scattered about the site are remnants of previous developments including foundations, and paved areas, with limited vegetation. The Orange Bluff Housing Site is near both the Walnut Bluff and the Town Center Northwest Housing Sites. The site is fairly large and extends across several areas of commercial office and general industrial space. North of the Housing Site, along 28th Street, is a glass and mirror shop and light industrial facility. South of the Housing Site, along Willow Street, is a vacant site that historically housed the Majestic Golf Land driving range which has since been demolished. The site has been purchased by a development company who are proposing to develop a large warehouse distribution facility, a recreational facility. Gundry Avenue runs along the eastern side of the Housing Site. Located to the The northeast of ern side of the Housing Site there are has several commercial properties such as an autobody shop, auto parts store, and painters. To, while the southeastern there is side has a woodworking shop called Interior Workshop and the LA County Office of the Assessor, a tax assessor. West of the Housing Site, near the intersection of Orange Avenue and Willow Street is the Long Beach Municipal Cemetery. Northwest On the northwestern portion, towards 28th Street, is the Willow Springs Park, located in Long Beach.

3. REGULATORY SETTING

State

Housing Crisis Act of 2019 (SB 330)

The Housing Crisis Act (SB 330) was enacted by Governor Newson in 2019 as a means to combat the State's growing housing crisis. This legislation's goal is to increase California's affordable housing stock by 3.5 million new units by 2025. To streamline residential development, a new preliminary development application process is required which includes a staff-level review of basic information regarding a project such as:

- Site characteristics:
- The planned project;
- Certain environmental concerns;
- Facts related to any potential density bonus;
- Certain coastal zone-specific concerns;
- The number of units to be demolished; and
- The location of recorded public easements.

SB 330 further streamlines housing development by reducing the number of public meetings or hearings to five or less (e.g., workshops, design review board meetings, planning commission meetings, advisory committee meetings, and city council meetings). A shortened approval time of 90 days instead of 120 days from the time of certification for an EIR is also required to streamline the development approval process.

Local agencies are no longer able to remove or modify land use designations or allowances to inhibit the development of housing, unless the local agency replaces the lost housing potential; therefore, ensuring no net loss in housing availability. Further, local agencies will no longer be able to limit the annual number of housing-focused land use approvals, create caps on the amount of constructed housing units, or limit the population size of their city. Subjective design limitations on parcels where housing is an allowable use is also no longer permissible for projects that are subject to processing per SB 330 (any housing project).

Senate Bill 166 No Net Loss

SB 166 builds on existing laws and regulations to ensure a local agency meets its allocated housing units for lower and moderate-income households. This bill requires adequate housing development capacities to be available throughout the Housing Element planning period to meet the unmet RHNA needs. SB 166 prevents a local jurisdiction from permitting an identified lower and moderate-income residential housing site for development of another use or for a lower density residential development than identified in the Housing Element. If a site identified for housing development is permitted for another use or developed at a lower density which prevents the local agency from meeting its RHNA for lower and moderate income residential housing allocation numbers, the local agency must identify another site for housing development within 180 days to meet the RHNA allocation for lower and moderate income housing.⁸

4.7-8 Recirculated Draft EIR 2021-2029 Housing Element January 2022

SCAG, 6th Cycle Regional Housing Needs Assessment Estimate, 10/1/2021 – 10/1/2029. http://www.scag.ca.gov/programs/Documents/RHNA/Staff-Recommended-RHNA-Estimated-Allocations030520.pdfaccessed March 4, 2021.

Regional Plans and Regulations

SCAG 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy

SCAG is responsible for the designated Regional Transportation Plan (RTP), including its Sustainable Communities Strategy (SCS) component pursuant to SB 375. The 2020-2045 RTP/SCS, also known as Connect SoCal, was adopted by SCAG on September 3, 2020. The 2020-2045 RTP/SCS is a long-range visioning plan that builds upon and expands land use and transportation strategies established over several planning cycles to increase mobility options and achieve a more sustainable growth pattern.

Update of the 2020-2045 RTP/SCS reflects changes in economic, policy, and demographic conditions in the region. ⁹ In the SCAG region, annual growth is slowing down in concert with the national population growth trend. Population growth in the region slowed down from about 0.85 percent in 2020 to about 0.45 percent by 2045. These changes are driven by declines in fertility and affected by high housing costs in the region. The population in the region is also growing older, with a median age of 32.3 in 2000 to 35.8 in 2016. By 2045 the median age is expected to reach 39.7. Net migration to the region has also slowed over the last 30 years.

Applicable goals from the 2020-2045 RTP/SCS include:

Goal 2: Improve mobility, accessibility, reliability, and travel safety for people and goods

Goal 4: Increase person and goods movement and travel choices within the

transportation system

Goal 6: Support healthy and equitable communities

Goal 9: Encourage development of diverse housing types in areas that are supported by

multiple transportation options

Local

City of Signal Hill General Plan

California State Law requires every city and county to adopt a comprehensive General Plan to guide its future development. The adopted General Plan is a blueprint for future development and focuses on the long-term goals of the city or county. The City's General Plan includes the following elements: Land Use, Circulation, Environmental Resources, Housing, Noise, and Safety.

4.7-9 Recirculated Draft EIR 2021-2029 Housing Element January 2022

Southern California Association of Governments (SCAG), 2020-2045 Connect SoCal [2020 RTP/SCS] (adopted November 2019).

Land Use Element

The Land Use Element was adopted in 1989 and has been amended in 2001.¹⁰ The Land Use Element identifies goals and policies and includes a land use map showing the location and intensity of types of uses, such as business, industry, housing, education, public buildings, and open space. The goals and policies applicable to the proposed Project are identified below:

Goal 1: Manage growth to achieve a well-balanced land use pattern that accommodates existing and future needs for housing, commercial and industrial land, open space, and community facilities and services, while maintaining a healthy, diversified economy adequate to provide future City revenues.

Policy 1.2: Provide opportunities for a variety of residential densities and

housing styles.

Policy 1.4: Provide for density bonuses, which exceed maximum densities

specified in the land use plan and classification system, for development projects for low and very-low income or "special need" households in low, medium, and high-density land use

classifications.

Policy 1.5: The distribution and intensity of land uses shall be consistent

with the land use map and descriptions for each of the land use

categories in Section VI of the Land Use Element.

Goal 2: Ensure that new development is consistent with the City's circulation system, availability of public facilities, existing development constraints, and the City's unique characteristics and natural resources.

Policy 2.6: Encourage the development of oil field areas through the removal

or relocation of wells and pipelines, or with site plan designs that encourage the joint use of land for oil production and other urban uses while maintaining essential access to petroleum resources.

Goal 3: Assure a safe, healthy, and aesthetically pleasing community for residents and businesses.

Policy 3.3: Ensure a sensitive transition between commercial or industrial

uses and residential uses by means of such techniques as

buffering, landscaping, and setbacks.

Policy 3.4: Promote mixed-use development and ensure compatible

integration of adjacent uses to minimize conflicts.

Policy 3.5: Encourage the elimination of nonconforming uses and buildings

and limit the reuse of nonconforming buildings to less intensive

uses more compatible with the underlying zoning.

4.7-10

¹⁰ City of Signal Hill General Plan, Land Use Element (2001), https://www.cityofsignalhill.org/DocumentCenter/View/1649/FinalLandUseElement?bidId=. Accessed June 2021.

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|--------------|---|
| Policy 3.13: | Reinforce Signal Hill's image and community identity within the |
| | greater Long Beach Metropolitan area. |
| Policy 3.16: | Review and revise, as necessary, the City's development |
| | standards to improve the quality of new development and protect |
| | the public health and safety. |
| Policy 3.17: | Promote "smart growth" principles that encourage development |
| | that is economically viable, creates a sense of community, and |
| | preserves natural resources. Smart growth includes narrower |
| | streets, mixed uses, smaller setbacks, open spaces, habitat |
| | preserves and parks, infill development and compact commercial |
| | centers, and the reuse of brownfields. |
| | |

Goal 4: Ensure that future land use decisions are the result of sound and comprehensive planning.

Policy 4.1: Consider all general plan goals and policies, including those in

other general plan elements, in evaluating proposed

Maintain and enhance the quality of residential neighborhoods.

development projects for general plan consistency.

Policy 4.2: Maintain consistency between the Land Use Element, the other

elements of the general plan, the zoning ordinance, and the

Municipal Codes regulations and standards.

Policy 4.6: Develop comprehensive local and regional rather than piecemeal

planning solutions and promote long-range solutions to land use

issues.

Circulation Element

Policy 3.7:

The Circulation Element was most recently updated in 2009.¹¹ It establishes guidelines and policy direction for the development and maintenance of a comprehensive transportation system for the City. The future development of the Housing Sites would create additional low income and very low income housing for the City. The Project would be required to adhere to the general goals and policies in order to reduce the effect of increased traffic due to the creation of residential uses in the area.

The Circulation Element requires that new development must preserve and enhance the City's circulation system. The Project would be consistent with this goal by ensuring that necessary circulation system enhancements and expansions occur, and development of circulation improvements would occur as necessary to ensure safety. The Project would also minimize the environmental impact of transportation systems by encouraging infill development of vacant lots with multi-family and high density development.

¹¹ City of Signal Hill General Plan, Circulation Element, https://www.cityofsignalhill.org/DocumentCenter/View/309/circulation-element?bidId=. Accessed June 2021.

Environmental Resources Element

The Environmental Resources Element was adopted in 1986.¹² The Environmental Resources Element combines the open space and conservation elements into one document to address the long-term and comprehensive preservation and conservation of open space. It also details the conservation, development, and use of natural resources such as water, forests, soils, rivers, and mineral deposits.

The Project would be consistent with the Environmental Resources Element by managing the production of economically valuable resources in the City to balance market forces and long-term community values. The Project would revitalize vacant parcels in order to create a more balanced residential environment within the City. Generation of affordable housing opportunities within the City would create more diverse uses that would encourage growth.

Noise Element

The Noise Element was adopted in 2009 and identifies and assesses noise problems within the community and establishes guidelines to achieve noise-compatible land uses. ¹³ Noise sensitive uses can include residential, schools, hospitals, libraries, and parks. The goals and policies applicable to the proposed Project are identified below:

Goal 1: Protect the health, safety, and welfare of people living and working within the City from adverse noise impacts.

Policy 1.a: The City will consider the severity of noise exposure in the

community planning process to prevent or minimize noise

impacts to existing and proposed land uses.

Policy 1.c: Noise-sensitive land uses, including residential, transient lodging,

hospitals and long-term care facilities, educational facilities, libraries, churches, and places of public assembly will not be

located near major stationary noise sources

Safety Element

The Safety Element was adopted by the City in 1986 and updated most recently in 2016. ¹⁴ The Safety Element focuses on identifying natural or human-made hazards in the City and specifies policies and

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¹² City of Signal Hill General Plan, Environmental Resources Element, https://www.cityofsignalhill.org/DocumentCenter/View/310/Environmental-resources-element?bidId=. Accessed June 2021.

¹³ City of Signal Hill General Plan, Noise Element, https://www.cityofsignalhill.org/DocumentCenter/View/313/Noise-element?bidId=. Accessed June 2021.

¹⁴ City of Signal Hill General Plan, Safety Element, https://www.cityofsignalhill.org/DocumentCenter/View/2557/Safety-Element-2016?bidId=. Accessed June 2021.

programs to mitigate hazards to the public. See **Section 4.6: Hazards** for a consistency analysis of the proposed Project and the Safety Element.

General Plan Designations

The City's General Plan Land Use Map displays the general boundaries and patterns of land uses within the City. This map is a general guide to the amount of land and the boundaries of each land use in order for planning development among the most appropriate and consistent land use types within an area. Each land use designation is determined based on the City's specific development requirements and the physical boundaries given the City's unique characteristics.

Low Density Residential (Less than 10 dwelling units per acre)

The Low-Density Residential category allows single-family detached dwellings on individual lots, and in the Hilltop Area attached dwellings containing two to four units. Developed areas of the City that are designated as Low-Density Residential include California Crown located at Temple Avenue and 20th Street and portions of the Southeast Neighborhood located south of 21st Street.

Medium Density Residential (10 - 20 dwelling units per acre)

The Medium-Residential Density land use category includes most land in the North End and West Side Neighborhoods that are largely developed with a mix of lower density single family detached dwellings and medium density multi-family development. Vacant Medium-Residential Density land is found scattered among existing developed parcels.

High Density Residential (20 - 35 dwellings per acre)

The High-Density Residential land use category provides opportunities for multi-family development including multi-story condominiums and apartments. The High-Density Residential areas are located in the Civic Center, West Side and Hilltop Neighborhoods where there are existing high-density residential developments.

Very High Density Residential (35-45 dwellings per acre)

The Very High-Density Residential land use category has been added to the City's Generalized Land Use Map since the Land Use Element was last updated in 2001, for the purpose of accommodating affordable housing projects. The City's most recent affordable housing project, completed in 2019, called Zinnia Apartments is developed at 45 dwelling units per acre.

Town Center

The Town Center land use category is the commercial core of the City generally located at the intersection of Cherry Avenue and Willow Street. The Town Center category provides opportunity for large-scale retail stores, offices, entertainment and dining as well as neighborhood shopping centers. New development in the Town Center is guided by existing Town Center East and the Commercial Corridor Specific Plans and by the Willow/Spring/Cherry Landscape Overlay District. These plans and design guidelines promote orderly development, compatible land uses and cohesive design primarily through the design review procedure including architecture, landscape and sign plan review.

Commercial General

The Commercial General land use category is characterized by a variety of miscellaneous retail and commercial service land uses including retail sales, automotive repair, restaurants, offices, day care, nursery, technical schools and convenience stores. The Commercial General areas are located along major arterial highways including Wardlow Road (where the City of Long Beach controls the frontage, zoning and business licensing), Willow Street between Atlantic and California Avenues, Spring Street between Atlantic and California Avenues, and the Target shopping center located in the North End neighborhood at 33rd Street and California Avenue.

Commercial Office

The Commercial Office land use category provides for the development of professional offices and related supportive retail and service commercial uses. Offices permitted by this category include finance, insurance, architecture, engineering, real estate, business support services and medical or dental. New development in the Atlantic Avenue Commercial Office area should complement existing large scale medical offices. The Commercial Office area located on Walnut Avenue south of Hill Street may provide opportunity for the enlargement of the adjacent existing office complex.

Commercial Industrial

The Commercial Industrial category is intended to accommodate a combination of retail and light industrial uses. The designation applies to areas located along Willow Street and Cherry Avenue. The Commercial Industrial designation allows for mixed-use types of businesses such as manufacturing with retail sales of the manufactured product or warehousing with limited retail sales. Because the typical buildings in the Commercial Industrial category are designed and parked for light industrial use the appropriate uses should not overburden limited parking in the area but should complement the retail business along Willow Street and Cherry Avenue. Likewise, heavy industrial uses are not encouraged in the Commercial Industrial category.

Light Industrial

The Light Industrial land use category is designed to accommodate a variety of light industrial uses which are nonpolluting, and which can coexist with surrounding commercial and residential uses. Development in the Light Industrial areas should complement the existing modern industrial park development with landscaped setbacks orderly parking lots, and high-quality design buildings. When light industrial development abuts commercial or residential development special buffering or wall treatments should be incorporated into the design to minimize incompatibilities.

General Industrial

The General Industrial land use category provides opportunities for heavy industrial uses that can coexist with adjacent light industrial and commercial development. Conditionally permitted uses shall be required to demonstrate that they can operate safely and compatibly with surrounding existing and planned land uses and that they can mitigate environmental impacts. Certain heavy industrial uses are not permitted. The evaluation of conditionally permitted land uses in the General Industrial area shall consider how well the proposal addresses the aesthetic impacts on the surrounding community by incorporating landscaping, high quality architecture and setbacks into the site design.

Open Space

The Open Space category includes public parks, trails and privately owned trails/enhanced walkways when the general public has access to the use of the trail/enhanced walkway recorded as a pedestrian easement.

Public Institutional

The Public Institutional land use category is for public school sites; institutions, utility facilities and public buildings formerly included in the open space land use category. There are four existing school sites within the City far more than necessary to serve the neighborhood populations in vicinity of the schools. New Public Institutional development should reflect the public interest in high quality durable architecture and landscaping to complement existing surrounding development.

City of Signal Hill Municipal Code

Municipal codes refer to a collection of laws passed by a local governing body such as a city. These laws are enforced locally in addition to state law and federal law and cannot conflict with existing state laws and federal laws. The City of Signal Hill has a collection of laws and ordinances enacted on a local level which can be found within the Signal Hill Municipal Code. The Signal Hill Municipal Code includes topics pertaining to real estate development including Title 15-Buildings and Construction and Title 20-Zoning.

Each Specific Plan District is set forth in the Municipal Code and contains guidelines for development within the individual area.

Zoning Code

The zoning code coordinates all existing zoning regulations and provisions into one comprehensive zoning plan in order to designate, regulate, and control the location and use of buildings, structures and land for residence, commerce, trade and industry or other purposes. The zoning code regulates the dimension, number of stores, and other related components of a building, structure, or land to ensure the most appropriate use of land and to protect and promote the health, safety, and general welfare of the public. The City has six commercial zoning codes, four residential zoning codes, and the Open Space and Commercial Residential codes. The zoning codes are supplemented by a number of specific plans and districts.

Residential Zoning

Residential zoning primarily serving residential uses in the City are divided into four levels- Residential Low Density (RL), Residential Low/Medium-1 (RLM-1), Residential Low/Medium-2 (RLM-2), and Residential High Density (RH). The purpose of each type of zoning are described below.

Residential Low Density (RL): This zone is intended to provide for the orderly development and maintenance of low-density neighborhoods in accordance with the general plan. Permitted housing types include single-family detached dwellings and duplexes.

Residential Low/Medium-1 (RLM-1): This zone is intended to provide for the orderly development of low/medium density residential neighborhoods exclusively limited to small-lot subdivisions of single-family detached dwellings.

Residential Low/Medium-2 (RLM-2): This zone is intended to provide for the orderly development and maintenance of low/medium residential neighborhoods which include both single-family dwellings and duplexes.

Residential High Density (RH): This zone is intended to provide for the orderly development and maintenance of high-density residential neighborhoods in areas without physical constraints to such development and where infrastructure is adequate to support such development.

Commercial Zoning

Commercial zoning primarily serves commercial as well as industrial and residential zoning. There are six levels of commercial zoning – Commercial Residential, Commercial Office, Commercial Town Center,

Commercial General, Commercial Industrial.

Commercial Residential (CR): This zone is intended to provide for limited small scale commercial and

office uses along, or in conjunction with, medium density residential uses. Such mixed uses on a single

parcel shall be compatible and where possible, mutually supportive.

Commercial Office (CO): This zone is intended to provide for the orderly development and maintenance

of professional offices and limited commercial uses. Other permitted uses will include commercial offices,

medical offices and hospitals.

Commercial Town Center (CTC): This zone is intended to serve as a concentrated commercial core for

the city. Retail outlets typical of community shopping centers or districts along with general retail uses

and professional offices will be among the uses permitted in this district.

Commercial General (CG): This zone is intended to provide for a wide variety of service and retail uses,

many of which are highway-oriented.

Commercial Industrial (CI): This zone is intended to provide for a wide variety of commercial uses and

limited compatible light indus8trial uses. Commercial or industrial uses which might create offensive levels

of noise, air pollution, glare, radioactivity or other nuisances shall be prohibited from this district.

Industrial Zoning

Industrial zoning serves industrial zoning areas and includes two level - Light Industrial and General

Industrial.

Light Industrial (LI): This zone is designed to accommodate a variety of light industrial uses which are

nonpolluting and which can coexist with surrounding land uses. In addition, limited complimentary

commercial uses shall be permitted.

General Industrial (GI): This zone is intended to provide for the development of a variety of general

industrial and service uses which do not generate obnoxious or offensive impacts which might affect

persons residing or conducting business in the city.

City of Signal Hill 4.7-17 Recirculated Draft EIR 2021-2029 Housing Element January 2022

Specific Plan and Districts

The City utilizes Specific Plan Districts set forth in the Municipal Code zoning section to establish development standards and implementation measures for development within the individual areas. Existing Specific Plans applicable to the Housing Sites are described below.

Special Purpose Housing Specific Plan

The Special Purpose Housing Specific Plan (SP-7) includes six areas within the City each with their own general guidelines, concepts, regulations and conditions to provide for the development of housing for persons with physical disabilities. The project is intended to expand the housing opportunities available to persons with disabilities, low and very low income households, and senior housing. Some goals and objectives for this plan include the following:

- 1. Assure that a specialized population, persons with disabilities, has access to adequate and affordable housing opportunities;
- 2. Support development of dwelling units expressly designed for the special needs of disabled persons;
- 3. Assure that low-income households have access to adequate and affordable housing opportunities;
- 4. Assure that senior and family households have access to adequate and affordable housing opportunities;
- 5. Encourage the development of privately sponsored housing developments intended to be occupied by special needs populations;
- 6. Apply design standards which result in the highest quality development and achieve streetscapes with pedestrian scale and ambiance consistent with Signal Hill's small town character;
- 7. Provide architectural diversity and avoid uniformity of appearance; and
- 8. Enhance aesthetic considerations and minimize view impacts by maintaining finished grades at or below existing grades as identified on the Official 1960 Topographic Map.

Town Center West Specific Plan District

The Town Center West Specific Plan District (SP 3) establishes more detailed development proposals prepared by landowners, developers and general agencies. The SP 3 provides for integrated commercial development consistent with general plan objectives, policies, and programs. Policies include criteria for pay phones and vending machines within the district, hardscape and setbacks that are limited to driveways and walkways, and the prohibited use of commercial marijuana uses.

Heritage Square Specific Plan

The Land Use Element in the City's General Plan proposed changes in the 2001 update for the development of the Heritage Square Central Business District. This designation would include a mixed-use intensive commercial and residential specific plan added to the Commercial Town Center area located between 25th and Creston Streets and Rose and Cherry Avenues. This proposed district would be combined with the Central Business District designation allowing for the development of high intensity mixed-use space which includes retail shops, entertainment, dining, fitness center as well as high density residential development. The Heritage Square Specific Plan (SP-23) would be developed using the proposed designation in the Land Use Element and would accommodate for the Heritage Square Housing Site located near the City center in the Civic Center neighborhood, northwest of the intersection of Cherry Avenue and E. Burnett Street.

Los Angeles County Airport Land Use Plan

California State Law requires the establishment of an Airport Land Use Commission (ALUC) with the purpose of planning for areas within the vicinity of public use airports. In Los Angeles County, the Regional Planning Commission has the responsibility for acting as the ALUC and the subsequent requirements of that agency. The Los Angeles County Airport Land Use Plan (ALUP) is required by State law through the ALUC in order to protect the public, health, safety, and welfare of the surrounding areas. The Long Beach Municipal Airport (LGB) is within Los Angeles County and does not provide an individual ALUP by the City; thus, it is included in the Los Angeles County ALUP.

It is the focus of the Los Angeles County ALUP to provide for the orderly expansion of the County's public use airports and the area surrounding them. It is also intended to provide for the adoption of land use measures that will minimize the public's exposure to excessive noise and safety hazards. The ALUC does not have jurisdiction over airport operations or establishing uses within the airport vicinity, but they complement the planning responsibilities of the cities and other affected agencies. The ALUC has the responsibility to set uniform policies and standards to prohibit development of incompatible uses. However, it is the responsibility of planning commission to specify which compatible uses are appropriate within their individual jurisdictions. The LGB is owned and operated by the City of Long Beach and occupies approximately 1,166 acres just north of Interstate 405 (I-405) freeway. The City of Signal Hill is not within the influence area of the LGB. As such, the Project is not within the influence of the Los Angeles County ALUP and is not required to be consistent with the ALUP guidelines.

4. ENVIRONMENTAL IMPACTS

Thresholds of Significance

Threshold IV. LU-1: Cause a significant environmental impact due to a conflict with any land use

plan, policy, or regulation adopted for the purpose of avoiding or mitigating an

environmental effect?

Methodology

This analysis considers the CEQA Guidelines Appendix G thresholds, as described above, in determining whether the project, including future housing development facilitated by the Project, would result in impacts concerning land use and planning. The evaluation of potential land use and planning impacts is based on review of documents pertaining to the existing and candidate sites associated with the 2021-2029 Housing Element Update. The evaluation was based on a review of the existing policies and regulations to determine the consistency of the Project with existing applicable policies and regulations. These policies and regulations include those within SCAG 2020-2045 RTP/SCS, the City of Signal Hill General Plan, the Special Purpose Housing Specific Plan, the Town Center West Specific Plan District, and the Heritage Square Specific Plan.

Land Use Designation and Zoning Update

The existing zoning and land use designation of the identified Housing Sites are discussed below.

Walnut Bluff

The existing General Plan designation for the Housing Site is Commercial Industrial (3.4). The land uses designated to the north of the Project site are *Commercial* General Industrial (4.2 3.4) and Public Institutional (PI). To the east *the designation* is designated as Town Center (3.1) and the west is designated as *Commercial* General Industrial. To *The designation to* the south *across* of the Site and Willow Street is designated High Density Residential Commercial Industrial (1.3) and southeast across Willow Street is designated Town Center, and High Density Residential (1.3 3.1). The existing zoning for the site is Commercial Industrial (CI). The *nearly square* rectangular site borders other Commercial Industrial (CI) uses to the west and *north*. To the east the of the project site across Walnut Avenue the property is zoned Commercial Corridor Specific Plan (SP-6) General Industrial (GI) development to the east and north. South of the Project site across and Walnut Avenue is zoned high density residential (RH) and the uses as well as the Villagio Specific Plan (SP-16) area. East of the Project site and Walnut Street is zoned for the Commercial Corridor Specific Plan (SP-6) and General Industrial.

Designation of the site to accommodate housing would require a General Plan amendment to Very High Density Residential (35-45 dwelling units per acre) and a zone change to a Special Purpose Housing (SP-7) Specific Plan. This is the standard density and zoning used by the City for affordable housing projects.

Heritage Square

The General Plan designation is Town Center and Low Density Residential. To the north and east of the Project site lies additional Town Center designated uses. The south and west is designated as Low Density Residential with some Open Space (OS) use to the south. The existing zoning for the site is Commercial Town Center (CTC) and Crescent Heights Historic District (SP-11) Specific Plan. The Crescent Heights Historic District residential Specific Plan is directly adjacent to the west and incorporates a portion of the Project site. The north is zoned as Commercial Town Center and Commercial Corridor Specific Plan (SP-6). South of the Project site is zoned for residential low-medium (*RLM-2*).

The Land Use Element of the General Plan calls for the area to be re-designated and established as a Central Business District (CBD). Designation of the site to accommodate housing would also require a zoning ordinance amendment to the Heritage Square (SP-23) Specific Plan to allow a mixed-use commercial and residential project and a General Plan amendment to CBD.

Town Center Northwest

The General Plan designation for the Housing Site is Town Center. North of the site is designated as General Industrial. The east and south are designated as Town Center with some High Density Residential designation to the south. West of the Project site is designated as Commercial Industrial. The existing zoning for the site is Commercial Corridor Specific Plan (SP-6). South and east of the site are developed commercial retail centers named Town Center West and Town Center North. Farther zoned as SP-6 to the south the zoning is Commercial Town Center (and CTC) to the east. Zoning to To the north of the site is zoned as general industrial General Industrial (GI), use CTC and a portion of the Auto Center Specific Plan (SP-4) and zoning to. To the west of the Project site is zoned as commercial industrial Commercial Industrial (CI) use.

Designation of the site to accommodate housing would require a General Plan amendment to CBD and a zoning ordinance amendment to a Town Center Northwest (SP-**24**21) Specific Plan to allow a mixed-use commercial and residential project.

Orange Bluff

The General Plan designation is Commercial Industrial (3.4) and General Industrial. Property Toto the north is designated General Industrial (4.2). To the south and west east of the site is designated General

Industrual Commercial Industrial, and property to the west of the site is in Long Beach. East of the site is designated Commercial Industrial, General Industrial, and a small portion is designated as Public Institutional. To the south is designated as Commercial Industrial. The existing zoning for the site is Commercial Industrial (CI) and General Industrial (GI). Development north and east of the site are mostly commercial office and *light* general industrial *uses* sites, with a few intermittent vacant sites. Zoning to the north continues the General Industrial uses and to the south past Willow Street lies Commercial Industrial zoning. To the east of the Project site is General Industrial zoning, Commercial Industrial, as well as Public Institutional (PI).

The existing zoning for the site is General Industrial (GI). The General Plan designation is General Industrial. Designation of the site to accommodate housing would require a General Plan Amendment to Very High Density Residential designation and a zoning ordinance amendment to rezone the site to the Special Purpose Housing (SP-7) Specific Plan designation.

Environmental Impacts

Threshold IV. LU-1: Cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?

The Housing Element is one of the State-mandated elements a City is required to prepare as part of its General Plan. Enacted by law in 1969, the Housing Element identifies a City's housing conditions and needs using the Regional Housing Needs Assessment (RHNA) allocation provided by the regional Metropolitan Planning Organizations (MPOs), in the Project's case would be the Southern California Association of Governments (SCAG). The Housing Element then establishes the goals, objectives, policies and programs that serves as the foundation for the City's housing strategy to achieve specific housing goals and improve local housing conditions. The City is updating the Housing Element to address housing needs for the October 2021 to October 2029 Planning Period. The SCAG RHNA allocation for the City identified a housing need of 517 housing units with approximately 45 percent of the 517 units needed for very low- and low-income households. The RHNA allocation for Signal Hill includes 161 very low-income units, 78 low-income units, 90 moderate-income units, and 188 above moderate-income units. The proposed Project would accommodate for 339 above moderate units; 90 very low and low-income units; and 295 very low, low, and moderate-income units. A total of 724 units are proposed with the implementation of the Project.

City of Signal Hill 4.7-22 Recirculated Draft EIR 2021-2029 Housing Element January 2022

SCAG, 6th Cycle Final Regional Housing Needs Assessment Plan. https://scag.ca.gov/sites/main/files/file-attachments/6th-cycle-rhna-final-allocation-plan.pdf?1616462966 accessed May 2021.

This analysis evaluates the adoption of the 2021-2029 Housing Element Update (Project) and the four Housing Sites that have been identified for future housing development to meet the City's RHNA allocation. Future housing developments would be subject to the entitlement process requirements and City approval. Development of identified Housing Sites would be required to comply with applicable federal, State, and local laws and local policies and regulations consistent with the procedures applicable to new developments. This section focuses on the Housing Sites' consistency with existing land use plans and policies. The following plans have been reviewed for consistency with the 2021-2029 Housing Element Update adoption and the anticipated development of the four Housing Sites.

SCAG 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy

The 2020-2045 RTP/SCS provides goals and policies consistent with the SCAG planning vision for regional growth and a guide to collaboration with local governments in order to increase the mobility and sustainability of the area. The update of the 2020-2045 RTP/SCS reflects the changes in economic, policy, and demographic conditions in the region. The overarching goals of this plan address four core categories: economy, mobility, environment, and health/complete communities. The proposed Project would further the objectives of the plan by increasing the amount of available affordable housing within the City, which has been designated a High Quality Transit Area (HQTA).¹⁶

The 2020-2045 RTP/SCS identifies strategies and investments to support expanded housing choices for all income levels in areas with a range of transportation choices. Conclusions within the document stated that a comprehensive approach is needed in order to identify housing opportunities within Priority Growth Areas (PGAs) such as job centers, Transit Priority Areas (TPAs) found within half a mile of a major transit station, and High Quality Transit Areas (HQTAs) which include generally walkable transit oriented areas within one half-mile or a 15 minute walk of a well serviced transit stop. Additionally, under Assembly Bill 101 (AB 101) (2019) legislation, SCAG is eligible for approximately \$47 million from the California Department of Housing and Community Development (HCD). These funds will be used to develop a Regional Housing Strategy Framework and provide planning resources, grants and services to jurisdictions to implement their 6th cycle RHNA allocation, which is supportive of Connect SoCal goals and policies.

According to the 2020-2045 RTP/SCS, the Project would be consistent with the Regional Housing Strategy Framework which places an emphasis on affordable infill housing development within transit-oriented neighborhoods. The Housing Sites are all located within High Quality Transit Areas (HQTAs) according to SCAG which is considered a generally walkable transit village or corridor and is within one half-mile of a

SCAG, Data Map Book for the City of Signal Hill, Major Transit Stops and High Quality Transit Corridors, https://scag.ca.gov/sites/main/files/file-attachments/signalhill.pdf?1604903063. Accessed June 2021.

¹⁷ SCAG, 2020-2045 RTP/SCS, Ch. 6, pg. 153.

well-serviced transit stop or a transit corridor within 15-minute or less service frequency during peak hours. The Housing Sites are served by existing Long Beach Transit (LBT) bus lines along Orange Avenue and East Willow Street. Moreover, the LA Metro Willow Street station is within the vicinity of the Housing Sites. With the implementation of the proposed Project, a total of 385 very low, low, and moderate units would be create within the HQTA as well as an additional 339 above moderate units. The SCAG RHNA allocation for the City identified 329 very low, low, and moderate units with 188 above moderate income units. The proposed Project would sufficiently allocate the SCAG RHNA identified number of units for each affordability level as well as additional units and would be consistent with the goals of the 2020-2045 RTP/SCS.

Table 4.7-1: SCAG 2020-2045 RTP/SCS Analysis provides a consistency analysis of the proposed Project as compared to applicable goals and policies contained in various chapters of the plan. The analysis contained in the table demonstrates that the proposed Project would generally be consistent with the advisory and voluntary RTP/SCS Goals.

Table 4.7-1 SCAG 2020-2045 RTP/SCS Analysis

| | , , |
|--|--|
| Goals, Policies, and Strategies | Project Consistency |
| Goal 2: Improve mobility, accessibility, reliability, and travel safety for people and goods | Consistent. Future housing development facilitated by the Project would be consistent with the transportation goals for people and goods. All considered Housing Sites are located within HQTAs within the City. |
| Goal 4: Increase person and goods movement and travel choices within the transportation system | Consistent. The proposed Project would allow for more people to be located near transportation areas and create enhanced transportation availability. |
| Goal 6: Support healthy and equitable communities | Consistent. Future housing development facilitated by the Project would increase the availability of housing near transportation areas and allow for increased employment in the vicinity of these sites. |
| Goal 9: Encourage development of diverse housing types in areas that are supported by multiple transportation options | |

City of Signal Hill General Plan

Land Use Element

The General Plan policies focus largely on the continuation of developing the character of each community and neighborhood within the City and protecting the quality of the physical environment. A main objective of the Housing Element is to meet the City's housing needs, including accommodating a variety of housing types and densities. Implementation of the Housing Element and development of new housing in the City

would, for the most part, be in or adjacent to urbanized areas and are vacant for the most part. **Table 4.7- 2: Project Consistency with General Plan Land Use Element** outlines the consistency of the proposed Project with the Land Use Element goals and policies. Additionally, the proposed amendments to the General Plan would be consistent with the intent of these existing goals and policies.

While no specific development projects are proposed at this time, the Project would aim to designate the four Housing Sites as potential future development areas to provide housing to very low, low, moderate, and above moderate affordability levels. Current designation of the Housing Sites would need to be amended in order to support future housing development and become consistent with the City's General Plan and zoning code. The Walnut Bluff Site would require a General Plan amendment to Very High Density Residential (35-45 dwelling units per acre) and a zone change to a Special Purpose Housing (SP-7) Specific Plan. The Heritage Square Site re-designation calls for the area to be designated and established as a Central Business District (CBD) and would also require a zoning ordinance amendment to the Heritage Square (SP-23) Specific Plan. Town Center Northwest Site would require a General Plan amendment to CBD and a zoning ordinance amendment to a Town Center Northwest Specific Plan (SP-24SP-21) to allow a mixed-use commercial and residential project. Finally, the Orange Bluff Site would require a General Plan Amendment to Very High Density Residential designation and a zoning ordinance amendment to rezone the site to the Special Purpose Housing Specific Plan (SP-7) designation. For the Walnut Bluff and Orange Bluff Sites, a change in land use designation to Very High Density Residential would be consistent with the City's standard density used for affordable housing projects. The Heritage Square Site and the Town Center Northwest Site would be re-designated to CBD. The Commercial Business District was identified in the City's Land Use Element stemming from a need for new high-intensity commercial environment, including diverse and intensely developed pedestrian friendly mixed-use facilities. This designation would include retail, restaurants, community facilities, and residential dwellings within mixed-use structures. The Housing Sites would be consistent with the goals for this designation. Additionally, the General Plan designation map would be amended to support the adopted designation changes for each of the Housing Sites.

Anticipated development of the Housing Sites would be consistent with the General Plan, including policies and programs adopted to address environmental impacts, after the proposed amendments to the General Plan, designation map, and the zoning code. The Project would not remove or modify any policies or measures from the General Plan that are intended for environmental protection and would not conflict with any General Plan policies or measures that are intended for environmental protection. The four Housing Sites identified within the City would require General Plan amendments in order for future development to occur. The General Plan Designation Amendments would meet the objectives outlined

within the Land Use Element to establish more residential uses and also meet the philosophy, character, and quality of the existing land uses.

Table 4.7-2
Project Consistency with General Plan Land Use Element

| Goals and Policies | Project Consistency |
|--|---|
| Goal 1 Manage growth to achieve a well-balanced land use pattern that accommodates existing and future needs for housing, commercial and industrial land, open space, and community facilities and services, while maintaining a healthy, diversified economy adequate to provide future City revenues. | adequate housing is available within the City to provide for the identified housing deficit and for future housing |
| Policy 1.2 : Provide opportunities for a variety of residential densities and housing styles. | Consistent. Future development of the Housing Sites would apply a variety of housing types and residential densities. |
| Policy 1.4 : Provide for density bonuses, which exceed maximum densities specified in the land use plan and classification system, for development projects for low and very-low income or "special need" households in low, medium, and high-density land use classifications. | |
| Policy 1.5 : The distribution and intensity of land uses shall be consistent with the land use map and descriptions for each of the land use categories in Section VI of the Land Use Element. | Housing Sites in order to appropriately designate the |
| Goal 2: Ensure that new development is consistent with the City's circulation system, availability of public facilities, existing development constraints, and the City's unique characteristics and natural resources. | Sites would be assessed individually for circulation |
| Policy 2.6: Encourage the development of oil field areas through the removal or relocation of wells and pipelines, or with site plan designs that encourage the joint use of land for oil production and other urban uses while maintaining essential access to petroleum resources. | oil drilling areas within the City and would establish residential uses in these areas that are consistent with |
| Goal 3: Assure a safe, healthy, and aesthetically pleasing community for residents and businesses. | Consistent. Future development of the Housing Sites would add residential uses to areas previously lacking this use and establish enhanced neighborhoods within these areas. |
| Policy 3.3: Ensure a sensitive transition between commercial or industrial uses and residential uses by means of such techniques as buffering, landscaping, and setbacks. | Consistent. All area specific requirements for development would be adhered to with the future development of the Housing Sites among commercial and industrial uses. |
| Policy 3.4: Promote mixed-use development and ensure compatible integration of adjacent uses to minimize conflicts. | |

development of those areas.

| Goals and Policies | Project Consistency | | | | | | |
|--|---|--|--|--|--|--|--|
| Policy 3.5: Encourage the elimination of nonconforming uses and buildings and limit the reuse of nonconforming buildings to less intensive uses more compatible with the underlying zoning. | the existing communities to create a diverse blend of | | | | | | |
| Policy 3.7: Maintain and enhance the quality of residential neighborhoods. | Consistent. Future development of the Housing Sites would enforce the existing characteristics of each neighborhood so as to enhance the quality. | | | | | | |
| Policy 3.13: Reinforce Signal Hill's image and community identity within the greater Long Beach Metropolitan area. | - · · · · · · · · · · · · · · · · · · · | | | | | | |
| Policy 3.16: Review and revise, as necessary, the City's development standards to improve the quality of new development and protect the public health and safety. | | | | | | | |
| Policy 3.17: Promote "smart growth" principles that encourage development that is economically viable, creates a sense of community, and preserves natural resources. Smart growth includes narrower streets, mixed uses, smaller setbacks, open spaces, habitat preserves and parks, infill development and compact commercial centers, and the reuse of brownfields. | would encourage development that is economically viable through the increase in housing opportunities and enhancement of currently vacant sites which would increase the number of people contributing to | | | | | | |
| Goal 4: Ensure that future land use decisions are the result of sound and comprehensive planning. | Consistent. The proposed Project would encourage future housing development and would create land use patterns consistent with City goals for achieving greater housing opportunities. | | | | | | |
| Policy 4.1: Consider all general plan goals and policies, including those in other general plan elements, in evaluating proposed development projects for general plan consistency. | | | | | | | |
| Policy 4.2: Maintain consistency between the Land Use Element, the other elements of the general plan, the zoning ordinance, and the Municipal Codes regulations and standards. | to maintain consistency with existing goals and land | | | | | | |
| Policy 4.6: Develop comprehensive local and regional rather than piecemeal planning solutions and promote long-range solutions to land use issues. | | | | | | | |

Noise Element

The Noise Element provides goals and policies intended to limit the community's exposure to excessive noise levels. The predominate noise source in the vicinity of the Project area is vehicular traffic. Existing noise sensitive uses around the Walnut Bluff, Town Center Northwest, and Orange Bluff sits include Willow Springs Park, Long Beach Municipal Cemetery, and churches. Noise sensitive uses near Heritage Square include residential homes in close proximity. Future development of the Housing Sites would

require the use of heavy equipment (e.g., bulldozers, backhoes, cranes, loaders, etc.), which would generate noise on a temporary, short-term basis. Oil drilling facilities exist on each of the four Housing Sites and would need to be removed prior to the development of the sites. In the event construction activities were to occur concurrently at multiple Housing Sites in close proximity, impacts to nearby sensitive receptors can increase to a level where the impacts to surrounding sensitive receptors would be potentially significant.

Construction noise associated with future residential land uses and associated infrastructure development as a result of the Project would be temporary in nature and would vary depending on the characteristics of construction activities being performed. The proposed Project includes existing Housing Sites and future development of those Sites based on the approval of the Project. Noise generated during construction of buildings and long-term Project related noise would be regulated by the City's Noise Ordinance and other related policies. As for Project area, the Orange Bluff, Walnut Bluff, and Town Center Northwest Sites are all located within the vicinity of some industrial uses. However, the Noise Element does not identify commercial and industrial uses as a citywide noise problem, except for some isolated conflicts. Additionally, the Noise Ordinance, Zoning Ordinance, and other sections within the Municipal Code provide standards that limit noise production from these uses, such as hours of operation.

The future development of the Sites would not create substantial noise, which might conflict with existing policies in the City's Noise Element. Each Site would be assessed prior to development to ensure that consistency with surrounding uses can be achieved and protect sensitive receptors within the residential dwellings. As such, the uses within the vicinity of the Project area would be consistent with the proposed future development of residential uses. Policies within the Noise Element proposed to protect sensitive receptors and the health and safety of the public through consistent land uses would be applied to the Project, as shown in **Table 4.7-3: Project Consistency with Noise Element.**

Table 4.7-3
Project Consistency with Noise Element

| Goals and Policies | Consistency |
|---|--|
| - | Consistent. Each Housing Site would be assessed prior to development to ensure safety and consistency for sensitive receptors and surrounding uses. |
| exposure in the community planning process to | Consistent. The Housing Sites would each include residential uses which are considered sensitive and would require any noise impacts to be assessed and minimized if necessary. |
| | Consistent. Each Housing Site would be individually evaluated to determine if impacts from surrounding noise sources require mitigation. |

City of Signal Hill Municipal Code and Zoning Code

The Signal Hill Municipal Code carries out the policies of the City's General Plan by classifying and regulating the uses and development of land and structures consistent with the General Plan. The Zoning Code is adopted to encourage, classify, designate, regulate, and restrict the location of buildings and a variety of uses within the City to promote public health, safety and general welfare. The Housing Sites would be reviewed prior to any construction for consistency with the City's development standards set forth in the Municipal Code and Design Guidelines as part of the design review process. The Specific Plan Districts are set forth in the Municipal Code zoning section and contain guidelines for development within the individual area. With each Project subject to the individual Specific Plan designation upon rezoning, the Sites would be consistent with the Municipal Code and Zoning Code policies and guidelines. *The existing and proposed Specific Plans applicable to the Project are described below.*

Special Purpose Housing Specific Plan

The Special Purpose Housing Specific Plan (SP-7) includes six areas within the City each with their own general guidelines for development. The use classification of the SP-7 includes various residential designations including supplemental amenities to support those uses such as parking designations, laundry facilities, and community facilities. With the implementation of the proposed Project, two new areas would be proposed to support the future housing development within the Walnut Bluff and Orange Bluff sites.

¹⁸ City Municipal Code, Ch.20, Sec.20.02.020.

The Project would use this Specific Plan designation in order to provide housing for very low and low income households. The Walnut Bluff and Orange Bluff sites would require a zoning change to SP-7 in order to accommodate specific housing for these income levels. SP-7 zoning includes guidelines for multifamily dwelling units and accessory uses permitted such as community meeting rooms, laundry facilities on-site for use of the households, open space, carports and uncovered parking lots. Income levels above very low and low income would restricted from occupancy within this plan. Additionally, the maximum dwelling unit density would be limited to 35-45 or Very High Density Residential land use designation which would align with the SP-7 plan. Other requirements of the SP-7 zoning include building height; required setbacks; landscape materials and turf; fences, walls, and hedges; off-street parking; trash and recycling storage; signs; mechanical equipment; and utilities. These would be defined specifically within each individual site area in order to accommodate and maintain consistency within the existing land uses surrounding the future development site. Future development would not be approved via the approval of the Project and would be required to follow the development standards of the SP-7 guidelines including site plan review and building design requirements.

Town Center Northwest Specific Plan District

The Project proposes a zoning amendment for the Town Center Northwest site from Commercial Corridor Specific Plan (SP-6) to a Town Center Northwest Specific Plan (SP-24). This designation would allow for mixed-use commercial and residential projects for future development. Existing SP-6 zoning outlines provisions for property development of commercial centers but does not have allowances or standards for a mixed-use project that includes both commercial and residential uses. The rezoning of the Town Center Northwest Specific Plan will include provisions for mixed-use development. As such, the proposed Project would be consistent with the intended re-zoning to SP-24 and environmental impacts would be less than significant.

Heritage Square Specific Plan

The Project proposes a zoning amendment for the Heritage Square site to a Heritage Square Specific Plan (SP-23). This designation would allow for mixed-use commercial and residential projects for future development in accordance with the development density described in this EIR. As such, the proposed Project would be consistent with the intended re-zoning and environmental impacts would be less than significant.

The Land Use Element in the City's General Plan proposed changes in the 2001 update for the development of the Heritage Square Central Business District. This proposed district would be combined with the Central Business District designation allowing for the development of high intensity mixed-use

space which includes retail shops, entertainment, dining, fitness center as well as high density residential development. This designation would include a mixed-use intensive commercial and residential specific plan added to the Commercial Town Center area located between 25th and Creston Streets and Rose and Cherry Avenues. The Heritage Square Specific Plan (SP-23) would be developed using the proposed designation in the Land Use Element and would accommodate for the Heritage Square Housing Site located near the City center in the Civic Center neighborhood, northwest of the intersection of Cherry Avenue and E. Burnett Street. Future development of the Heritage Square Site and the Heritage Square Specific Plan (SP-23) would be required to follow the existing Municipal Code guidelines established under the SP-23 zoning and the City's General Plan.

Los Angeles County Airport Land Use Plan

As previously discussed, California State Law requires the establishment of an Airport Land Use Commission (ALUC) with the purpose of planning for areas within the vicinity of public use airports. The Los Angeles County Airport Land Use Plan (ALUP) is required by State law through the ALUC in order to protect the public, health, safety, and welfare of the surrounding areas. The Long Beach Municipal Airport (LGB) is included in the Los Angeles ALUP. The City of Signal Hill is located northeast adjacent to the Long Beach Airport Influence Area and would not be subject to the Los Angeles ALUP.

5. MITIGATION MEASURES

No mitigation measures would be required. With the proposed General Plan amendments and rezoning, the proposed Project would not result in any significant conflicts with existing land use plan, policy, or regulation.

6. LEVEL OF SIGNIFICANCE AFTER MITIGATION

Impacts would be less than significant. No mitigation measures are required.

6.0 EFFECTS FOUND NOT TO BE SIGNIFICANT

Section 15128 of the CEQA Guidelines¹ requires that an EIR "contain a statement briefly indicating the reasons that various possible significant effects of a project were determined not to be significant and therefore were not discussed in detail in the EIR." An Initial Study (see **Appendix A** of this DEIR) was prepared and released with a Notice of Preparation (NOP) in May of 2021 that included the determination that an EIR would be prepared in compliance with CEQA to analyze potentially significant impacts that may result from the Project. The Initial Study also identified topics for which effects were determined not to be significant. The following section summarizes the findings of the Initial Study for those topics that were determined not to be significant and thus were not discussed in detail within this EIR.

The corrections and revisions to the Project that were identified in the introduction to this recirculated DEIR require revision to the discussion of aesthetics that was determined not to be significant in the Initial Study. The revisions are shown below.

Aesthetics

The identified housing sites are located on infill sites as defined by Public Resource Code Section 21099 which states that aesthetic impacts of a residential or mixed-use residential project on an infill site within a transit priority area shall not be considered significant impacts on the environment. The area is considered a transit priority area (TPA) based on the SCAG map of TPAs for plan year 2045, developed for the SCAG 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) and based on the bus services of Long Beach Transit. As such, aesthetic impacts would be less than significant.

Furthermore, future housing development at the identified Housing Sites would be comparable in height to its surrounding developments, would be required to comply with the requirements of the building standards of the Signal Hill Municipal Code and would be subject to design review by the City to ensure compatibility with the surrounding area. As such, build out of the Housing Sites would not have an adverse effect on aesthetics.

The identified Housing Sites are located on infill, mostly flat sites – with minimal elevation increasing from north to south and are surrounded by a variety of commercial, industrial and residential uses. The Orange Bluff, Walnut Bluff and Town Center Northwest sites are all located within the City's Central Neighborhood where predominant uses are commercial, and they are not situated to impact views from residential neighborhoods. Each of the sites has a conceptual plan for development that includes open

² City of Signal Hill, Street Tree Ordinance. Accessed April 2021.

space, pedestrian access, and objective design elements. The Heritage Square site is directly adjacent to two residential neighborhoods, the Crescent Heights Historic District, and the Crescent Square residential development. The conceptual design and the specific plan zoning will limit the building heights to no more than three stories for the townhomes and will limit the height of the single-family dwellings fronting on Rose to two-stories which is comparable to homes in the Crescent Heights Historic District, and less than homes on the Crescent Square development. Both the Town Center Northwest project and the Heritage Square project will be reviewed under the City's Site Plan and Design Review process and will require discretionary actions by both the Planning Commission and City Council at public hearings. All design elements including building height, design and view impacts will be considered under this process. The Orange Bluff and Walnut Bluff sites will provide affordable income housing and will not be require further discretionary action beyond the adoption of the Special Purpose Housing Specific Plan zoning which will establish development standards for building height, parking, design and landscaping as examples. For these reasons, aesthetic impacts would be less than significant.

Agriculture and Forestry Resources

The City does not contain areas of Prime Farmland, Unique Farmland, Farmland of Statewide Importance, Farmland of Local Importance, Farmland of Local Potential, Grazing Land, Forest or Timberland. As such, the development of housing on the identified housing sites would have no direct or indirect effect on agriculture or forestry resources.

Biological Resources

The identified Housing Sites are disturbed sites containing scattered ruderal vegetation and ornamental trees. The General Plan Environmental Resources Element does not identify any sensitive natural communities on or within the vicinity of the Housing Sites. There are no rivers or streams and no riparian habitat or any other kind of sensitive natural community in or within the immediate vicinity of the identified Housing Sites. The lands surrounding these sites are developed with streets, light industrial, educational, residential, and commercial uses, which have disturbed and replaced natural habitat. No portions of the City are located within a habitat conservation plan, natural community conservation plan, or other approved local, regional, or State habitat conservation plan. The City of Signal Hill does have a street tree ordinance which establishes standards for the planting, removal, replacement, and maintenance of all City street trees in accordance with tree species recommendations contained in the

Street Tree Master Plan.² Development of the Sites would not conflict with this ordinance. For these reasons, impacts would be less than significant.

Hydrology and Water Quality

Housing development associated with the Project would be required to comply with the existing regulatory systems including permitting under California's WDRs and the National Pollutant Discharge Elimination System (NPDES) program. Further, the Signal Hill Municipal Code, Chapter 12.16, Storm Water/Urban Runoff, contains requirements for post-construction stormwater activities and facility operations of development and redevelopment projects to comply with the current Municipal Separate Storm Sewer System (MS4). In part, adherence requires integrating low-impact development (LID) design principles to lessen the water quality impacts of development through biofiltration, evapotranspiration, and rainfall harvest. Specifically, a LID plan would be required for each individual development project on the Housing Sites to demonstrate compliance with the provisions of the City's Municipal Code (Section 12.16.114, New development/redevelopment pollutant reduction).

Anticipated development of the Housing Sites does not include any groundwater extraction wells because all water demand would be met through piped connections to the City of Signal Hill's municipal water system. The housing sites do not feature any natural water features and are not within flood zones and are not close enough to bodies of water to be affected by Tsunami or seiche event. Based on the preceding, hydrology impacts would be less than significant.

Mineral Resources

The City's General Plan does not identify the Housing Sites as having significant mineral deposits of any kind, nor are they located in an area delineated as a mineral resource recovery site. The implementation of the Project could result in the deactivation of 26 active oil drilling wells. Given the extent of drilling activity within the Long Beach oil field, removal of the active wells on the housing sites would not result in the substantial loss of a mineral resource. As such, impacts would be less than significant.

Recreation

The Project does not include any recreational facility. However, development of the Housing Sites would add approximately 1,355 new residents to the City. The City has assessed for foreseeable increase in population in the City and increased the parks and recreation fee accordingly to account for additional

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² City of Signal Hill, Street Tree Ordinance. Accessed April 2021. https://www.cityofsignalhill.org/DocumentCenter/View/774/2011-11-1441tree-ordADOPTED?bidId=.

park land development. The City has plans to increase recreational facilities within the City limits. Implementation of the Housing Sites would not require the construction or expansion of recreational facilities outside of the existing and planned recreational facility upgrades. No adverse environmental effects are anticipated from the planned recreational facility upgrades associated with the population increase resulting from the Project.

Utilities and Service Systems

Water, wastewater treatment, storm water drainage, electric power, natural gas, and telecommunication facilities exists within the City. Future Housing associated with the Project would connect to this existing infrastructure. The City's water supplies are considered to be stable and sufficient to support expected growth that could occur over the next several years. Signal Hill sanitary sewers connect to the City of Long Beach sewer line, which flows into regional wastewater facilities maintained by the Los Angeles County Sanitation District 29. Since population growth associated with the Project is consistent with the growth projections for City, it is expected that the additional wastewater flow associated with the Project can be accommodated within existing and planned facilities. Future residential development within the City would comply with the City's solid waste reduction programs, which are designed to comply with federal, state, and local statutes and regulations related to solid waste. Based on the above, the Project would not result in significant impacts to utilities or service systems.

Wildfire

The City is not in or near a Fire Hazard Severity Zone (FHSZ), Local Responsibility Area (LRA) or State Responsibility Area (SRA). As such, the Project would not exacerbate wildfire risks or otherwise result in wildfire impacts.

APPENDIX F

Hazardous Materials Assessments



Phase II Environmental Site Assessment, Town Center Northwest

MEARNS CONSULTING LLC ENVIRONMENTAL CONSULTANTS RISK ASSESSORS

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Phase II Environmental Site Assessment Northeast Corner E. Willow St. and Walnut Avenue Town Center Northwest Signal Hill, California 90755

July 30, 2021

Prepared for:

City of Signal Hill 2175 Cherry Avenue Signal Hill, California 90755

Prepared by:

Mearns Consulting LLC 738 Ashland Avenue Santa Monica, California 90405

MEARNS CONSULTING LLC

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July 30, 2021

via email

Ms. Elise McCaleb, Economic Development Manager Ms. Colleen Doan, Community Development Director City of Signal Hill 2175 Cherry Avenue Signal Hill, Ca 90755

RE:

Phase II Environmental Site Assessment

Northeast Corner E. Willow Street and Walnut Avenue, Town Center Northwest, Signal Hill, California 90755

Dear Ms. McCaleb and Ms. Doan:

I am pleased to present this Phase II Environmental Site Assessment (Phase II ESA) the 8.35-acre site located at the northeast corner of the intersection of East Willow Street and Walnut Avenue, identified by the address 2690 Walnut Avenue, known as Town Center Northwest, in Signal Hill, Los Angeles County, California 90755 (the site) pursuant to the contract executed on November 12, 2020.

The site is an unpaved oilfield. There are 34 oil wells onsite or contiguous to the site (19 onsite and 15 within the eastern two-thirds of the Drill Site which is not a part of the project site). Operating units, a stormwater system with detention basins, swales, berms and piping currently are onsite. The site will be redeveloped as multifamily residential. A Phase I Environmental Site Assessment (Phase I ESA) conducted in May 2021 identified the site history as an oilfield since at least 1928.

Recognized Environmental Conditions onsite include: (1) the previously abandoned oil wells, (2) the historic aboveground storage tanks, (3) historic pipelines associated with the previously abandoned oil wells and/or the aboveground storage tanks, (4) historic sumps associated with the previously abandoned and/or operating oil wells, (5) the storage of 55-gallon containers of used oil, (6) retail-sized containers of motor oil, (7) 5-gallon buckets of oil, (8) residue in catch basins, (9) gasoline containers, (10) surface staining, (11) transformers, (12) forklifts and (13) the northeastern corner drainage are Recognized Environmental Conditions.

The results of this Phase II ESA indicate a human health risk assessment should be prepared to address the detected concentrations of carbon chains, metals volatile organic compounds and semivolatile organic compounds in site soils and volatiles in the vapor phase that exceed their respective environmental screening level thresholds.

Should you have any questions or desire additional information, please contact me at your earliest convenience at 310.403.1921.

Sincerely,

Kevin M. Clark PG #8573

x Susan Mearns

Susan L. Mearns, Ph.D.

KEVIN M. CLARK No. 8573

Mearns Consulting LLC

MEARNS CONSULTING LLC

ENVIRONMENTAL CONSULTANTS
RISK ASSESSORS

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Phase II Environmental Site Assessment
Northeast Corner of E. Willow Street and Walnut Avenue
Town Center Northwest
Signal Hill, California 90755

Background

Pursuant to the authorization of Ms. Colleen Doan (Community Development Director, City of Signal Hill) on November 12, 2020 and to comply with the City of Signal Hill Project Development Guide (2020) Mearns Consulting LLC performed a Phase I Environmental Site Assessment (Phase I ESA) the 8.35–acre site located at the northeast corner of the intersection of East Willow Street and Walnut Avenue, known as Town Center Northwest, in Signal Hill, Los Angeles County, California 90755 (the site) in May 2021.

The Phase I ESA had the following conclusions:

- The historical use of the site is an oil field. There are 34 oil wells onsite or contiguous to the site (19 onsite and 15 within the eastern two-thirds of the Drill Site which is not a part of the project site). Operating units, a stormwater system with detention basins, swales, berms and piping currently are onsite.
- Recognized Environmental Conditions onsite include: (1) the previously abandoned oil wells, (2) the historic aboveground storage tanks, (3) historic pipelines associated with the previously abandoned oil wells and/or the aboveground storage tanks, (4) historic sumps associated with the previously abandoned and/or operating oil wells, (5) the storage of 55-gallon containers of used oil, (6) retail-sized containers of motor oil, (7) 5-gallon buckets of oil, (8) residue in catch basins, (9) gasoline containers, (10) surface staining, (11) transformers, (12) forklifts and (13) the northeastern corner drainage are Recognized Environmental Conditions.
- The adjacent properties include commercial/industrial businesses, an oilfield and multifamily residences. The adjacent oilfield and operating units are Potential Recognized Environmental Conditions that may impact the site. The contiguous former Dico Oil Company property with a LURA designation from DTSC also is a Potential Recognized Environmental Condition that may impact the site.
- The adjacent properties include oilfields, operating units and commercial/industrial businesses. The
 adjacent oilfields and operating units are Potential Recognized Environmental Conditions that may impact
 the site.

The Phase I ESA had the following recommendations:

Pursuant to the City of Signal Hill Project Development Guide (2020) and the City of Signal Hill Oil and Gas Code (2015) a Phase II Environmental Site Assessment (Phase II ESA) should be performed. The Phase II ESA should include soil matrix and soil vapor sampling adjacent to the previously abandoned oil wells, the historic locations of the aboveground storage tanks, the historic locations of the sumps, the surface staining and within the footprint of the proposed multifamily units.

A baseline human health risk assessment should be performed with the data generated from the Phase II ESA.

A methane assessment should be performed in accordance with the City of Signal Hill Oil and Gas Code §16.24.080.

The previously abandoned oil wells should be daylighted and leak tested pursuant to the City of Signal Hill Oil and Gas Code §16.24.030 and §16.24.040

Piping runs should be identified and removed.

A soil management plan should be prepared prior to any grading activities to be conducted onsite. This soil management plan should provide instructions for the contractor to implement in the event discolored or odiferous soils are discovered during any grading operations.

Phase II ESA

Based on the conclusions, including the identification of Recognized Environmental Conditions, of the Phase I ESA, and the City of Signal Hill Project Development Guide (June 2020) Mearns Consulting LLC conducted a Phase II ESA.

The primary objectives of this Phase II ESA were to conduct soil matrix and soil vapor sampling at the areas identified onsite as Recognized Environmental Conditions and to provide data for use in a baseline Human Health Risk Assessment.

Mearns Consulting LLC delineated the work areas with white spray paint and notified Underground Service Alert to clear public utility lines as required by law on June 30, 2021, at least two business days prior to boring activities conducted on July 13 and 14, 2021 (ticket number B211810092-00B).

Prior to drilling, all locations were excavated to a minimum depth of 5-feet bgs using a hand auger to prevent damage to possible unidentified subsurface utilities.

Kehoe Testing & Engineering, Inc. advanced the borings using a Geoprobe 7800 direct push rig. The sampling system was appropriately cleaned between each borehole. Rinsate generated from cleaning was appropriately disposed.

Mearns Consulting LLC collected soil matrix samples pursuant to SW846 from 19 locations (SV1-SV19) at depths of 5-feet below ground surface (bgs), 10-feet bgs and 15-feet bgs. Soil samples were collected in acetate sleeves with plastic end caps with minimal headspace, labeled and logged onto a chain-of-custody form and stored in a cooler at 4°C until delivered under chain of custody to Sierra Analytical Labs (a State of California Department of Health Services ELAP accredited laboratory; ELAP No. 2320). Analyses requested were carbon chain ranges C4-C12, C13-C23, C23-C40 via USEPA method GC/FID 8015B, total threshold limit concentration (TTLC) metals and hexavalent chromium via USEPA methods 6000/7000, volatile organic compounds via USEPA 8260B, collected via USEPA 5035B in the field by placing 5g of soil into volatile organic analyte vials to which preservative had been added and semi-volatile organic compounds via USEPA 8270C. Soil matrix analytical results are included as Appendix A.

These soil borings were then developed as dual-nested soil vapor probes at 5-feet and 15-feet bgs (SV1-SV19) in accordance with *Final Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (Vapor Intrusion Guidance)*, DTSC, October 2011, the *Advisory Active Soil Gas Investigations*, DTSC, LARWQCB, SFRWQCB, July 2015 and the DRAFT Supplemental Guidance Screening and Evaluating Vapor Intrusion (CalEPA, DTSC, SWRCB February 2020).

A new section of ¼-inch diameter nylaflow tubing with a new 6-inch stainless steel probe tip at the terminal end was inserted into the borehole to the desired sampling depth. One-inch diameter polyvinyl chloride (PVC) casing was used as a guide for the tubing to ensure that the desired sampling depth was achieved. Sand was poured into the boring annulus to form an approximately one-foot long sand pack around the probe tip, at which time the PVC

piping was withdrawn. Approximately one foot of dry, granular bentonite was placed atop the sand pack and the remainder of the borehole was backfilled with hydrated bentonite to the ground surface to form a seal. The sampling end of the tubing was fitted with a three-way valve and the probe was labeled for identification.

Soil gas samples were collected in general accordance with the July 2015 DTSC and LARWQCB) "Advisory – Active Soil Gas Investigations."

Each probe was allowed to equilibrate for a minimum of 48-hours after installation prior to sampling by a mobile laboratory. Soil vapor samples were collected in glass gas-tight syringes equipped with Teflon plungers. A tracer gas mixture of n-pentane, n-hexane, and n-heptane was placed at the tubing-surface interface before sampling. These compounds were analyzed during the 8260B analytical run to determine if there were surface leaks into the subsurface due to improper installation of the probe. The sampling rate was approximately 200 cc/min, except when noted differently on the chain of custody record, using a glass gas-tight syringe. Purging was completed using a pump set at approximately 200 cc/min, except when noted differently on the chain of custody record. A default of three purge volumes was used as recommended by July 2015 DTSC/RWQCB guidance documents. Prior to purging and sampling of soil vapor at each location, a shut-in test was conducted to check for leaks in the aboveground fittings. The shut-in test was performed on the aboveground apparatus by evacuating the line to a vacuum of 100 inches of water, sealing the entire system and watching the vacuum for at least one minute. A vacuum gauge attached in parallel to the apparatus measured the vacuum. If there is any observable loss of vacuum, the fittings were adjusted as needed until the vacuum did not change noticeably. The soil gas sample was then collected. No flow conditions occur when a sampling rate greater than 10 mL/min cannot be maintained without applying a vacuum greater than 100 inches of water to the sampling train. The sampling train is left at a vacuum for no less than three minutes. If the vacuum does not subside appreciably after three minutes, the sample location is determined to be a no flow sample.

Forty soil vapor samples, including three duplicates, were collected from these soil vapor probes by a Jones Environmental, Inc. (ELAP 2882) chemist and analyzed in a mobile laboratory on July 27 and 28, 2021. Three duplicates, one per 10 soil vapor samples, were collected and analyzed by the chemist. One deep probe SV19 was unable to be set at 15-feet bgs due to oily conditions. Soil vapor analytical results are included as Appendix B.

All drilling, logging and sampling activities were conducted by or under the direct supervision of a California-Professional Geologist, and in accordance with California Well Standards presented in the Department of Water Resources (DWR) Bulletins 74-81 and 74-90. The Site Geology section and boring logs were prepared by Mr. Scott R. Fagan, a State of California Professional Geologist PG #4289. Boring logs are included as Appendix C.

Site Geology - The site is located on the west flank of the Signal Hill uplift created by lateral movement on the Cherry Hill Fault (CHF) (part of the Newport Inglewood fault zone). The CHF is located north of the site and the site overlies the Gardena Syncline, an east-west trending down-fold of the local stratigraphy.

The surface sediments are Recent Alluvium consisting of sand, silt and clay which overlie the Lakewood Formation. Borings are logged as predominantly silt and clay with thin sections of sand.

The Gaspur Aquifer is the first groundwater below the site, below any boring depths achieved during drilling activities. No groundwater was detected in any soil boring.

Soil Matrix Analytical Results – Carbon chains C4-C12 were detected eight times in 57 soil matrix samples at a concentrations ranging from 0.052 mg/kg to 2,600 mg/kg; four detected concentrations: 1,100 mg/kg, 2,600 mg/kg, 510 mg/kg and 1,500 mg/kg exceed the screening threshold of 82 mg/kg. Carbon chains C13-C22 were detected 12 times in 57 soil matrix samples at concentrations ranging from 34 mg/kg to 2,500 mg/kg; five detected concentrations exceeded the screening threshold of 97 mg/kg. Carbon chains C23-C40 were detected 15 times in

57 soil matrix samples at concentrations ranging from 35 mg/kg to 2,200 mg/kg; none of these detected concentrations were greater than the screening threshold of 2,400 mg/kg (Table 1 and Figure 4).

The following metals were detected in concentrations greater than their respective reporting limits: arsenic, barium, cobalt, trivalent chromium, copper, lead, nickel, selenium, vanadium and zinc (Table 1 and Figure 4). A detected concentration of arsenic, 20 mg/kg, exceeded the screening threshold.

The volatile organic compounds (VOCs) benzene, n-butylbenzene, sec-butylbenzene, tert-butylbenzene, ethylbenzene, isopropylbenzene (cumene), methyl tert-butyl ether (MTBE), naphthalene, n-propylbenzene, m,p-xylenes and o-xylene were detected in concentrations greater than their respective reporting limits (Table 3 and Figure 5). Detected concentrations of naphthalene exceed the screening limit.

Semi-volatile organic compounds (SVOCs) acenaphthene, anthracene, benzo(a)anthracene, 2,4-dinitrophenol, chrysene, 4,6-dinitro-2-methylphenol, 2,4-dinitrotoluene, 2,6-dinitrotoluene, fluorene, 2-methylnaphthalene, naphthalene, 4-nitroaniline, n-nitrosodi-n-propylamine, phenanthrene and pyrene were detected in the soil matrix at concentrations greater than their respective reporting limits. Detected concentrations of benzo(a)anthracene, 2,6-dinitrotoluene and naphthalene exceeded their respective screening levels (Table 4 and Figure 5).

Soil Vapor Analytical Results – The VOCs, benzene, n-butylbenzene, sec-butylbenzene, cis-1,2-dichloroethene, di-isopropylether, ethylbenzene, isopropylbenzene (cumene), 4-isopropyltoluene (cymene), methylene chloride, naphthalene, n-propylbenzene, tetrachloroethene, toluene, total xylenes and gasoline range organics (GRO) were detected in concentrations greater than their respective reporting limits in the vapor phase (Table 5 and Figure 6). All of these volatiles were detected at concentrations that exceeded their respective screening thresholds. The greatest detected concentration of benzene, 8,850 micrograms per cubic meter (μ g/m³) was detected at SV7-15 adjacent to a previously abandoned oil well and along a pipeline corridor. Generally concentrations of volatiles in the vapor phase increased with depth.

Conclusions

Carbon chains, C4-C12, C13-C22, C23-C40, metals VOCs and SVOCs were detected in the soil matrix. Sixteen volatile organic compounds were detected in the vapor phase in soil vapor underlying the site (Table 5 and Figure 6).

The carbon chains C4-C12 and C13-C22 were detected at concentrations greater than their respective screening thresholds (Table 1 and Figure 4). Arsenic was detected at concentrations greater than the screening threshold (Table 1 and Figure 4). Three VOCs/SVOCs in the soil matrix exceeded their respective screening thresholds. Seventeen volatile organic compounds in the vapor phase were detected at concentrations that exceeded their respective screening thresholds (Tables 3-5 and Figures 5 and 6).

Recommendations

As the proposed future development for the site is residential, a human health risk assessment is warranted based on the results of this Phase II ESA. The human health risk assessment should include an evaluation of potential health impacts to future residential, commercial and construction workers.

References

Department of Toxic Substances Control (DTSC). June 2020. HERO Note 3, DTSC Modified Screening Levels.

Mearns Consulting LLC. May 27, 2021. Phase I Environmental Site Assessment, Northeast Corner of E. Willow Street and Walnut Avenue, Town Center Northwest, Signal Hill, California 90755. Two volumes.

San Francisco Bay Regional Water Quality Control Board. 2019. Rev. 2. Environmental Screening Levels, Tier 1.

Sierra Analytical Labs, Inc. April 2005 and July 2021. Background metals soil matrix analytical results Spud Field.

USEPA. May 2021. Regional Screening Levels.

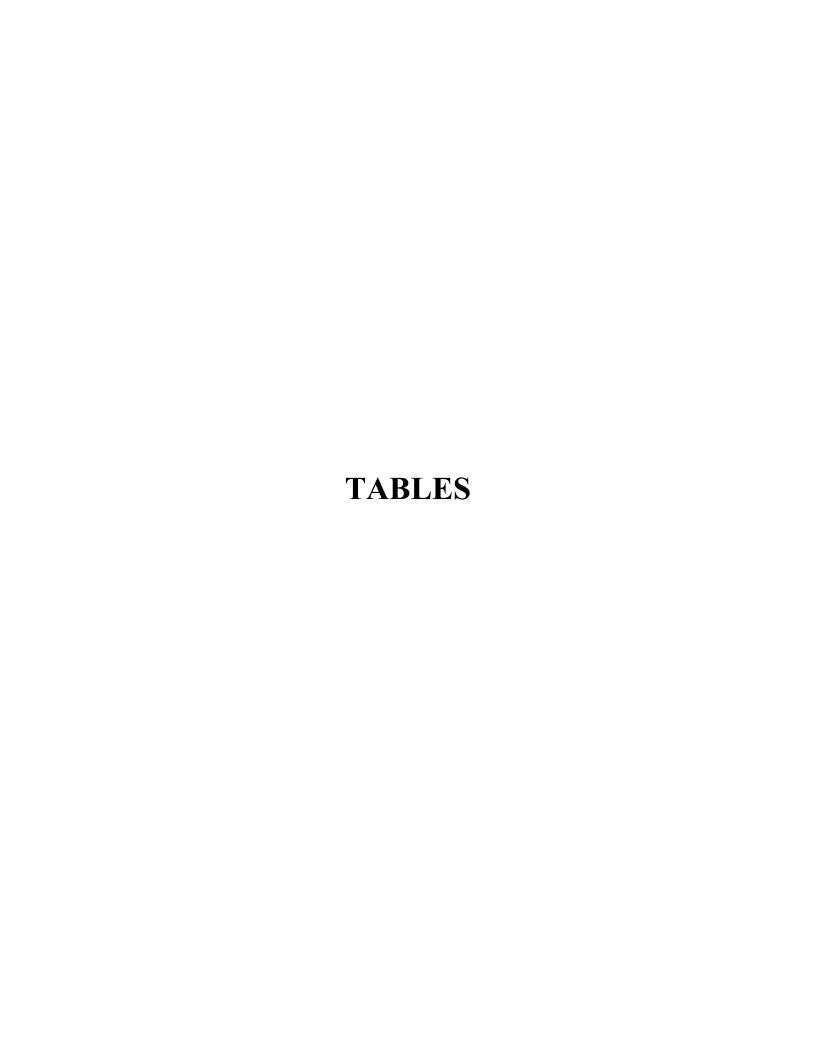


Table 1 - TPH and Metals Analytical Results in Soil Matrix

| SAMPLE | DATE | As | Ba | Со | Cr | Cu | Ni | Pb | Se | V | Zn | C4-C12 | C13-C22 | C23-C40 |
|------------|-----------|-------|---------|-------|-----------|--------|--------|-------|-------|-------|---------|---------|---------|-----------|
| ID | SAMPLED | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg |
| RSLr | | 0.68 | 15,000 | 23 | 120,000 | 3,100 | | 400 | 390 | 390 | 23,000 | 82 | 97 | 230,000 |
| DTSC-SLr | | 0.11 | · | | 36,000 | | 820 | 80 | | 390 | | | 97 | 2,400 |
| RSLi | | 3 | 220,000 | 350 | 1,800,000 | 47,000 | | 800 | 5,800 | 5,800 | 350,000 | 420 | 560 | 3,500,000 |
| DTSC-SLi | | 0.36 | | | 170,000 | | 11,000 | 320 | | 1,000 | | | 500 | 18,000 |
| ESL Tier 1 | | 0.067 | 390 | 23 | 120,000 | 180 | 86 | 32 | 2.4 | 18 | 340 | | | |
| SV1-5 | 7/12/2021 | < 5.5 | 68 | 5.4 | 9.8 | 8.8 | 6.4 | <7.1 | < 6.9 | 15 | 27 | < 0.05 | <5 | <5 |
| SV1-10 | 7/12/2021 | < 5.5 | 77 | 7.1 | 21 | 20 | 12 | <7.1 | < 6.9 | 24 | 42 | < 0.05 | <5 | <5 |
| SV1-15 | 7/12/2021 | < 5.5 | 45 | <3.3 | 7 | <5 | 3.6 | <7.1 | < 6.9 | 6.6 | 22 | < 0.05 | <5 | <5 |
| SV2-5 | 7/12/2021 | < 5.5 | 74 | 5.5 | 11 | 13 | 6.2 | <7.1 | < 6.9 | 13 | 28 | < 0.042 | <5 | 35 |
| SV2-10 | 7/12/2021 | < 5.5 | 82 | 9.3 | 18 | 18 | 12 | <7.1 | < 6.9 | 31 | 36 | < 0.045 | <5 | <5 |
| SV2-15 | 7/12/2021 | < 5.5 | 81 | 6.6 | 21 | 14 | 11 | <7.1 | < 6.9 | 28 | 36 | < 0.05 | <5 | <5 |
| SV3-5 | 7/12/2021 | < 5.5 | 67 | 5.6 | 12 | 11 | 4.3 | <7.1 | < 6.9 | 18 | 25 | < 0.042 | <5 | <5 |
| SV3-10 | 7/12/2021 | < 5.5 | 50 | 6.4 | 18 | 17 | 9.5 | <7.1 | < 6.9 | 31 | 34 | < 0.05 | <5 | <5 |
| SV3-15 | 7/12/2021 | < 5.5 | 32 | 3.7 | 8.3 | 6.2 | 5 | <7.1 | < 6.9 | 18 | 18 | < 0.05 | <5 | <5 |
| SV4-5 | 7/12/2021 | < 5.5 | 63 | 8.2 | 13 | 14 | 8 | <7.1 | < 6.9 | 25 | 26 | < 0.05 | <5 | <5 |
| SV4-10 | 7/12/2021 | < 5.5 | 40 | 4.6 | 14 | 12 | 7 | <7.1 | < 6.9 | 21 | 25 | < 0.05 | <5 | <5 |
| SV4-15 | 7/12/2021 | < 5.5 | 26 | 3.7 | 8.1 | 6.8 | 5.7 | <7.1 | < 6.9 | 14 | 20 | < 0.05 | <5 | <5 |
| SV5-5 | 7/12/2021 | < 5.5 | 82 | 8.1 | 18 | 17 | 10 | <7.1 | < 6.9 | 34 | 34 | < 0.05 | <5 | <5 |
| SV5-10 | 7/12/2021 | < 5.5 | 47 | 5.1 | 12 | 11 | 7.8 | <7.1 | < 6.9 | 21 | 24 | < 0.05 | <5 | <5 |
| SV5-15 | 7/12/2021 | < 5.5 | 61 | 6.1 | 14 | 15 | 8.8 | <7.1 | < 6.9 | 28 | 30 | < 0.05 | <5 | <5 |
| SV6-5 | 7/13/2021 | < 5.5 | 83 | 7.6 | 14 | 14 | 8.5 | <7.1 | < 6.9 | 24 | 28 | < 0.05 | <5 | <5 |
| SV6-10 | 7/13/2021 | < 5.5 | 66 | 6.4 | 21 | 16 | 12 | <7.1 | < 6.9 | 31 | 40 | < 0.05 | <5 | <5 |
| SV6-15 | 7/13/2021 | < 5.5 | 42 | 4.3 | 9.4 | 9 | 6.4 | <7.1 | < 6.9 | 14 | 27 | < 0.05 | <5 | <5 |
| SV7-5 | 7/13/2021 | < 5.5 | 73 | 7.2 | 16 | 13 | 11 | 7.2 | < 6.9 | 27 | 34 | < 0.062 | <5 | <5 |
| SV7-10 | 7/13/2021 | < 5.5 | 50 | 6.6 | 13 | 11 | 7.6 | <7.1 | < 6.9 | 19 | 25 | < 0.071 | <5 | <5 |
| SV7-15 | 7/13/2021 | < 5.5 | 37 | 3.6 | 10 | 8.4 | 6.7 | <7.1 | < 6.9 | 16 | 20 | < 0.05 | <5 | <5 |
| SV8-5 | 7/13/2021 | < 5.5 | 30 | <3.3 | 5.7 | 7.8 | 4 | 19 | < 6.9 | 9.1 | 26 | < 0.042 | <5 | <5 |
| SV8-10 | 7/13/2021 | < 5.5 | 58 | 10 | 12 | 11 | 7.8 | <7.1 | < 6.9 | 21 | 25 | < 0.05 | <5 | <5 |
| SV8-15 | 7/13/2021 | < 5.5 | 50 | 4.6 | 17 | 12 | 9.8 | <7.1 | < 6.9 | 19 | 29 | < 0.05 | <5 | <5 |
| SV9-5 | 7/13/2021 | < 5.5 | 3100 | 5.1 | 26 | 31 | 20 | 24 | < 6.9 | 28 | 73 | < 0.067 | 110 | 550 |
| SV9-10 | 7/13/2021 | < 5.5 | 77 | 6.2 | 17 | 12 | 8.3 | <7.1 | < 6.9 | 23 | 27 | < 0.043 | <5 | 50 |
| SV9-15 | 7/13/2021 | < 5.5 | 110 | 10 | 30 | 17 | 16 | <7.1 | < 6.9 | 33 | 45 | < 0.05 | <5 | <5 |
| SV10-5 | 7/13/2021 | < 5.5 | 650 | 10 | 25 | 31 | 24 | 42 | < 6.9 | 36 | 100 | < 0.084 | 510 | 650 |
| SV10-10 | 7/13/2021 | < 5.5 | 49 | 4.9 | 10 | 8.3 | 6 | <7.1 | < 6.9 | 16 | 20 | < 0.05 | <5 | 52 |
| SV10-15 | 7/13/2021 | < 5.5 | 81 | 11 | 21 | 15 | 13 | <7.1 | < 6.9 | 36 | 42 | < 0.05 | <5 | <5 |
| SV11-5 | 7/13/2021 | < 5.5 | 150 | 10 | 19 | 21 | 15 | 17 | < 6.9 | 29 | 60 | < 0.05 | <5 | 160 |
| SV11-10 | 7/13/2021 | < 5.5 | 130 | 8.5 | 15 | 10 | 8.1 | <7.1 | < 6.9 | 23 | 28 | < 0.05 | 39 | 200 |
| SV11-15 | 7/13/2021 | < 5.5 | 64 | 6 | 19 | 11 | 11 | <7.1 | < 6.9 | 23 | 31 | < 0.05 | <5 | <5 |
| SV12-5 | 7/13/2021 | < 5.5 | 83 | 5.4 | 12 | 7.8 | 6.4 | <7.1 | < 6.9 | 18 | 23 | < 0.07 | <5 | <5 |
| SV12-10 | 7/13/2021 | < 5.5 | 46 | 5.4 | 10 | 6.7 | 5.7 | <7.1 | < 6.9 | 16 | 20 | < 0.05 | <5 | <5 |
| SV12-15 | 7/13/2021 | < 5.5 | 32 | 3.3 | 7 | <5 | 4.5 | <7.1 | < 6.9 | 9.2 | 16 | < 0.05 | <5 | <5 |
| SV13-5 | 7/13/2021 | < 5.5 | 83 | 7.1 | 15 | 9.8 | 8.7 | <7.1 | < 6.9 | 23 | 31 | < 0.05 | <5 | <5 |

Table 1 - TPH and Metals Analytical Results in Soil Matrix

| SAMPLE | DATE | As | Ba | Co | Cr | Cu | Ni | Pb | Se | V | Zn | C4-C12 | C13-C22 | C23-C40 |
|------------|-----------|-------|---------|-------|-----------|--------|--------|-------|-------|-------|---------|---------|---------|-----------|
| ID | SAMPLED | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg |
| RSLr | | 0.68 | 15,000 | 23 | 120,000 | 3,100 | | 400 | 390 | 390 | 23,000 | 82 | 97 | 230,000 |
| DTSC-SLr | | 0.11 | | | 36,000 | | 820 | 80 | | 390 | | | 97 | 2,400 |
| RSLi | | 3 | 220,000 | 350 | 1,800,000 | 47,000 | | 800 | 5,800 | 5,800 | 350,000 | 420 | 560 | 3,500,000 |
| DTSC-SLi | | 0.36 | | | 170,000 | | 11,000 | 320 | | 1,000 | | | 500 | 18,000 |
| ESL Tier 1 | | 0.067 | 390 | 23 | 120,000 | 180 | 86 | 32 | 2.4 | 18 | 340 | | | |
| SV13-10 | 7/13/2021 | <5.5 | 100 | 5.7 | 21 | 13 | 10 | <7.1 | < 6.9 | 26 | 37 | < 0.05 | <5 | <5 |
| SV13-15 | 7/13/2021 | < 5.5 | 46 | 4.5 | 12 | 8 | 7 | <7.1 | < 6.9 | 16 | 26 | < 0.05 | <5 | <5 |
| SV14-5 | 7/13/2021 | < 5.5 | 50 | 4.7 | 11 | 7.4 | 5.9 | <7.1 | < 6.9 | 15 | 22 | < 0.05 | <5 | <5 |
| SV14-10 | 7/13/2021 | < 5.5 | 88 | 5.6 | 22 | 12 | 9.1 | 26 | < 6.9 | 17 | 61 | 0.21 | 53 | 180 |
| SV14-15 | 7/13/2021 | < 5.5 | 38 | 3.8 | 12 | 6.9 | 6.4 | <7.1 | < 6.9 | 13 | 28 | < 0.05 | <5 | <5 |
| SV15-5 | 7/13/2021 | < 5.5 | 110 | 4.9 | 12 | 9 | 6.7 | <7.1 | < 6.9 | 19 | 28 | < 0.06 | <5 | <5 |
| SV15-10 | 7/13/2021 | < 5.5 | 79 | 7.8 | 16 | 13 | 12 | <7.1 | < 6.9 | 26 | 38 | < 0.056 | <5 | <5 |
| SV15-15 | 7/13/2021 | < 5.5 | 64 | 4.9 | 11 | 6.9 | 7.7 | <7.1 | < 6.9 | 16 | 26 | < 0.065 | <5 | <5 |
| SV16-5 | 7/13/2021 | < 5.5 | 160 | 7.4 | 17 | 20 | 11 | 19 | < 6.9 | 24 | 63 | < 0.058 | 190 | 500 |
| SV16-10 | 7/13/2021 | < 5.5 | 130 | 11 | 24 | 27 | 16 | 27 | < 6.9 | 36 | 86 | < 0.063 | <5 | <5 |
| SV16-15 | 7/13/2021 | < 5.5 | 720 | 8 | 23 | 37 | 16 | 61 | < 6.9 | 28 | 90 | 0.26 | 150 | 200 |
| SV17-5 | 7/13/2021 | 20 | 88 | 6.7 | 18 | 47 | 17 | 57 | < 6.9 | 21 | 180 | 0.052 | 34 | 650 |
| SV17-10 | 7/13/2021 | < 5.5 | 170 | 9.2 | 20 | 21 | 13 | 12 | < 6.9 | 28 | 61 | < 0.05 | <5 | 79 |
| SV17-15 | 7/13/2021 | < 5.5 | 240 | 16 | 35 | 35 | 19 | 12 | 7.4 | 47 | 120 | < 0.05 | <5 | 78 |
| SV18-5 | 7/13/2021 | < 5.5 | 110 | 8.2 | 18 | 16 | 12 | 14 | < 6.9 | 28 | 66 | < 0.10 | 110 | 600 |
| SV18-10 | 7/13/2021 | < 5.5 | 94 | 9.8 | 18 | 14 | 12 | <7.1 | < 6.9 | 32 | 40 | 1100 | 1300 | 2200 |
| SV18-15 | 7/13/2021 | < 5.5 | 100 | 7.7 | 25 | 16 | 16 | <7.1 | < 6.9 | 35 | 54 | 0.48 | <5 | <5 |
| SV19-5 | 7/13/2021 | < 5.5 | 74 | 6.9 | 14 | 11 | 11 | <7.1 | < 6.9 | 24 | 33 | 2600 | 2400 | <250 |
| SV19-10 | 7/13/2021 | < 5.5 | 66 | 7.3 | 17 | 12 | 12 | <7.1 | < 6.9 | 23 | 35 | 510 | 590 | 270 |
| SV19-15 | 7/13/2021 | < 5.5 | 46 | 5.2 | 10 | 7.8 | 8.1 | <7.1 | < 6.9 | 15 | 28 | 1500 | 2500 | 530 |
| Notes: | | • | | | | • | | | | • | | | | |

Notes:

mg/kg = milligram per kilogram

As = arsenic, Ba = barium, Co = cobalt, Cr = trivalent chromium, Cu = copper, Ni = nickel, Pb = lead, Se = selenium, V = vanadium, Zn = zinc

<5.5 = concentration is less than the Reporting Limit (5.5), i.e., not detected (ND)

SV1-5 = Soil Boring1, 5-feet below ground surface (bgs).

BOLD = value exceeds the DTSC or USEPA screening level

Analytical results are included as Appendix A

Soil was collected from 5-feet, 10-feet bgs and 15-feet bgs from the same boring.

Only detected concentrations of metals are presented in this table. All other metals were ND.

ESL Tier 1 = San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels 2019 (Rev. 2)

RSLr = USEPA Regional Screening Level for residential soils, RSLi = USEPA Regional Screening Levels for industrial soils (May 2021)

DTSC SLr = CalEPA DTSC Screening Level for residential soils, DTSC SLi = CalEPA DTSC Screening Level for industrial soils (June 2020)

carcinogenic values were preferentially used for all screening levels, except nickel and TPH

DTSC SL C17-C32, aromatic high and USEPA aromatic high values were used for C23-C40

DTSC SL C9-C16, aromatic medium and USEPA aromatic medium values were used for C13-C22

Table 2 - Background Metals Analytical Results in Soil Matrix

| SAMPLE | DATE | As | Ba | Co | Cr | Cu | Ni | Pb | Se | V | Zn |
|------------|----------|-------|---------|-------|-----------|--------|--------|-------|-------|-------|---------|
| ID | SAMPLED | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg |
| RSLr | | 0.68 | 15,000 | 23 | 120,000 | 3,100 | | 400 | 390 | 390 | 23,000 |
| DTSC-SLr | | 0.11 | | | 36,000 | | 820 | 80 | | 390 | |
| RSLi | | 3 | 220,000 | 350 | 1,800,000 | 47,000 | | 800 | 5,800 | 5,800 | 350,000 |
| DTSC-SLi | | 0.36 | | | 170,000 | | 11,000 | 320 | | 1,000 | |
| ESL Tier 1 | | 0.067 | 390 | 23 | 120,000 | 180 | 86 | 32 | 2.4 | 18 | 340 |
| Offsite-1 | 4/4/2005 | 5.2 | 97 | 8.1 | 21 | 25 | 12 | 12 | <1.9 | 35 | 62 |
| Offsite-5 | 4/4/2005 | 12 | 160 | 17 | 50 | 64 | 30 | 8.1 | <1.9 | 75 | 99 |
| Offsite-10 | 4/4/2005 | 12 | 170 | 14 | 32 | 35 | 22 | 5.6 | <1.9 | 58 | 67 |
| Offsite-20 | 4/4/2005 | 14 | 73 | 17 | 35 | 80 | 22 | 10 | <1.9 | 67 | 95 |
| SB1-5 | 7/6/2021 | < 5.5 | 84 | 11 | 36 | 40 | 21 | 8.8 | < 6.9 | 46 | 54 |
| SB2-5 | 7/6/2021 | < 5.5 | 69 | 9.3 | 21 | 26 | 15 | <7.1 | < 6.9 | 36 | 39 |
| SB3-5 | 7/6/2021 | <5.5 | 48 | 4.6 | 9 | 16 | 6.2 | <7.1 | < 6.9 | 16 | 29 |
| SB4-5 | 7/6/2021 | < 5.5 | 170 | 14 | 42 | 45 | 26 | 9.5 | < 6.9 | 58 | 74 |
| SB5-5 | 7/6/2021 | < 5.5 | 97 | 16 | 30 | 40 | 27 | 8.5 | < 6.9 | 52 | 56 |
| SB6-5 | 7/6/2021 | < 5.5 | 130 | 22 | 42 | 46 | 33 | 11 | < 6.9 | 71 | 85 |
| SB7-5 | 7/6/2021 | < 5.5 | 80 | 12 | 24 | 26 | 19 | <7.1 | < 6.9 | 43 | 47 |
| SB8-5 | 7/6/2021 | < 5.5 | 180 | 17 | 38 | 37 | 32 | 11 | < 6.9 | 68 | 51 |
| SB9-5 | 7/6/2021 | <5.5 | 87 | 14 | 30 | 28 | 24 | 9 | < 6.9 | 54 | 38 |
| SB10-5 | 7/6/2021 | < 5.5 | 98 | 13 | 27 | 30 | 23 | 7.5 | < 6.9 | 51 | 39 |
| SB11-5 | 7/6/2021 | < 5.5 | 120 | 9.8 | 22 | 14 | 16 | <7.1 | < 6.9 | 39 | 31 |

Notes:

mg/kg = milligram per kilogram

As = arsenic, Ba = barium, Co = cobalt, Cr = trivalent chromium, Cu = copper, Ni = nickel, Pb = lead, Se = selenium, V = vanadium, Zn = zinc <5.5 = concentration is less than the Reporting Limit (5.5), i.e., not detected (ND)

SB1-5 = Soil Boring1, 5-feet below ground surface (bgs).

Analytical results are included as Appendix B

ESL Tier 1 = San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels 2019 (Rev. 2)

RSLr = USEPA Regional Screening Level for residential soils, RSLi = USEPA Regional Screening Levels for industrial soils (May 2021)

DTSC SLr = CalEPA DTSC Screening Level for residential soils, DTSC SLi = CalEPA DTSC Screening Level for industrial soils (June 2020) carcinogenic values were preferentially used for all screening levels, except nickel

Table 3 - VOCs Analytical Results in Soil Matrix

| | | | | | | | | er | | | | |
|--------------------|------------------------|--------------|----------------|------------------|-------------------|--------------|-------------------|-------------------------|-------------|-----------------|--------------|-------------------|
| | | | | | | | | Methyl tert-butyl ether | | | | |
| | | | e | ne | tert-Butylbenzene | | Isopropylbenzene | tyl | | ne | | |
| | | | n-Butylbenzene | sec-Butylbenzene | enz | ne | zue | nq- | e | n-Propylbenzene | | |
| | | | en | lbe | ylb | nze | y lb(| tert | ılen | lbe | ene | 43 |
| | | Benzene | tylk | uty | 3ut, | Ethylbenzene | ido. | y 11 | Naphthalene | ppy | m,p-Xylene | o-Xylene |
| G + 3 5 D 7 77 | | enz | Bu | c-B | I. | thy] | opr | eth | aph | Pro | d, | Xy |
| SAMPLE ID | DATE SAMPLED | | | | | | | | | | | _ |
| RSLr | SAMI LED | mg/kg 1.2 | mg/kg 3,900 | 7,800 | 7,800 | mg/kg 5.8 | mg/kg 1,900 | mg/kg 47 | mg/kg 2 | mg/kg 3,800 | mg/kg 550 | mg/kg 650 |
| DTSC-SLr | | 0.33 | 2,400 | 2,200 | 2,200 | 5.0 | 1,900 | 7/ | 2 | 3,800 | 330 | 050 |
| RSLi | | 5.1 | 58,000 | 120,000 | 120,000 | 25 | 9,900 | 210 | 8.6 | 24,000 | 2,400 | 2,800 |
| DTSC-SLi | | 1.4 | 18,000 | 12,000 | 12,000 | | | | 6.5 | | | |
| ESL Tier 1 | | 0.025 | | | | 0.43 | | 0.028 | 0.042 | | 2.1 | 2.1 |
| SV1-5 | 7/12/2021 | < 0.0045 | < 0.0045 | < 0.0045 | < 0.0045 | < 0.0045 | | < 0.0045 | < 0.0045 | < 0.0045 | < 0.0045 | < 0.0045 |
| SV1-10 | 7/12/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV1-15 | 7/12/2021 7/12/2021 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 <0.0042 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 |
| SV2-5 SV2-10 | 7/12/2021 | < 0.0042 | <0.0042 | < 0.0042 | < 0.0042 | < 0.0042 | < 0.0042 | < 0.0042 | < 0.0042 | < 0.0042 | < 0.0042 | <0.0042 |
| SV2-10 | 7/12/2021 | < 0.0039 | < 0.0039 | < 0.0039 | < 0.0039 | < 0.0039 | < 0.0039 | < 0.0039 | < 0.0039 | < 0.0039 | < 0.0039 | < 0.0039 |
| SV3-5 | 7/12/2021 | < 0.0042 | < 0.0042 | < 0.0042 | < 0.0042 | < 0.0042 | < 0.0042 | < 0.0042 | < 0.0042 | < 0.0042 | < 0.0042 | < 0.0042 |
| SV3-10 | 7/12/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV3-15 | 7/12/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV4-5 | 7/12/2021 | <0.005 | <0.005 | <0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | <0.005 | < 0.005 | <0.005 | <0.005 |
| SV4-10 | 7/12/2021 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | < 0.005 | <0.005 | <0.005 | <0.005 | <0.005 | < 0.005 |
| SV4-15 SV5-5 | 7/12/2021 7/12/2021 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 |
| SV5-10 | 7/12/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV5-15 | 7/12/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV6-5 | 7/13/2021 | < 0.0058 | < 0.0058 | < 0.0058 | < 0.0058 | < 0.0058 | < 0.0058 | < 0.0058 | < 0.0058 | < 0.0058 | < 0.0058 | < 0.0058 |
| SV6-10 | 7/13/2021 | < 0.0099 | < 0.0099 | < 0.0099 | < 0.0099 | < 0.0099 | < 0.0099 | < 0.0099 | < 0.0099 | < 0.0099 | < 0.0099 | < 0.0099 |
| SV6-15 | 7/13/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV7-5 | 7/13/2021 | <0.006 | <0.006 | <0.006 | <0.006 | <0.006 | <0.006 | <0.006 | <0.006 | <0.006 | <0.006 | <0.006 |
| SV7-10 SV7-15 | 7/13/2021 7/13/2021 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 |
| SV8-5 | 7/13/2021 | < 0.003 | < 0.003 | < 0.003 | < 0.003 | < 0.003 | < 0.003 | < 0.003 | < 0.003 | < 0.003 | < 0.003 | < 0.003 |
| SV8-10 | 7/13/2021 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 |
| SV8-15 | 7/13/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV9-5 | 7/13/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV9-10 | 7/13/2021 | < 0.005 | <0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV9-15 SV10-5 | 7/13/2021 7/13/2021 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | < 0.005 | <0.005 | < 0.005 | <0.005 | <0.005 <0.0056 |
| SV10-3 SV10-10 | 7/13/2021 | < 0.0036 | < 0.0056 | < 0.0056 | < 0.0036 | < 0.0056 | < 0.0056 | < 0.005 | < 0.0036 | < 0.0056 | < 0.005 | < 0.0036 |
| SV10-15 | 7/13/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV11-5 | 7/13/2021 | < 0.0056 | < 0.0056 | < 0.0056 | < 0.0056 | < 0.0056 | | | | < 0.0056 | < 0.0056 | |
| SV11-10 | 7/13/2021 | < 0.0058 | | | | | | | < 0.0058 | < 0.0058 | < 0.0058 | |
| SV11-15 | 7/13/2021 | < 0.0064 | < 0.0064 | < 0.0064 | < 0.0064 | < 0.0064 | < 0.0064 | < 0.0064 | < 0.0064 | < 0.0064 | < 0.0064 | < 0.0064 |
| SV12-5 | 7/13/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV12-10 SV12-15 | 7/13/2021 7/13/2021 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 <0.005 |
| SV12-13 SV13-5 | 7/13/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV13-10 | 7/13/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV13-15 | 7/13/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV14-5 | 7/13/2021 | < 0.0056 | | | | | | | < 0.0056 | < 0.0056 | < 0.0056 | |
| SV14-10 | 7/13/2021 | < 0.0059 | < 0.0059 | < 0.0059 | < 0.0059 | 0.023 | < 0.0059 | | < 0.0059 | < 0.0059 | 0.11 | 0.043 |
| SV14-15 | 7/13/2021 | <0.0057 | <0.0057 | < 0.0057 | < 0.0057 | | | | <0.0057 | < 0.0057 | <0.0057 | |
| SV15-5 SV15-10 | 7/13/2021 7/13/2021 | <0.0087 | <0.0087 | <0.0087 | <0.0087 | <0.0087 | <0.0087 | <0.0087 | <0.0087 | <0.0087 | <0.0087 | <0.0087 |
| SV15-10 SV15-15 | 7/13/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.006 |
| SV15-15 | 7/13/2021 | < 0.003 | | | < 0.0064 | | | < 0.0064 | | < 0.0064 | | < 0.003 |
| | - /=- | | | | | | | | | | | |

Table 3 - VOCs Analytical Results in Soil Matrix

| SAMPLE ID | DATE SAMPLED | m Syl Benzene | m ^{gg} n-Butylbenzene ^{gg} | 프 ^{RS} sec-Butylbenzene ^{RS} | m Refert-Butylbenzene References | ա Թ Fthylbenzene | 프 ^{RS} Isopropylbenzene ^{RS} | 프 전 제 제 Methyl tert-butyl ether | ա Թ Տո Naphthalene | 프 ^{RS} n-Propylbenzene ^{RS} | m % m,p-Xylene a | m Ng 0-Xylene |
|--------------|-----------------|------------------|--|--|--|------------------------|--|---|-----------------------------|---|------------------------|------------------|
| RSLr | | 1.2 | 3,900 | 7,800 | 7,800 | 5.8 | 1,900 | 47 | 2 | 3,800 | 550 | 650 |
| DTSC-SLr | | 0.33 | 2,400 | 2,200 | 2,200 | | | | 2 | | | |
| RSLi | | 5.1 | 58,000 | 120,000 | 120,000 | 25 | 9,900 | 210 | 8.6 | 24,000 | 2,400 | 2,800 |
| DTSC-SLi | | 1.4 | 18,000 | 12,000 | 12,000 | | | | 6.5 | | | |
| ESL Tier 1 | | 0.025 | | | | 0.43 | | 0.028 | 0.042 | | 2.1 | 2.1 |
| SV16-10 | 7/13/2021 | < 0.0067 | < 0.0067 | < 0.0067 | < 0.0067 | < 0.0067 | < 0.0067 | < 0.0067 | < 0.0067 | < 0.0067 | < 0.0067 | < 0.0067 |
| SV16-15 | 7/13/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.014 | < 0.005 | < 0.005 | < 0.005 |
| SV17-5 | 7/13/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV17-10 | 7/13/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV17-15 | 7/13/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV18-5 | 7/13/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV18-10 | 7/13/2021 | 0.0081 | 0.0052 | 0.035 | 0.005 | 0.023 | 0.031 | < 0.005 | 0.036 | 0.035 | < 0.005 | < 0.005 |
| SV18-15 | 7/13/2021 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 |
| SV19-5 | 7/13/2021 | < 0.005 | 1 | < 0.005 | < 0.005 | < 0.005 | 3 | 1.2 | 7.7 | 5.7 | < 0.005 | < 0.005 |
| SV19-10 | 7/13/2021 | < 0.0069 | < 0.0069 | 0.068 | 0.012 | < 0.0069 | 1 | 14 | < 0.69 | 1.6 | 0.0075 | < 0.0069 |
| SV19-15 | 7/13/2021 | < 0.5 | 1.7 | < 0.5 | < 0.5 | < 0.5 | 1.7 | 12 | 13 | 4.1 | < 0.5 | < 0.5 |

Notes:

mg/kg = milligram per kilogram

<0.005 = concentration is less than the Reporting Limit (0.005), i.e., not detected (ND)

SV1-5 = Soil Boring1, 5-feet below ground surface (bgs).

BOLD = value exceeds the DTSC or USEPA screening level

Analytical results are included as Appendix A

Soil was collected from 5-feet, 10-feet bgs and 15-feet bgs from the same boring.

Only detected concentrations of VOCs are presented in this table. All other VOCs were ND.

ESL Tier 1 = San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels 2019 (Rev. 2)

RSLr = USEPA Regional Screening Level for residential soils, RSLi = USEPA Regional Screening Levels for industrial soils (May 2021)

DTSC SLr = CalEPA DTSC Screening Level for residential soils, DTSC SLi = CalEPA DTSC Screening Level for industrial soils (June 2020)

carcinogenic values were preferentially used for all screening levels

Table 4 - SVOCs Analytical Results in Soil Matrix

| Acenaphthene Anthracene Benzo (a) anthracene 2,4-Dinitrophenol Chrysene 4,6-Dinitrotoluene 2,4-Dinitrotoluene 2,6-Dinitrotoluene | | , 2-Methylnaphthalene , Naphthalene | | , N-Nitrosodi-n-propylamine Phenanthrene | , Pyrene |
|--|------------|--|--------|---|----------|
| ID SAMPLED mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg | | ng/kg mg/kg | | g/kg mg/kg | mg/kg |
| | / | 240 2 190 2 | 27 0. | .078 | 1,800 |
| 2,000 | | ,000 8.6 | 110 0 | 0.33 | 23,000 |
| | | ,300 6.5 | | .21 | 13,000 |
| ESL Tier 1 12 1.9 0.63 3 0.023 | | 0.88 0.042 | 7. 0 | 7.8 | 45 |
| SV1-5 7/12/2021 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0 | <0.33 <0 | 0.33 < 0.33 | < 0.33 | 0.33 < 0.33 | < 0.33 |
| SV1-10 7/12/2021 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 | < 0.33 < 0 | 0.33 < 0.33 | | 0.33 < 0.33 | < 0.33 |
| SV1-15 7/12/2021 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 | | 0.33 < 0.33 | | 0.33 < 0.33 | < 0.33 |
| SV2-5 7/12/2021 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 | | 0.33 < 0.33 | | 0.33 < 0.33 | < 0.33 |
| SV2-10 7/12/2021 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 | | 0.33 < 0.33 | | 0.33 < 0.33 | <0.33 |
| SV2-15 7/12/2021 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 < | | 0.33 < 0.33 | | 0.33 < 0.33 | < 0.33 |
| SV3-5 7/12/2021 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0 | | 0.33 < 0.33 | | 0.33 < 0.33 | <0.33 |
| SV3-10 7/12/2021 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 | | 0.33 < 0.33 0.33 < 0.33 | | 0.33 < 0.33 0.33 < 0.33 | <0.33 |
| SV4-5 7/12/2021 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0 | | 0.33 < 0.33 | | 0.33 < 0.33 | <0.33 |
| SV4-10 7/12/2021 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 < | | 0.33 < 0.33 | | 0.33 < 0.33 | <0.33 |
| SV4-15 7/12/2021 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 < | | 0.33 < 0.33 | | 0.33 < 0.33 | <0.33 |
| SV5-5 7/12/2021 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 | | 0.33 < 0.33 | | 0.33 < 0.33 | < 0.33 |
| SV5-10 7/12/2021 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 | | 0.33 < 0.33 | | 0.33 < 0.33 | < 0.33 |
| SV5-15 7/12/2021 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 | | 0.33 < 0.33 | | 0.33 < 0.33 | < 0.33 |
| SV6-5 7/13/2021 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 | | 0.33 < 0.33 | < 0.33 | 0.33 < 0.33 | < 0.33 |
| SV6-10 7/13/2021 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 | <0.33 <0 | 0.33 < 0.33 | < 0.33 | 0.33 < 0.33 | < 0.33 |
| SV6-15 7/13/2021 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 < | | 0.33 < 0.33 | < 0.33 | 0.33 < 0.33 | < 0.33 |
| SV7-5 7/13/2021 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 | | 0.33 < 0.33 | | 0.33 < 0.33 | < 0.33 |
| SV7-10 7/13/2021 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 | | 0.33 < 0.33 | | 0.33 < 0.33 | < 0.33 |
| SV7-15 7/13/2021 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 | | 0.33 < 0.33 | | 0.33 < 0.33 | < 0.33 |
| SV8-5 7/13/2021 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0 | | 0.33 < 0.33 | | 0.33 < 0.33 | <0.33 |
| SV8-10 7/13/2021 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 | | 0.33 < 0.33 | | 0.33 < 0.33 | <0.33 |
| | | 0.33 < 0.33 0.33 < 0.33 | | 0.33 < 0.33 0.33 < 0.33 | <0.33 |
| | | 0.33 < 0.33 | | | |
| | | 0.33 < 0.33 | | | |
| SV10-5 7/13/2021 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 | | | | 0.33 < 0.33 | |
| | | 0.33 < 0.33 | | | |
| | <0.33 <0 | 0.33 < 0.33 | < 0.33 | 0.33 < 0.33 | < 0.33 |
| | <0.33 <0 | 0.33 < 0.33 | < 0.33 | 0.33 < 0.33 | < 0.33 |
| | | 0.33 < 0.33 | | | |
| | | 0.33 < 0.33 | | | |
| | | 0.33 < 0.33 | | | |
| | | 0.33 < 0.33 | | | |
| | | 0.33 < 0.33 | | | |
| | | 0.33 < 0.33 0.33 < 0.33 | | | |
| | | 0.33 < 0.33 | | | |
| | | 0.33 < 0.33 | | | |
| | | 0.33 < 0.33 | | | |
| | | 0.33 < 0.33 | | | |
| | | 0.33 < 0.33 | | | |
| SV15-10 7/13/2021 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 | | 0.33 < 0.33 | | | |
| SV15-15 7/13/2021 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 <0.33 | <0.33 <0 | 0.33 < 0.33 | < 0.33 | 0.33 < 0.33 | < 0.33 |

July 30, 2021 Mearns Consulting LLC

Table 4 - SVOCs Analytical Results in Soil Matrix

| SAMPLE ID | DATE SAMPLED | គ្ន ខ្មុ ភ្ | म ज्ञे ज्ञे | జ 음 জ জ | a ក្នុ 2,4-Dinitrophenol | ա Թ Ծ | ធ្នូ 4,6-Dinitro-2-methylphenol | ធ្នូ 2,4-Dinitrotoluene | 표 전 A 2,6-Dinitrotoluene | m % Fluorene | គ្ន ភ្នំ 2-Methylnaphthalene | m % Naphthalene % | ធ្ន ក្នុ វក្ស | ଞ୍ଚୁ N-Nitrosodi-n-propylamine ନ | ធ្ល ក្នុ p | ^{ba} Pyrene |
|--------------|-----------------|-------------------|-------------------|------------------|-----------------------------|-------------|------------------------------------|----------------------------|--------------------------------|--------------------|---------------------------------|----------------------------|---------------------|-------------------------------------|------------------|----------------------|
| RSLr | | 3,600 | 18,000 | 1.1 | 130 | 110 | 5.1 | 1.7 | 0.36 | 2,400 | 240 | 2 | 27 | 0.078 | | 1,800 |
| DTSC-SLr | | 3,300 | 17,000 | | | | | | | 2,300 | 190 | 2 | | | | |
| RSLi | | 45,000 | 230,000 | 21 | 1,600 | 2,100 | | 7.4 | 1.5 | 30,000 | 3,000 | 8.6 | 110 | 0.33 | | 23,000 |
| DTSC-SLi | | 23,000 | 130,000 | 12.0 | 1,100 | 1,300 | 42 | 4.7 | 0.99 | 17,000 | 1,300 | 6.5 | 74 | 0.21 | | 13,000 |
| ESL Tier 1 | | 12 | 1.9 | 0.63 | 3 | | | 0.023 | | 6 | 0.88 | 0.042 | | | 7.8 | 45 |
| SV16-5 | 7/13/2021 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 |
| SV16-10 | 7/13/2021 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 |
| SV16-15 | 7/13/2021 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 |
| SV17-5 | 7/13/2021 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 |
| SV17-10 | 7/13/2021 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 |
| SV17-15 | 7/13/2021 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 |
| SV18-5 | 7/13/2021 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 |
| SV18-10 | 7/13/2021 | < 0.33 | 0.82 | < 0.33 | 0.92 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | 2.2 | 0.44 | < 0.33 | < 0.33 | 0.77 | < 0.33 |
| SV18-15 | 7/13/2021 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 |
| SV19-5 | 7/13/2021 | < 0.33 | 2.1 | < 0.33 | < 0.33 | < 0.33 | 0.4 | 1.1 | 1.2 | 1.1 | 12 | 5.2 | 0.85 | 0.91 | 2 | 0.87 |
| SV19-10 | 7/13/2021 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 |
| SV19-15 | 7/13/2021 | 1.6 | 1.1 | 1.3 | < 0.33 | 1.5 | < 0.33 | < 0.33 | < 0.33 | 3 | < 0.33 | 4 | < 0.33 | < 0.33 | 9.7 | 8.5 |

Notes:

mg/kg = milligram per kilogram

<0.005 = concentration is less than the Reporting Limit (0.005), i.e., not detected (ND)

SV1-5 = Soil Boring1, 5-feet below ground surface (bgs).

BOLD = value exceeds the DTSC or USEPA screening level

Analytical results are included as Appendix A

Soil was collected from 5-feet, 10-feet bgs and 15-feet bgs from the same boring.

Only detected concentrations of SVOCs are presented in this table. All other SVOCs were ND.

ESL Tier 1 = San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels 2019 (Rev. 2)

RSLr = USEPA Regional Screening Level for residential soils, RSLi = USEPA Regional Screening Levels for industrial soils (May 2021)

DTSC SLr = CalEPA DTSC Screening Level for residential soils, DTSC SLi = CalEPA DTSC Screening Level for industrial soils (June 2020)

carcinogenic values were preferentially used for all screening levels

July 30, 2021 Mearns Consulting LLC

Table 5 - Soil Vapor Analytical Results

| SAMPLE ID | DATE SAMPLED | , B. Benzene | 편 B. n-Butylbenzene | 표 를 sec-Butylbenzene | 로 cis-1,2-Dichloroethene | 편 로 Di-isopropylether | Ethylbenzene | 편 를 Isopropylbenzene | 로 4-Isopropyltoluene | ਨੂੰ B. Methylene chloride | ỗ. 로. Methyl tert-butyl ether | R. Naphthalene | 편 B. n-Propylbenzene | 편 로 Tetrachloroethene | 표 Je Toluene | g m,p-Xylenes | o-Xylene | ਸੂੰ Gasoline Range Organics (GRO) |
|--------------|-----------------|-----------------|------------------------|-------------------------|--------------------------|--------------------------|--------------|-------------------------|----------------------|------------------------------|----------------------------------|----------------|-------------------------|--------------------------|-----------------|---------------|----------|-----------------------------------|
| RSLr | | 0.36 | | | | 730 | 1.1 | 420 | | 100 | 11 | 0.83 | 1,000 | 11 | 5,200 | 100 | 100 | 31 |
| DTSC-SLr | | 0.097 | 210 | 420 | 8.3 | | | | | 1 | | | | 0.46 | 83 | | | |
| RSLi | | 1.6 | | | | | 4.9 | 1,800 | | 1,200 | 47 | 0.36 | 4,400 | 47 | 22,000 | 440 | 440 | 130 |
| DTSC-SLi | | 0.42 | 880 | 1,800 | 35 | 3,100 | | | | 12 | | | | 2 | 350 | | | |
| ESL Tier 1 | | 3.2 | | | 280 | | 37 | | | 34 | 360 | 2.8 | | 15 | 10,000 | 3,500 | 3,500 | 3,300 |
| SV1-5 | 7/27/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | <8 | <8 | <16 | <8 | <2,000 |
| SV1-15 | 7/27/2021 | 13 | <12 | <12 | <8 | <40 | <8 | 57 | 321 | 20 | <40 | <40 | <8 | <8 | 16 | <16 | <8 | 25,000 |
| SV2-5 | 7/27/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | <8 | <8 | <16 | <8 | <2,000 |
| SV2-15 | 7/27/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | 17 | <40 | <40 | <8 | <8 | <8 | <16 | <8 | <2,000 |
| SV2-15 REP | 7/27/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | 26 | <40 | <40 | <8 | <8 | <8 | <16 | <8 | <2,000 |
| SV3-5 | 7/27/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 18 | <8 | <16 | <8 | <2,000 |
| SV3-15 | 7/27/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | 8 | <40 | <40 | <8 | 17 | <8 | <16 | <8 | <2,000 |
| SV4-5 | 7/27/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 22 | <8 | <16 | <8 | <2,000 |
| SV4-15 | 7/27/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 12 | <8 | <16 | <8 | <2,000 |
| SV5-5 | 7/27/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | <8 | <8 | <16 | <8 | <2,000 |
| SV5-15 | 7/27/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | 9 | <40 | <40 | <8 | <8 | <8 | <16 | <8 | <2,000 |
| SV6-5 | 7/27/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 17 | <8 | <16 | <8 | <2,000 |
| SV6-15 | 7/27/2021 | 243 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 8 | <8 | <16 | <8 | 317,000 |
| SV7-5 | 7/27/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | <8 | <8 | <16 | <8 | <2,000 |
| SV7-15 | 7/27/2021 | 8,850 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | <8 | 4,210 | 799 | 441 | 46,300,000 |
| SV8-5 | 7/27/2021 | 20 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 23 | 15 | <16 | <8 | <2,000 |
| SV8-15 | 7/27/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | <8 | <8 | <16 | <8 | <2,000 |
| SV9-5 | 7/27/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | <8 | <8 | <16 | <8 | <2,000 |
| SV9-15 | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 34 | 13 | <16 | <8 | <2,000 |
| SV9-15 REP | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 34 | 14 | <16 | <8 | <2,000 |
| SV10-5 | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 9 | <8 | <16 | <8 | <2,000 |
| SV10-15 | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 8 | <8 | <16 | <8 | <2,000 |
| SV11-5 | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 24 | <8 | <16 | <8 | <2,000 |
| SV11-15 | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | <8 | <8 | <16 | <8 | <2,000 |
| SV12-5 | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 8 | <8 | <16 | <8 | <2,000 |
| SV12-15 | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 9 | <8 | <16 | <8 | <2,000 |

July 30, 2021 Mearns Consulting LLC

Table 5 - Soil Vapor Analytical Results

| SAMPLE ID | DATE SAMPLED | हैं. डे. Benzene | 편 를 n-Butylbenzene | 를 sec-Butylbenzene | F. cis-1,2-Dichloroethene | ਨੂੰ B <u>,</u> Di-isopropylether | 表 로 Ethylbenzene | हूँ । Sopropylbenzene | 표 로 4-Isopropyltoluene | 로 Methylene chloride | हु . हु .Methyl tert-butyl ether | ਨੂੰ B. Naphthalene | ਨੂੰ B_n-Propylbenzene | 표 로 Tetrachloroethene | ਸ਼੍ਰੇ Journe Journe | ក g-m,p-Xylenes | g o Xylene | 편 글 로 |
|--------------|-----------------|---------------------|-----------------------|--------------------|---------------------------|-------------------------------------|---------------------|-----------------------------|---------------------------|----------------------|-------------------------------------|-----------------------|--------------------------|--------------------------|---------------------------|--------------------|------------|-------------|
| RSLr | | 0.36 | | | | 730 | 1.1 | 420 | | 100 | 11 | 0.83 | 1,000 | 11 | 5,200 | 100 | 100 | 31 |
| DTSC-SLr | | 0.097 | 210 | 420 | 8.3 | | | | | 1 | | | | 0.46 | 83 | | | |
| RSLi | | 1.6 | | | | | 4.9 | 1,800 | | 1,200 | 47 | 0.36 | 4,400 | 47 | 22,000 | 440 | 440 | 130 |
| DTSC-SLi | | 0.42 | 880 | 1,800 | 35 | 3,100 | | | | 12 | | | | 2 | 350 | | | |
| ESL Tier 1 | | 3.2 | | | 280 | | 37 | | | 34 | 360 | 2.8 | | 15 | 10,000 | 3,500 | 3,500 | 3,300 |
| SV13-5 | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 16 | <8 | <16 | <8 | <2,000 |
| SV13-5 REP | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 25 | <8 | <16 | <8 | <2,000 |
| SV13-15 | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | <8 | <8 | <16 | <8 | <2,000 |
| SV14-5 | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 10 | <8 | <16 | <8 | <2,000 |
| SV14-15 | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | <8 | <8 | <16 | <8 | <2,000 |
| SV15-5 | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 37 | <8 | <16 | <8 | <2,000 |
| SV15-15 | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 29 | <8 | <16 | <8 | <2,000 |
| SV16-5 | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 15 | <8 | <16 | <8 | <2,000 |
| SV16-15 | 7/28/2021 | 27 | <12 | <12 | 51 | <40 | 74 | <8 | 16 | <8 | <40 | 41 | <8 | 18 | 44 | 287 | 84 | 46,800 |
| SV17-5 | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 32 | <8 | <16 | <8 | <2,000 |
| SV17-15 | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 10 | <8 | <16 | <8 | <2,000 |
| SV18-5 | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 13 | <8 | <16 | <8 | <2,000 |
| SV18-15 | 7/28/2021 | 1,150 | <12 | <12 | <8 | 4,780 | 1,910 | 2,490 | <8 | <8 | 8,610 | 826 | 2,640 | <8 | <8 | 1,720 | <8 | 3,380,000 |
| SV19-5 | 7/28/2021 | 18 | 649 | 2,380 | <8 | <40 | 2,730 | 4,290 | 13 | <8 | 121,000* | 405 | 5,810 | 42 | 25 | <16 | <8 | 900,000 |

Notes:

 $\mu g/m^3 = micrograms per cubic meter$

< = concentration is less than the Reporting Limit, i.e., not detected; BOLD exceeds the screening level

Blank cell screening threshold not available

Analytical results are included as Appendix C

Only detected concentrations of volatiles in the vapor phase are presented in this table

Soil vapor was collected from dual-nested soil vapor probes installed at 5-feet bgs and 15-feet bgs

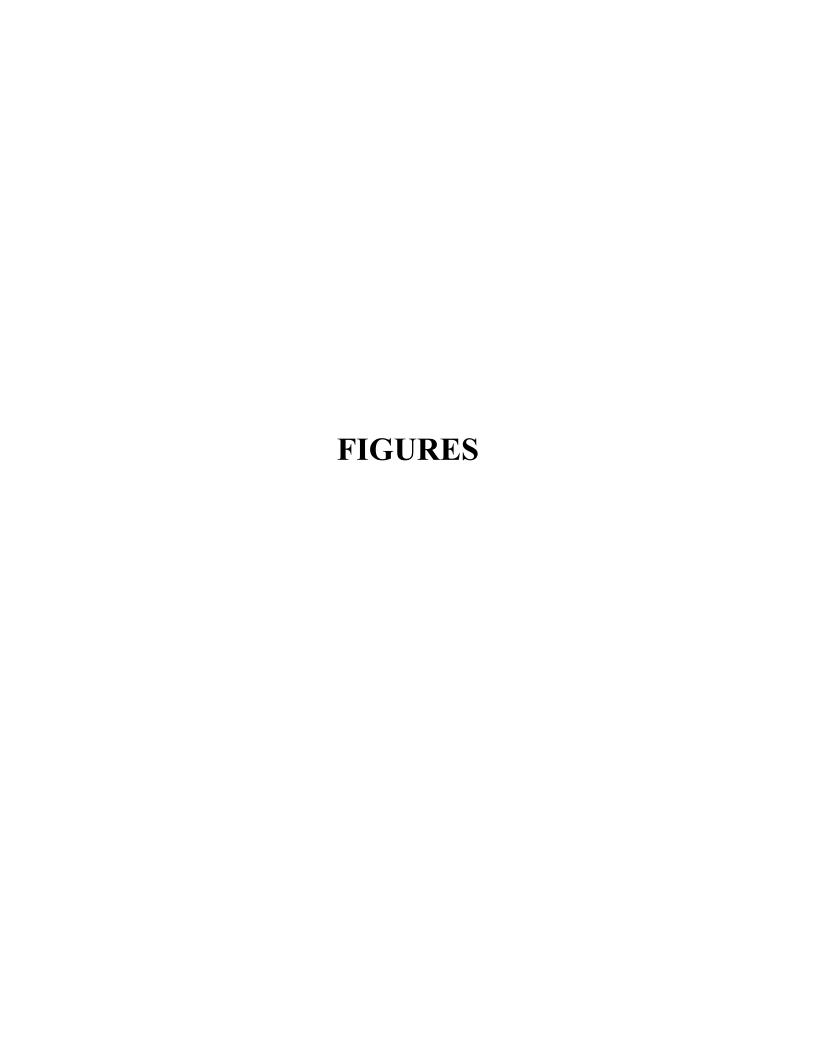
ESL Tier 1 = San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels 2019 (Rev. 2)

RSLr = USEPA Regional Screening Level for residential air, RSLi = USEPA Regional Screening Levels for industrial air (May 2021)

DTSC SLr = CalEPA DTSC Screening Level for residential air, DTSC SLi = CalEPA DTSC Screening Level for industrial air (June 2020) carcinogenic values were preferentially used for all screening levels

* = dilution factor 1/3

July 30, 2021 Mearns Consulting LLC





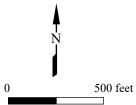


Figure 1: Site Location Map Town Center Northwest Signal Hill, CA

Mearns Consulting LLC

Base map: Google Earth 2020



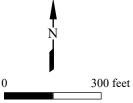
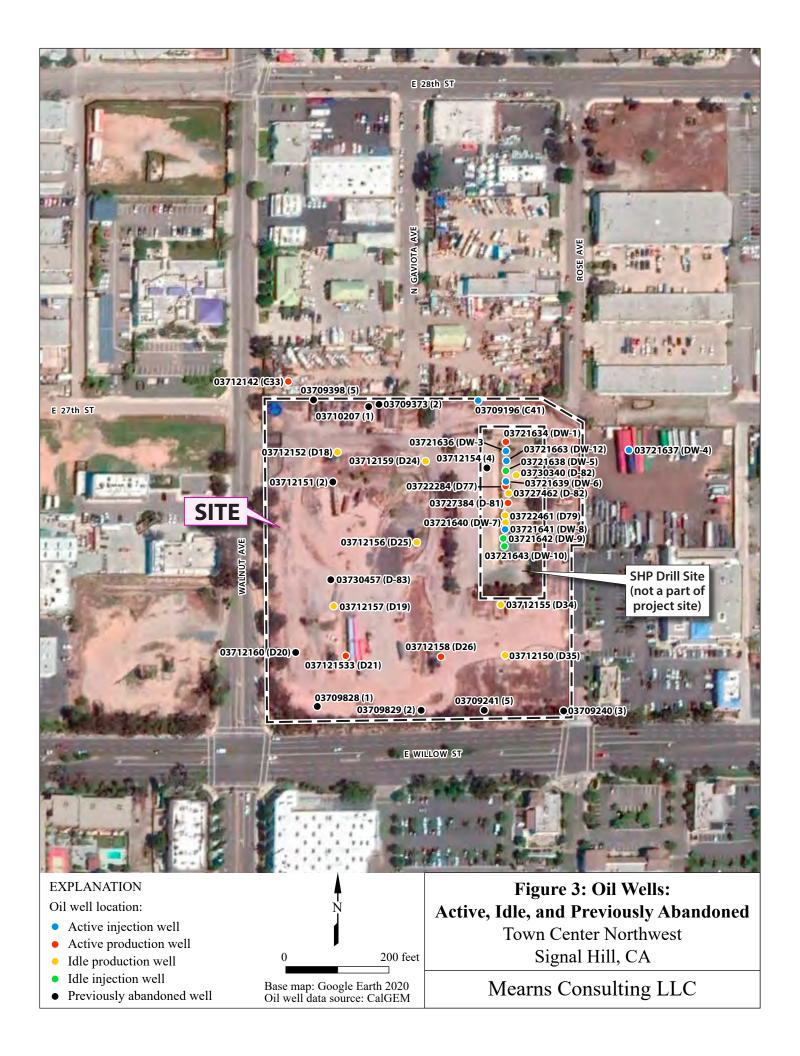
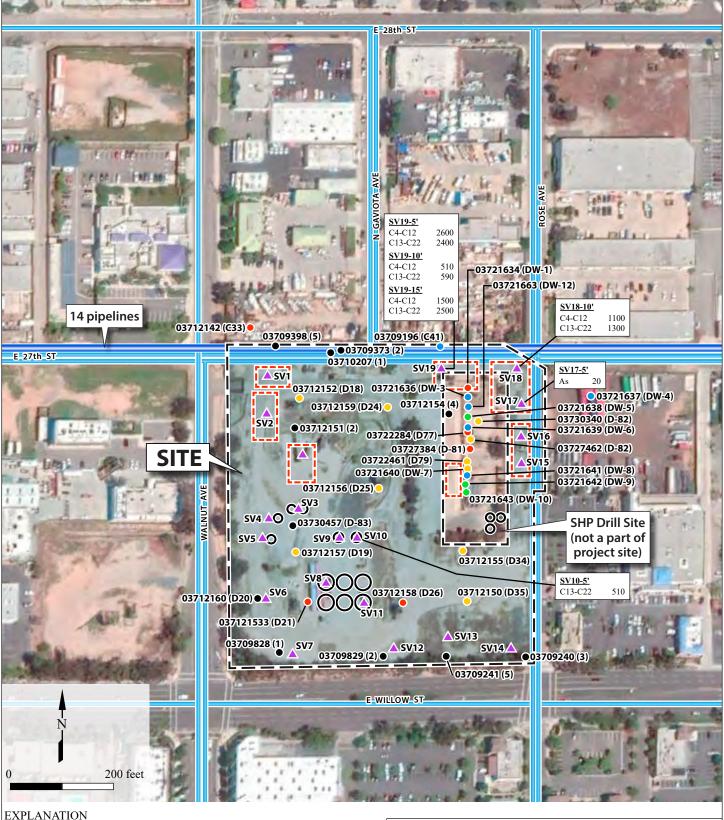


Figure 2: Site MapTown Center Northwest
Signal Hill, CA

Mearns Consulting LLC

Base map: Google Earth 2020





Oil well location:

- Active injection well
- Active production well
- Idle production well
- Idle injection well
- Previously abandoned well

Pipeline

Above ground storage tank

Potential sump

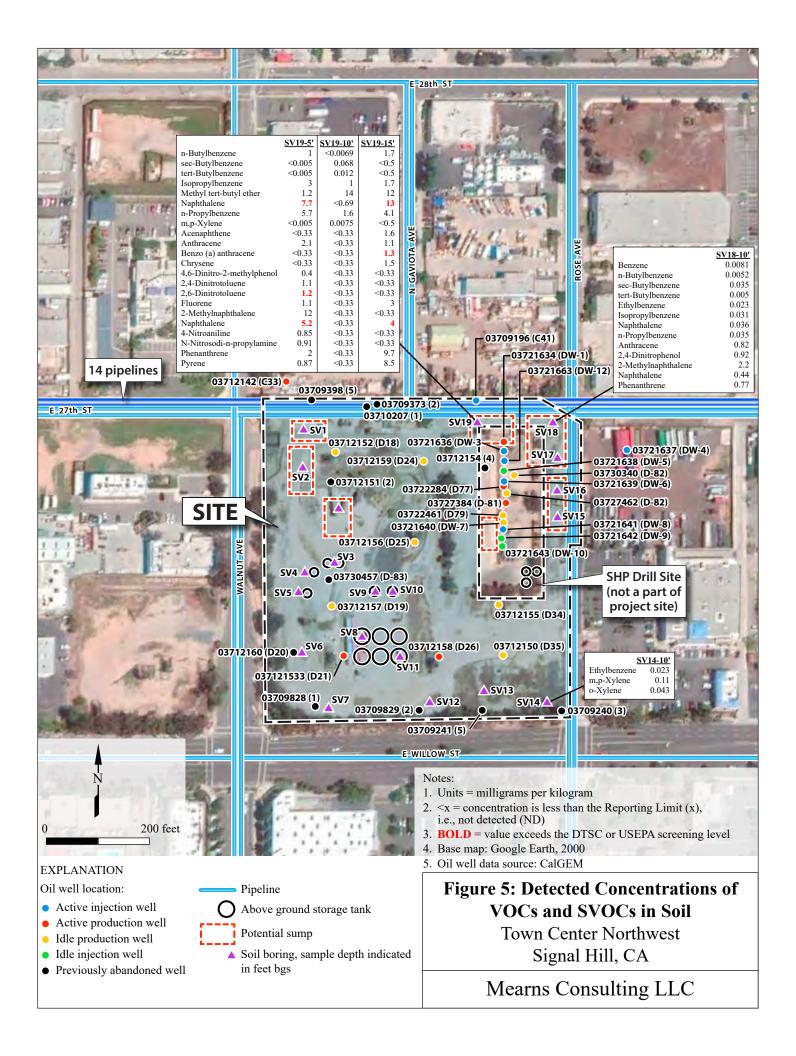
Soil boring, sample depth indicated in feet bgs, sample concentrations in milligrams per kilogram,

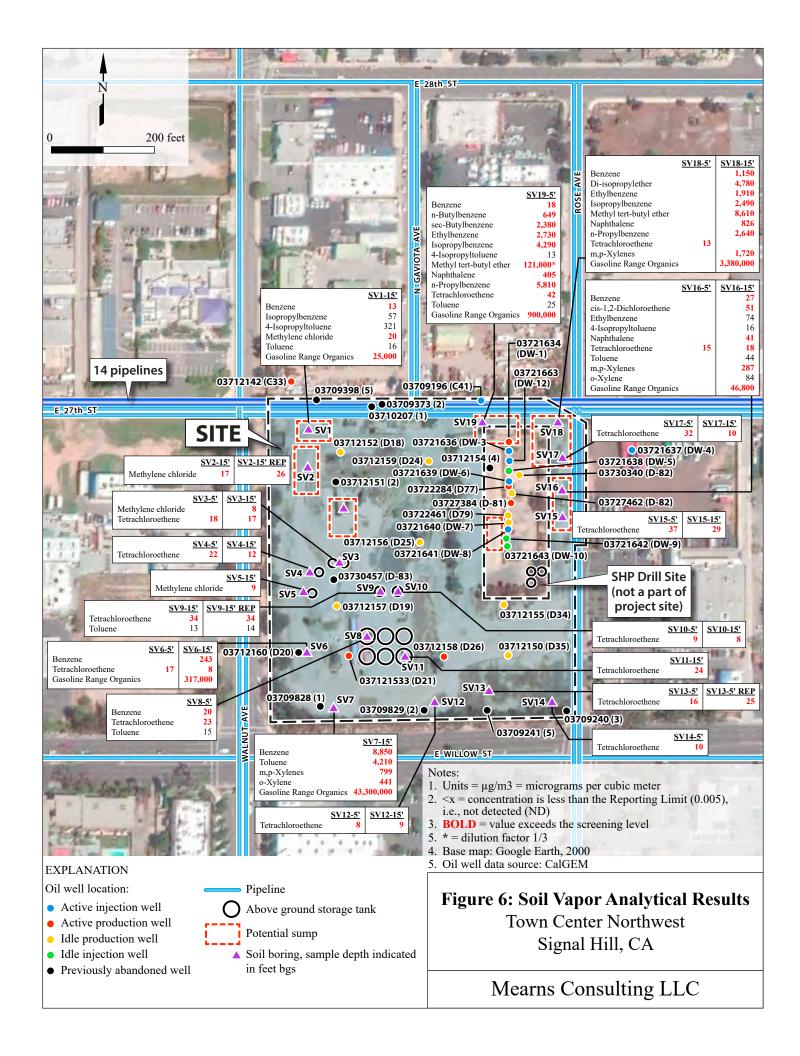
As = arsenic

Figure 4: Concentrations of Metals and **Carbon Chains That Exceed Screening Thresholds**

Town Center Northwest Signal Hill, CA

Mearns Consulting LLC





APPENDIX A

Sierra Analytical Labs, Inc. Soil Matrix Analytical Data July 13 & 14, 2021



19 July 2021

Susan Mearns Mearns Consulting LLC 738 Ashland Avenue Santa Monica, CA 90405

RE:Town Center Northwest

Work Order No.: 2107160

Attached are the results of the analyses for samples received by the laboratory on 07/12/21 15:44.

The samples were received by Sierra Analytical Labs, Inc. with a chain of custody record attached or completed at the submittal of the samples.

The analyses were performed according to the prescribed method as outlined by EPA, Standard Methods, and A.S.T.M.

The remaining portions of the samples will be disposed of within 30 days from the date of this report. If you require any additional retaining time, please advise us.

Sincerely,

Kuhand T. Foryth

Laboratory Director

Sierra Analytical Labs, Inc. is certified by the California Department of Health Services (DOHS), Environmental Laboratory Accredidation Program (ELAP) No. 2320.



Mearns Consulting LLC 738 Ashland Avenue Santa Monica CA, 90405 Project: Town Center Northwest

Project Number: [none]
Project Manager: Susan Mearns

Reported: 07/19/21 09:26

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| SV1-5 | 2107160-01 | Soil | 07/12/21 08:54 | 07/12/21 15:44 |
| SV1-10 | 2107160-02 | Soil | 07/12/21 10:39 | 07/12/21 15:44 |
| SV1-15 | 2107160-03 | Soil | 07/12/21 10:43 | 07/12/21 15:44 |
| SV2-5 | 2107160-04 | Soil | 07/12/21 11:20 | 07/12/21 15:44 |
| SV2-10 | 2107160-05 | Soil | 07/12/21 11:23 | 07/12/21 15:44 |
| SV2-15 | 2107160-06 | Soil | 07/12/21 11:36 | 07/12/21 15:44 |
| SV3-5 | 2107160-07 | Soil | 07/12/21 12:35 | 07/12/21 15:44 |
| SV3-10 | 2107160-08 | Soil | 07/12/21 12:39 | 07/12/21 15:44 |
| SV3-15 | 2107160-09 | Soil | 07/12/21 12:44 | 07/12/21 15:44 |
| SV4-5 | 2107160-10 | Soil | 07/12/21 13:09 | 07/12/21 15:44 |
| SV4-10 | 2107160-11 | Soil | 07/12/21 13:18 | 07/12/21 15:44 |
| SV4-15 | 2107160-12 | Soil | 07/12/21 13:21 | 07/12/21 15:44 |
| SV5-5 | 2107160-13 | Soil | 07/12/21 13:50 | 07/12/21 15:44 |
| SV5-10 | 2107160-14 | Soil | 07/12/21 14:02 | 07/12/21 15:44 |
| SV5-15 | 2107160-15 | Soil | 07/12/21 14:07 | 07/12/21 15:44 |



Santa Monica CA, 90405 Project Manager: Susan Mearns

Reported: 07/19/21 09:26

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| | | Reporting | ** . | | | | | | |
|--|--|--|---|---|-------------------------------|---------------------------------------|---------------------------------------|------------------------|------|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| SV1-5 (2107160-01) Soil Sample | led: 07/12/21 08:54 Received: 0 | 7/12/21 15:4 | 4 | | | | | | |
| Silver | ND | 2.0 | mg/kg | 1 | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Arsenic | ND | 5.5 | " | " | " | " | " | " | |
| Barium | 68 | 6.0 | " | " | " | " | " | " | |
| Beryllium | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | 5.4 | 3.3 | " | " | " | " | " | " | |
| Chromium | 9.8 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | ND | 0.10 | " | " | B1G1307 | 07/13/21 | 07/14/21 17:48 | EPA 7199A | |
| Copper | 8.8 | 5.0 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Mercury | ND | 0.90 | " | " | B1G1309 | 07/13/21 | 07/13/21 20:26 | EPA 7471A | |
| Molybdenum | ND | 5.2 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Nickel | 6.4 | 3.0 | " | " | " | " | " | " | |
| Lead | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | ND | 6.9 | " | " | " | " | " | " | |
| Гhallium | ND | 17 | " | " | " | " | " | " | |
| Vanadium | 15 | 5.1 | " | " | " | " | " | " | |
| Zinc | 27 | 7.0 | " | " | " | " | " | " | |
| SV1-10 (2107160-02) Soil Samp | pled: 07/12/21 10:39 Received: | 07/12/21 15: | 44 | | | | | | |
| Silver | ND | 2.0 | mg/kg | 1 | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Arsenic | ND | 5.5 | " | " | " | " | " | " | |
| Barium | 77 | 6.0 | " | " | " | " | " | " | |
| Beryllium | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | 7.1 | 3.3 | " | " | " | " | " | " | |
| Chromium | 21 | 2.3 | " | " | " | " | " | " | |
| | | - | | | D101207 | 07/13/21 | 07/14/21 17:48 | EPA 7199A | |
| Hexavalent Chromium | ND | 0.10 | " | " | B1G1307 | | | | |
| Hexavalent Chromium Copper | | | " | " | | | 07/14/21 17:06 | EPA 6010B | |
| Copper | 20 | 5.0 | | | B1G1308 | 07/13/21 | 07/14/21 17:06 07/13/21 20:26 | EPA 6010B EPA 7471A | |
| C opper Mercury | 20 ND | 5.0 0.81 | " | " | B1G1308 B1G1309 | 07/13/21 07/13/21 | 07/13/21 20:26 | EPA 7471A | |
| C opper Mercury Molybdenum | 20 ND ND | 5.0 0.81 5.2 | " | " | B1G1308 | 07/13/21 | | | |
| C opper Mercury Molybdenum Nickel | 20 ND ND 12 | 5.0 0.81 5.2 3.0 | " | " " | B1G1308 B1G1309 B1G1308 | 07/13/21 07/13/21 07/13/21 | 07/13/21 20:26 07/14/21 17:06 | EPA 7471A EPA 6010B | |
| C opper Mercury Molybdenum Nickel Lead | 20 ND ND 12 ND | 5.0 0.81 5.2 3.0 7.1 | " " | " " " | B1G1308 B1G1309 B1G1308 | 07/13/21 07/13/21 07/13/21 | 07/13/21 20:26 07/14/21 17:06 | EPA 7471A EPA 6010B | |
| C opper Mercury Molybdenum Nickel Lead Antimony | 20 ND ND 12 ND ND | 5.0 0.81 5.2 3.0 7.1 8.0 | " " " " | " " " | B1G1308 B1G1309 B1G1308 | 07/13/21 07/13/21 07/13/21 " | 07/13/21 20:26 07/14/21 17:06 | EPA 7471A EPA 6010B | |
| Copper Mercury Molybdenum Nickel Lead Antimony Selenium | 20 ND ND 12 ND ND ND | 5.0 0.81 5.2 3.0 7.1 8.0 6.9 | " | " | B1G1308 B1G1309 B1G1308 | 07/13/21 07/13/21 07/13/21 " | 07/13/21 20:26 07/14/21 17:06 | EPA 7471A EPA 6010B | |
| Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium Thallium Vanadium | 20 ND ND 12 ND ND | 5.0 0.81 5.2 3.0 7.1 8.0 | " | " | B1G1308 B1G1309 B1G1308 | 07/13/21 07/13/21 07/13/21 " | 07/13/21 20:26 07/14/21 17:06 " | EPA 7471A EPA 6010B | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/19/21 09:26

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| | | | | | 2405, 111 | | | | | |
|--------------------------|---------------------------|-------------|--------------------|-------|-----------|---------|----------|----------------|-----------|-------|
| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| SV1-15 (2107160-03) Soil | Sampled: 07/12/21 10:43 | Received: | 07/12/21 15: | 44 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 45 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | ND | 3.3 | " | " | " | " | " | " | |
| Chromium | | 7.0 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1307 | 07/13/21 | 07/14/21 17:48 | EPA 7199A | |
| Copper | | ND | 5.0 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1309 | 07/13/21 | 07/13/21 20:26 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Nickel | | 3.6 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | ,, | " | " | |
| Vanadium | | 6.6 | 5.1 | " | " | " | ,, | " | " | |
| Zinc | | 22 | 7.0 | " | " | " | " | " | " | |
| SV2-5 (2107160-04) Soil | Sampled: 07/12/21 11:20 F | Received: 0 | 7/12/21 15:4 | 4 | | | | | | |
| Silver | <u> </u> | ND | 2.0 | mg/kg | 1 | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Arsenic | | ND | 5.5 | mg kg | " | " | " | " | " | |
| Barium | | 74 | 6.0 | ,, | ,, | ,, | ,, | " | " | |
| Beryllium | | ND | 2.2 | ,, | ,, | ,, | ,, | " | " | |
| Cadmium | | ND | 2.5 | ,, | ,, | ,, | ,, | " | " | |
| Cobalt | | 5.5 | 3.3 | ,, | " | " | ,, | " | ,, | |
| Chromium | | 3.3 11 | 2.3 | ,, | ,, | " | ,, | " | ,, | |
| Hexavalent Chromium | | ND | 0.10 | ,, | " | B1G1307 | 07/13/21 | 07/14/21 17:48 | EPA 7199A | |
| | | 13 | 5.0 | ,, | ,, | | | | | |
| Copper | | ND | 0.90 | ,, | ,, | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Mercury | | | | ,, | ,, | B1G1309 | 07/13/21 | 07/13/21 20:26 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | ,, | ,, | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Nickel | | 6.2 | 3.0 | ., | " | ,, | , | ", | " | |
| Lead | | ND | 7.1 | | " | " | " | " | " | |
| Antimony | | ND | 8.0 | | | | | | | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 13 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 28 | 7.0 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/19/21 09:26

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|-------------------------|---|---|---|---|---|--|--|--|------|
| SV2-10 (2107160-05) Soil | Sampled: 07/12/21 11:23 | Received | : 07/12/21 15:4 | 44 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 82 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 9.3 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 18 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1307 | 07/13/21 | 07/14/21 17:48 | EPA 7199A | |
| Copper | | 18 | 5.0 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1309 | 07/13/21 | 07/13/21 20:26 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Nickel | | 12 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 31 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 36 | 7.0 | " | " | " | " | " | " | |
| SV2-15 (2107160-06) Soil | Sampled: 07/12/21 11:36 | Received | : 07/12/21 15:4 | 44 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | | | | | | |
| Barium | | | 5.5 | " | " | " | " | " | " | |
| | | 81 | 6.0 | " | " | " | " | " | " | |
| | | 81 ND | | | | | | | | |
| Beryllium | | | 6.0 | " | " | " | " | " | " | |
| Beryllium Cadmium | | ND | 6.0 2.2 | " | " | " | " | " | " | |
| Beryllium Cadmium Cobalt | | ND ND | 6.0 2.2 2.5 | " | " " | " | " | " " | " " | |
| Beryllium Cadmium Cobalt Chromium | | ND ND 6.6 | 6.0 2.2 2.5 3.3 | " " | " " | " " " | " " | " " " | " | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium | | ND ND 6.6 21 | 6.0 2.2 2.5 3.3 2.3 | " " " | " " " | " | " " " | " | " | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper | | ND ND 6.6 21 ND | 6.0 2.2 2.5 3.3 2.3 0.10 | " " " " | " | " " " B1G1307 | " " " 07/13/21 | " " " 07/14/21 17:48 | " " " EPA 7199A | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury | | ND ND 6.6 21 ND 14 | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 | n n n | " | " " " B1G1307 B1G1308 | """""""""""""""""""""""""""""""""""""" | " " " 07/14/21 17:48 07/14/21 17:06 | " " " EPA 7199A EPA 6010B | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum | | ND ND 6.6 21 ND 14 ND | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 | " | " | " " " B1G1307 B1G1308 B1G1309 | " " 07/13/21 07/13/21 07/13/21 | " " " 07/14/21 17:48 07/14/21 17:06 07/13/21 20:26 | " " " EPA 7199A EPA 6010B EPA 7471A | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel | | ND ND 6.6 21 ND 14 ND ND | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 | " | " | " " " B1G1307 B1G1308 B1G1309 B1G1308 | 07/13/21 07/13/21 07/13/21 07/13/21 | " " " 07/14/21 17:48 07/14/21 17:06 07/13/21 20:26 07/14/21 17:06 | " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead | | ND ND 6.6 21 ND 14 ND ND ND | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 | " " " " " " " " " " " " " " " " " " " | | " " " B1G1307 B1G1308 B1G1309 B1G1308 | 07/13/21 07/13/21 07/13/21 07/13/21 " | " " " 07/14/21 17:48 07/14/21 17:06 07/13/21 20:26 07/14/21 17:06 " | " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony | | ND ND 6.6 21 ND 14 ND ND ND 11 | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 | " " " " " " " " " " " " " " " " " " " | | " " " B1G1307 B1G1308 B1G1309 B1G1308 " | 07/13/21 07/13/21 07/13/21 07/13/21 " | 07/14/21 17:48 07/14/21 17:06 07/13/21 20:26 07/14/21 17:06 | EPA 7199A EPA 6010B EPA 6010B | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium Thallium | | ND ND 6.6 21 ND 14 ND ND 11 ND | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 | | | " " " " " B1G1307 B1G1308 B1G1309 B1G1308 " " | 07/13/21 07/13/21 07/13/21 07/13/21 " | 07/14/21 17:48 07/14/21 17:06 07/13/21 20:26 07/14/21 17:06 | EPA 7199A EPA 6010B EPA 6010B | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium | | ND ND 6.6 21 ND 14 ND ND 11 ND ND ND | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 6.9 | | | " " " B1G1307 B1G1308 B1G1309 B1G1308 " " | 07/13/21 07/13/21 07/13/21 07/13/21 "" | 07/14/21 17:48 07/14/21 17:06 07/13/21 20:26 07/14/21 17:06 | EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/19/21 09:26

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| | | Sicritaria | • | 2405, 111 | | | | | |
|-------------------------|------------------------------------|--------------------|-------|-----------|---------|----------|----------------|-----------|------|
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| SV3-5 (2107160-07) Soil | Sampled: 07/12/21 12:35 Received: | 07/12/21 15:4 | 4 | | | | | | |
| Silver | ND | 2.0 | mg/kg | 1 | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Arsenic | ND | 5.5 | " | " | " | " | " | " | |
| Barium | 67 | 6.0 | " | " | " | " | " | " | |
| Beryllium | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | 5.6 | 3.3 | " | " | " | " | " | " | |
| Chromium | 12 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | ND | 0.10 | " | " | B1G1307 | 07/13/21 | 07/14/21 17:48 | EPA 7199A | |
| Copper | 11 | 5.0 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Mercury | ND | 0.81 | " | " | B1G1309 | 07/13/21 | 07/13/21 20:26 | EPA 7471A | |
| Molybdenum | ND | 5.2 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Nickel | 4.3 | 3.0 | " | " | " | " | " | " | |
| Lead | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | ND | 17 | " | " | " | " | " | " | |
| Vanadium | 18 | 5.1 | " | " | " | " | " | " | |
| Zinc | 25 | 7.0 | " | " | " | " | " | " | |
| SV3-10 (2107160-08) Soi | l Sampled: 07/12/21 12:39 Received | : 07/12/21 15: | 44 | | | | | | |
| Silver | ND | 2.0 | mg/kg | 1 | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Arsenic | ND | 5.5 | " | " | " | " | " | " | |
| Barium | 50 | 6.0 | " | " | " | " | " | " | |
| Beryllium | ND | 2.2 | " | " | | " | " | " | |
| Cadmium | ND | 2.5 | " | " | | " | " | " | |
| Cobalt | 6.4 | 3.3 | " | " | | " | " | " | |
| Chromium | 18 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | ND | 0.10 | " | " | B1G1307 | 07/13/21 | 07/14/21 17:48 | EPA 7199A | |
| Copper | 17 | 5.0 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Mercury | ND | 0.78 | " | " | B1G1309 | 07/13/21 | 07/13/21 20:26 | EPA 7471A | |
| Molybdenum | ND | 5.2 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Nickel | 9.5 | 3.0 | " | " | " | " | " | " | |
| Lead | ND | 7.1 | " | " | ,, | " | " | " | |
| Antimony | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | ND ND | 17 | ,, | ,, | ,, | ,, | " | " | |
| Vanadium | 31 | 5.1 | ,, | ,, | ,, | ,, | " | " | |
| Zinc | 34 | 7.0 | ,, | ,, | ,, | ,, | ,, | " | |
| Zanc | 34 | 7.0 | | | | | | | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/19/21 09:26

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---------------------------|--------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV3-15 (2107160-09) Soil | Sampled: 07/12/21 12:44 | Received | : 07/12/21 15:4 | 14 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 32 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 3.7 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 8.3 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1307 | 07/13/21 | 07/14/21 17:48 | EPA 7199A | |
| Copper | | 6.2 | 5.0 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1309 | 07/13/21 | 07/13/21 20:26 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Nickel | | 5.0 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 18 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 18 | 7.0 | " | " | " | " | " | " | |
| SV4-5 (2107160-10) Soil S | ampled: 07/12/21 13:09 F | Received: | 07/12/21 15:44 | 4 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 63 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 8.2 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 13 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1307 | 07/13/21 | 07/14/21 17:48 | EPA 7199A | |
| Copper | | 14 | 5.0 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1309 | 07/13/21 | 07/13/21 20:26 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Nickel | | 8.0 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 25 | 5.1 | " | " | " | " | " | " | |
| | | | | | | | | | | |



738 Ashland AvenueProject Number: [none]Reported:Santa Monica CA, 90405Project Manager: Susan Mearns07/19/21 09:26

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV4-10 (2107160-11) Soil | Sampled: 07/12/21 13:18 | Received | : 07/12/21 15:4 | 14 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 40 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 4.6 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 14 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1307 | 07/13/21 | 07/14/21 17:48 | EPA 7199A | |
| Copper | | 12 | 5.0 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1309 | 07/13/21 | 07/13/21 20:26 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Nickel | | 7.0 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 21 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 25 | 7.0 | " | " | " | " | " | " | |
| SV4-15 (2107160-12) Soil | Sampled: 07/12/21 13:21 | Received | : 07/12/21 15:4 | 44 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 26 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 3.7 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 8.1 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1307 | 07/13/21 | 07/14/21 17:48 | EPA 7199A | |
| Copper | | 6.8 | 5.0 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1309 | 07/13/21 | 07/13/21 20:26 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Nickel | | 5.7 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| | | | | | | | | | | |
| Vanadium | | 14 | 5.1 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--------------------------|-----------------------------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV5-5 (2107160-13) Soil | Sampled: 07/12/21 13:50 Received: | 07/12/21 15:4 | 4 | | | | | | |
| Silver | ND | 2.0 | mg/kg | 1 | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Arsenic | ND | 5.5 | " | " | " | " | " | " | |
| Barium | 82 | 6.0 | " | " | " | " | " | " | |
| Beryllium | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | 8.1 | 3.3 | " | " | " | " | " | " | |
| Chromium | 18 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | ND | 0.10 | " | " | B1G1307 | 07/13/21 | 07/14/21 17:48 | EPA 7199A | |
| Copper | 17 | 5.0 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Mercury | ND | 0.90 | " | " | B1G1309 | 07/13/21 | 07/13/21 20:26 | EPA 7471A | |
| Molybdenum | ND | 5.2 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Nickel | 10 | 3.0 | " | " | " | " | " | " | |
| Lead | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | ND | 17 | " | " | " | ,, | " | " | |
| Vanadium | 34 | 5.1 | " | " | " | ,, | " | " | |
| Zinc | 34 | 7.0 | " | " | " | " | " | " | |
| SV5-10 (2107160-14) Soil | Sampled: 07/12/21 14:02 Received | : 07/12/21 15: | 44 | | | | | | |
| Silver | ND | 2.0 | mg/kg | 1 | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Arsenic | ND | 5.5 | " | " | " | " | " | " | |
| Barium | 47 | 6.0 | " | " | " | " | " | " | |
| Beryllium | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | 5.1 | 3.3 | " | " | " | " | " | " | |
| Chromium | 12 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | ND | 0.10 | " | " | B1G1307 | 07/13/21 | 07/14/21 17:48 | EPA 7199A | |
| Copper | 11 | 5.0 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Mercury | ND | 0.90 | " | " | B1G1309 | 07/13/21 | 07/13/21 20:26 | EPA 7471A | |
| Molybdenum | ND | 5.2 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Nickel | 7.8 | 3.0 | " | " | B1G1500 | " | " | " | |
| Lead | ND | 7.1 | " | " | " | ,, | " | " | |
| Antimony | ND | 8.0 | " | " | ,, | ,, | " | " | |
| Selenium | ND ND | 6.9 | ,, | " | " | ,, | " | " | |
| Thallium | ND ND | 17 | ,, | " | " | ,, | " | " | |
| Vanadium | 21 | 5.1 | ,, | ,, | ,, | ,, | ,, | , | |
| Zinc | 24 | 7.0 | ,, | ,, | ,, | ,, | " | , | |
| Zilic | 24 | 7.0 | | | | | | | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV5-15 (2107160-15) Soil | Sampled: 07/12/21 14:07 | Received | : 07/12/21 15: | 44 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 61 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 6.1 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 14 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1307 | 07/13/21 | 07/14/21 17:48 | EPA 7199A | |
| Copper | | 15 | 5.0 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1309 | 07/13/21 | 07/13/21 20:26 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Nickel | | 8.8 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 28 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 30 | 7.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|----------------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV1-5 (2107160-01) Soil Sampled: 07/12/2 | 21 08:54 Received: | 07/12/21 15:44 | l | | | | | | |
| Surrogate: o-Terphenyl | | 67.5 % | 60-17 | | B1G1401 | 07/14/21 | 07/14/21 12:21 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 96.4 % | 35-13 | | B1G1302 | 07/13/21 | 07/14/21 08:03 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV1-10 (2107160-02) Soil Sampled: 07/12 | /21 10:39 Received: | 07/12/21 15:4 | 14 | | | | | | |
| Surrogate: o-Terphenyl | | 91.5 % | 60-17 | '5 | B1G1401 | 07/14/21 | 07/14/21 12:21 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 98.5 % | 35-13 | | B1G1302 | 07/13/21 | 07/14/21 08:03 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV1-15 (2107160-03) Soil Sampled: 07/12 | /21 10:43 Received: | 07/12/21 15:4 | 14 | | | | | | |
| Surrogate: o-Terphenyl | | 66.4 % | 60-17 | 75 | B1G1401 | 07/14/21 | 07/14/21 12:21 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 92.0 % | 35-13 | 0 | B1G1302 | 07/13/21 | 07/14/21 08:03 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV2-5 (2107160-04) Soil Sampled: 07/12/2 | 21 11:20 Received: (| 07/12/21 15:44 | ļ | | | | | | |
| Surrogate: o-Terphenyl | | 69.9 % | 60-17 | 75 | B1G1401 | 07/14/21 | 07/14/21 12:21 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | 35 | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 91.9 % | 35-13 | | B1G1302 | 07/13/21 | 07/14/21 08:03 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.042 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV2-10 (2107160-05) Soil Sampled: 07/12/21 | 11:23 Received | : 07/12/21 15:4 | 14 | | | | | | |
| Surrogate: o-Terphenyl | | 91.3 % | 60-17 | 75 | B1G1401 | 07/14/21 | 07/14/21 12:21 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 98.5 % | 35-13 | 30 | B1G1302 | 07/13/21 | 07/14/21 08:03 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.045 | " | " | " | " | " | " | |
| SV2-15 (2107160-06) Soil Sampled: 07/12/21 | 11:36 Received | : 07/12/21 15:4 | 14 | | | | | | |
| Surrogate: o-Terphenyl | | 68.0 % | 60-17 | 75 | B1G1401 | 07/14/21 | 07/14/21 12:21 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 91.4 % | 35-13 | 30 | B1G1302 | 07/13/21 | 07/14/21 08:03 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV3-5 (2107160-07) Soil Sampled: 07/12/21 12 | 2:35 Received: | 07/12/21 15:44 | 1 | | | | | | |
| Surrogate: o-Terphenyl | | 73.0 % | 60-17 | 75 | B1G1401 | 07/14/21 | 07/14/21 12:21 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 93.7 % | 35-13 | 30 | B1G1302 | 07/13/21 | 07/14/21 08:03 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.042 | " | " | " | " | " | " | |
| SV3-10 (2107160-08) Soil Sampled: 07/12/21 | 12:39 Received | : 07/12/21 15:4 | 14 | | | | | | |
| Surrogate: o-Terphenyl | | 76.6 % | 60-17 | 75 | B1G1401 | 07/14/21 | 07/14/21 12:21 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 91.5 % | 35-13 | 30 | B1G1302 | 07/13/21 | 07/14/21 08:03 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV3-15 (2107160-09) Soil Sampled: 07/12/21 12 | 2:44 Received | : 07/12/21 15:4 | 4 | | | | | | |
| Surrogate: o-Terphenyl | | 77.7 % | 60-1 | | B1G1401 | 07/14/21 | 07/14/21 12:21 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 93.0 % | 35-1. | | B1G1302 | 07/13/21 | 07/14/21 08:03 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV4-5 (2107160-10) Soil Sampled: 07/12/21 13: | 09 Received: | 07/12/21 15:44 | ļ | | | | | | |
| Surrogate: o-Terphenyl | | 74.6 % | 60-1 | 75 | B1G1401 | 07/14/21 | 07/14/21 12:21 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 96.7 % | 35-1. | | B1G1302 | 07/13/21 | 07/14/21 08:03 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV4-10 (2107160-11) Soil Sampled: 07/12/21 13 | 3:18 Received | : 07/12/21 15:4 | 4 | | | | | | |
| Surrogate: o-Terphenyl | | 76.4 % | 60-1 | 75 | B1G1401 | 07/14/21 | 07/14/21 12:21 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 94.0 % | 35-1. | 30 | B1G1302 | 07/13/21 | 07/14/21 08:03 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV4-15 (2107160-12) Soil Sampled: 07/12/21 13 | 3:21 Received | : 07/12/21 15:4 | 4 | | | | | | |
| Surrogate: o-Terphenyl | | 65.2 % | 60-1 | 75 | B1G1401 | 07/14/21 | 07/14/21 12:21 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 84.3 % | 35-1. | | B1G1302 | 07/13/21 | 07/14/21 08:03 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|------------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV5-5 (2107160-13) Soil Sampled: 07/12/21 1 | 3:50 Received: 0 | 07/12/21 15:44 | 4 | | | | | | |
| Surrogate: o-Terphenyl | | 67.5 % | 60-1 | | B1G1401 | 07/14/21 | 07/14/21 12:21 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 95.6 % | 35-1 | 130 | B1G1302 | 07/13/21 | 07/14/21 08:03 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV5-10 (2107160-14) Soil Sampled: 07/12/21 | 14:02 Received: | 07/12/21 15:4 | 14 | | | | | | |
| Surrogate: o-Terphenyl | | 71.2 % | 60-1 | 175 | B1G1401 | 07/14/21 | 07/14/21 12:21 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 87.6 % | 35-1 | 130 | B1G1302 | 07/13/21 | 07/14/21 08:03 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV5-15 (2107160-15) Soil Sampled: 07/12/21 | 14:07 Received: | 07/12/21 15:4 | 14 | | | | | | |
| Surrogate: o-Terphenyl | | 73.6 % | 60-1 | 175 | B1G1401 | 07/14/21 | 07/14/21 12:21 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 87.4 % | 35-1 | 130 | B1G1302 | 07/13/21 | 07/14/21 08:03 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note: |
|---|-------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV1-5 (2107160-01) Soil Sampled: 07/12/21 08:54 | Received: 0 | 7/12/21 15:44 | | | | | | | |
| Surrogate: Dibromofluoromethane | | 112 % | 80-1 | 120 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 99.7 % | 81-1 | !17 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 95.8 % | 74-1 | 121 | " | " | " | " | |
| Benzene | ND | 4.5 | " | " | " | " | " | " | |
| Bromobenzene | ND | 4.5 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 4.5 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 4.5 | " | " | " | " | " | " | |
| Bromoform | ND | 4.5 | " | " | " | " | " | " | |
| Bromomethane | ND | 4.5 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 4.5 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 4.5 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 4.5 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 4.5 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 4.5 | " | " | " | " | " | " | |
| Chloroethane | ND | 4.5 | " | " | " | " | " | " | |
| Chloroform | ND | 4.5 | " | " | " | " | " | " | |
| Chloromethane | ND | 4.5 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 4.5 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 4.5 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 4.5 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 4.5 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 4.5 | " | " | " | " | " | " | |
| Dibromomethane | ND | 4.5 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 4.5 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 4.5 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 4.5 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 4.5 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 4.5 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 4.5 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 4.5 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 4.5 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 4.5 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 4.5 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 4.5 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 4.5 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 4.5 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 4.5 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 4.5 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 4.5 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 4.5 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 4.5 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|--------------------------|----------------|--------------------|-------------|----------|---------|----------|----------------|-----------|------|
| • | 0 1 1 0 2 11 2 2 2 2 2 2 | | | | Dilution | Baten | rrepared | Anaryzou | Method | 1100 |
| SV1-5 (2107160-01) Soil | Sampled: 07/12/21 08:54 | | | | | | | | | |
| p-Isopropyltoluene | | ND | 4.5 | $\mu g/kg$ | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Methylene chloride | | ND | 4.5 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 4.5 | " | " | " | " | " | " | |
| Naphthalene | | ND | 4.5 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 4.5 | " | " | " | " | " | " | |
| Styrene | | ND | 4.5 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 4.5 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 4.5 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 4.5 | " | " | " | " | " | " | |
| Toluene | | ND | 4.5 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 4.5 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 4.5 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 4.5 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 4.5 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 4.5 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 4.5 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 4.5 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 4.5 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 4.5 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 4.5 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 4.5 | " | " | " | " | " | " | |
| o-Xylene | | ND | 4.5 | " | " | " | " | " | " | |
| SV1-10 (2107160-02) Soil | Sampled: 07/12/21 10:39 | Received: | 07/12/21 15:4 | 14 | | | | | | |
| Surrogate: Dibromofluoron | nethane | | 114 % | 80- | -120 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Surrogate: Toluene-d8 | | | 99.4 % | 81- | -117 | " | " | " | " | |
| Surrogate: 4-Bromofluorob | enzene | | 95.0 % | 74- | -121 | " | " | " | " | |
| Benzene | | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| tout Dutylhoussons | | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| • | | | | " | ,, | " | " | " | " | |
| Carbon tetrachloride | | ND | 5.0 | | | | | | | |
| Carbon tetrachloride Chlorobenzene | | ND ND | 5.0 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene Carbon tetrachloride Chlorobenzene Chloroethane Chloroform | | ND ND ND | 5.0 5.0 5.0 | | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV1-10 (2107160-02) Soil Sampled: 07/12/21 10:39 | Received: | 07/12/21 15: | 44 | | | | | | |
| 2-Chlorotoluene | ND | 5.0 | μg/kg | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | " | ,, | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.0 | " | " | " | " | " | ,, | |
| Hexachlorobutadiene | ND | 5.0 | " | " | " | " | " | ,, | |
| Isopropylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 5.0 | | ,, | ,, | " | " | " | |
| Naphthalene | ND | 5.0 | | ,, | ,, | " | " | " | |
| n-Propylbenzene | ND | 5.0 | ,, | ,, | ,, | ,, | " | " | |
| Styrene | ND | 5.0 | ,, | ,, | ,, | ,, | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ,, | " | " | ,, | ,, | ,, | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ,, | " | " | ,, | ,, | ,, | |
| Tetrachloroethene | ND | 5.0 | ,, | " | " | ,, | ,, | ,, | |
| Toluene | ND | 5.0 | ,, | ,, | " | ,, | ,, | ,, | |
| 1,2,3-Trichlorobenzene | ND ND | 5.0 | ,, | ,, | ,, | ,, | ,, | " | |
| , , | | | ,, | ,, | , | " | ,, | ,, | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | | ,, | ,, | ,, | ,, | ,, | |
| 1,1,1-Trichloroethane | ND | 5.0 | ,, | ,, | ,, | ,, | ,, | " | |
| 1,1,2-Trichloroethane | ND | 5.0 | | | | | | " | |
| Trichloroethene | ND | 5.0 | | | | " | " | | |
| Trichlorofluoromethane | ND | 5.0 | | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV1-10 (2107160-02) Soil Sampled: 07/12/21 1 | 0:39 Received: | 07/12/21 15:4 | 44 | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | μg/kg | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| SV1-15 (2107160-03) Soil Sampled: 07/12/21 | 0:43 Received: | 07/12/21 15:4 | 44 | | | | | | |
| Surrogate: Dibromofluoromethane | | 115 % | 80- | 120 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 101 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 95.9 % | 74- | 121 | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | n . | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| > | 1.12 | | | | | | | | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV1-15 (2107160-03) Soil | Sampled: 07/12/21 10:43 | Received | : 07/12/21 15: | 44 | | | | | | |
| 2,2-Dichloropropane | | ND | 5.0 | μg/kg | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| 1,1-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | | ND | 5.0 | " | " | " | " | ,, | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV2-5 (2107160-04) Soil Sampled: 07/12/21 11:20 | Received: | 07/12/21 15:44 | | | | | | | |
| Surrogate: Dibromofluoromethane | | 113 % | 80- | | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 101 % | | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 95.8 % | 74- | | " | " | " | " | |
| Benzene | ND | 4.2 | " | " | " | " | " | " | |
| Bromobenzene | ND | 4.2 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 4.2 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 4.2 | " | " | " | " | " | " | |
| Bromoform | ND | 4.2 | " | " | " | " | " | " | |
| Bromomethane | ND | 4.2 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 4.2 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 4.2 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 4.2 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 4.2 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 4.2 | " | " | " | " | " | " | |
| Chloroethane | ND | 4.2 | " | " | " | " | " | " | |
| Chloroform | ND | 4.2 | " | " | " | " | " | " | |
| Chloromethane | ND | 4.2 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 4.2 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 4.2 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 4.2 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 4.2 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 4.2 | " | " | " | " | " | " | |
| Dibromomethane | ND | 4.2 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 4.2 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 4.2 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 4.2 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 4.2 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 4.2 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 4.2 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 4.2 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 4.2 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 4.2 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 4.2 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 4.2 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 4.2 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 4.2 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 4.2 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 4.2 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 4.2 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 4.2 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 4.2 | | " | ,, | ,, | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|-------------------------|-------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV2-5 (2107160-04) Soil S | Sampled: 07/12/21 11:20 | Received: (| 07/12/21 15:44 | | | | | | | |
| p-Isopropyltoluene | | ND | 4.2 | μg/kg | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Methylene chloride | | ND | 4.2 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 4.2 | " | " | " | " | " | " | |
| Naphthalene | | ND | 4.2 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 4.2 | " | " | " | " | " | " | |
| Styrene | | ND | 4.2 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 4.2 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 4.2 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 4.2 | " | " | " | " | " | " | |
| Toluene | | ND | 4.2 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 4.2 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 4.2 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 4.2 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 4.2 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 4.2 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 4.2 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 4.2 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 4.2 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 4.2 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 4.2 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 4.2 | " | " | " | " | " | " | |
| o-Xylene | | ND | 4.2 | " | " | " | " | " | " | |
| SV2-10 (2107160-05) Soil | Sampled: 07/12/21 11:23 | Received: | 07/12/21 15:4 | 4 | | | | | | |
| | ethane | | 111 % | 80- | 120 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Surrogate: Toluene-d8 | | | 100 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobe | enzene | | 95.5 % | 74- | 121 | " | " | " | " | |
| Benzene | | ND | 3.9 | " | " | " | " | " | " | |
| Bromobenzene | | ND | 3.9 | " | " | " | " | " | " | |
| Bromochloromethane | | ND | 3.9 | " | " | " | " | " | " | |
| Bromodichloromethane | | ND | 3.9 | " | " | " | " | " | " | |
| Bromoform | | ND | 3.9 | " | " | " | " | " | " | |
| Bromomethane | | ND | 3.9 | " | " | " | " | " | " | |
| n-Butylbenzene | | ND | 3.9 | " | " | " | " | " | " | |
| D11 | | ND | 3.9 | " | " | " | " | " | " | |
| sec-Butylbenzene | | ND | 3.9 | " | " | " | " | " | " | |
| | | | | " | ,, | " | " | " | " | |
| tert-Butylbenzene | | ND | 3.9 | " | | | | | | |
| tert-Butylbenzene Carbon tetrachloride | | ND ND | 3.9 3.9 | " | " | " | " | " | " | |
| tert-Butylbenzene Carbon tetrachloride Chlorobenzene | | | | | | " | " | " | " | |
| sec-Butylbenzene tert-Butylbenzene Carbon tetrachloride Chlorobenzene Chloroethane Chloroform | | ND | 3.9 | " | " | | | | " " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|----------|--------------------|------------|----------|----------|------------|----------------|-----------|------|
| SV2-10 (2107160-05) Soil Sampled: 07/12/21 1 | | | | | | - | | | |
| | | | | | D. C. C. | 0.7/1.2/21 | 05/11/01 00 00 | TD. 02.00 | |
| 2-Chlorotoluene 4-Chlorotoluene | ND ND | 3.9 3.9 | μg/kg " | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Dibromochloromethane | ND ND | 3.9 3.9 | ., | | , | ,, | ,, | ,, | |
| | ND ND | 3.9 | ,, | " | | " | ,, | | |
| 1,2-Dibromo-3-chloropropane | | | ,, | ,, | | ,, | ,, | | |
| 1,2-Dibromoethane (EDB) | ND | 3.9 | ,, | ,, | | ,, | | | |
| Dibromomethane | ND | 3.9 | ,, | ,, | | ,, | ,, | | |
| 1,2-Dichlorobenzene | ND | 3.9 | ,, | ,, | | ,, | ,, | | |
| 1,3-Dichlorobenzene | ND | 3.9 | ,, | ,, | | ,, | | | |
| 1,4-Dichlorobenzene | ND | 3.9 | ., | | ,, | ,, | | ,, | |
| Dichlorodifluoromethane | ND | 3.9 | " | " | , | " | " | " | |
| 1,1-Dichloroethane | ND | 3.9 | " | " | , | " | | " | |
| 1,2-Dichloroethane | ND | 3.9 | " | " | , | " | " | " | |
| 1,1-Dichloroethene | ND | 3.9 | | ,, | , | ,, | | " | |
| cis-1,2-Dichloroethene | ND | 3.9 | ., | " | , | ,, | ,, | " | |
| trans-1,2-Dichloroethene | ND | 3.9 | ., | | , | ,, | ,, | ,, | |
| 1,2-Dichloropropane | ND | 3.9 | " | " | , | " | , | " | |
| 1,3-Dichloropropane | ND | 3.9 | " | " | , | " | , | " | |
| 2,2-Dichloropropane | ND | 3.9 | " | " | , | " | , | " | |
| 1,1-Dichloropropene | ND | 3.9 | " | " | , | " | , | " | |
| cis-1,3-Dichloropropene | ND | 3.9 | " | " | , | " | ,, | " | |
| trans-1,3-Dichloropropene | ND | 3.9 | " | " | , | " | " | " | |
| Ethylbenzene | ND | 3.9 | " | " | , | " | , | " | |
| Hexachlorobutadiene | ND | 3.9 | " | " | , | " | " | " | |
| Isopropylbenzene | ND | 3.9 | | | , | | " | " | |
| p-Isopropyltoluene | ND | 3.9 | " | " | | " | | | |
| Methylene chloride | ND | 3.9 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 3.9 | " | | " | | " | " | |
| Naphthalene | ND | 3.9 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 3.9 | " | " | " | " | " | " | |
| Styrene | ND | 3.9 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 3.9 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 3.9 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 3.9 | " | " | " | " | " | " | |
| Toluene | ND | 3.9 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 3.9 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 3.9 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 3.9 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 3.9 | " | " | " | " | " | " | |
| Trichloroethene | ND | 3.9 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 3.9 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 3.9 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|---------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV2-10 (2107160-05) Soil Sampled: 07/12/21 1 | 1:23 Received | : 07/12/21 15:4 | 14 | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 3.9 | μg/kg | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| 1,3,5-Trimethylbenzene | ND | 3.9 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 3.9 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 3.9 | " | " | " | " | " | " | |
| o-Xylene | ND | 3.9 | " | " | " | " | " | " | |
| SV2-15 (2107160-06) Soil Sampled: 07/12/21 1 | 1:36 Received | : 07/12/21 15:4 | 44 | | | | | | |
| Surrogate: Dibromofluoromethane | | 116 % | 80- | 120 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 102 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 95.2 % | 74- | 121 | " | " | " | " | |
| Benzene | ND | 4.4 | " | " | " | " | " | " | |
| Bromobenzene | ND | 4.4 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 4.4 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 4.4 | " | " | " | " | " | " | |
| Bromoform | ND | 4.4 | " | " | " | " | " | " | |
| Bromomethane | ND | 4.4 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 4.4 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 4.4 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 4.4 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 4.4 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 4.4 | " | " | " | " | " | " | |
| Chloroethane | ND | 4.4 | " | " | " | " | " | " | |
| Chloroform | ND | 4.4 | " | " | " | " | " | " | |
| Chloromethane | ND | 4.4 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 4.4 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 4.4 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 4.4 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 4.4 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 4.4 | " | " | " | " | " | " | |
| Dibromomethane | ND | 4.4 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 4.4 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 4.4 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 4.4 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 4.4 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 4.4 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 4.4 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 4.4 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 4.4 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 4.4 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 4.4 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 4.4 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes | |
|---------------------------|-------------------------|-----------|--------------------------|-------|----------|---------|----------|----------------|-----------|-------|--|
| SV2-15 (2107160-06) Soil | Sampled: 07/12/21 11:36 | Received: | Received: 07/12/21 15:44 | | | | | | | | |
| 2,2-Dichloropropane | | ND | 4.4 | μg/kg | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | | |
| 1,1-Dichloropropene | | ND | 4.4 | " | " | " | " | " | " | | |
| cis-1,3-Dichloropropene | | ND | 4.4 | " | " | " | " | " | " | | |
| trans-1,3-Dichloropropene | | ND | 4.4 | " | " | " | " | " | " | | |
| Ethylbenzene | | ND | 4.4 | " | " | " | " | " | " | | |
| Hexachlorobutadiene | | ND | 4.4 | " | " | " | " | " | " | | |
| Isopropylbenzene | | ND | 4.4 | " | " | " | " | " | " | | |
| p-Isopropyltoluene | | ND | 4.4 | " | " | " | " | " | " | | |
| Methylene chloride | | ND | 4.4 | " | " | " | " | " | " | | |
| Methyl tert-butyl ether | | ND | 4.4 | " | " | " | " | " | " | | |
| Naphthalene | | ND | 4.4 | " | " | " | " | " | " | | |
| n-Propylbenzene | | ND | 4.4 | " | " | " | " | " | " | | |
| Styrene | | ND | 4.4 | " | " | " | " | " | " | | |
| 1,1,1,2-Tetrachloroethane | | ND | 4.4 | " | " | " | " | " | " | | |
| 1,1,2,2-Tetrachloroethane | | ND | 4.4 | " | " | " | " | " | " | | |
| Tetrachloroethene | | ND | 4.4 | " | " | " | " | " | " | | |
| Toluene | | ND | 4.4 | " | " | " | " | " | " | | |
| 1,2,3-Trichlorobenzene | | ND | 4.4 | " | " | " | " | " | " | | |
| 1,2,4-Trichlorobenzene | | ND | 4.4 | " | " | " | " | " | " | | |
| 1,1,1-Trichloroethane | | ND | 4.4 | " | " | " | " | " | " | | |
| 1,1,2-Trichloroethane | | ND | 4.4 | " | " | " | " | " | " | | |
| Trichloroethene | | ND | 4.4 | " | " | " | " | " | " | | |
| Trichlorofluoromethane | | ND | 4.4 | " | " | " | " | " | " | | |
| 1,2,3-Trichloropropane | | ND | 4.4 | " | " | " | " | " | " | | |
| 1,2,4-Trimethylbenzene | | ND | 4.4 | " | " | " | " | " | " | | |
| 1,3,5-Trimethylbenzene | | ND | 4.4 | " | " | " | " | " | " | | |
| Vinyl chloride | | ND | 4.4 | " | " | " | " | " | " | | |
| m,p-Xylene | | ND | 4.4 | " | " | " | " | " | " | | |
| o-Xylene | | ND | 4.4 | " | " | " | " | " | " | | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|-------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV3-5 (2107160-07) Soil Sampled: 07/12/21 12:35 | Received: (| 07/12/21 15:44 | | | | | | | |
| Surrogate: Dibromofluoromethane | | 114 % | 80-1 | | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 101 % | 81-1 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 94.7 % | 74-1 | 21 | " | " | " | " | |
| Benzene | ND | 4.2 | " | " | " | " | " | " | |
| Bromobenzene | ND | 4.2 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 4.2 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 4.2 | " | " | " | " | " | " | |
| Bromoform | ND | 4.2 | " | " | " | " | " | " | |
| Bromomethane | ND | 4.2 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 4.2 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 4.2 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 4.2 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 4.2 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 4.2 | " | " | " | " | " | " | |
| Chloroethane | ND | 4.2 | " | " | " | " | " | " | |
| Chloroform | ND | 4.2 | " | " | " | " | " | " | |
| Chloromethane | ND | 4.2 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 4.2 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 4.2 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 4.2 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 4.2 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 4.2 | " | " | " | " | " | " | |
| Dibromomethane | ND | 4.2 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 4.2 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 4.2 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 4.2 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 4.2 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 4.2 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 4.2 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 4.2 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 4.2 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 4.2 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 4.2 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 4.2 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 4.2 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 4.2 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 4.2 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 4.2 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 4.2 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 4.2 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 4.2 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|-------------------------|-----------|--------------------|------------|----------|---------|-----------|----------------|-----------|------|
| • | a | | | | Dilution | Datell | 1 repared | Analyzeu | Menion | 1100 |
| SV3-5 (2107160-07) Soil | Sampled: 07/12/21 12:35 | | 07/12/21 15:44 | | | | | | | |
| p-Isopropyltoluene | | ND | 4.2 | $\mu g/kg$ | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Methylene chloride | | ND | 4.2 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 4.2 | " | " | " | " | " | " | |
| Naphthalene | | ND | 4.2 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 4.2 | " | " | " | " | " | " | |
| Styrene | | ND | 4.2 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 4.2 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 4.2 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 4.2 | " | " | " | " | " | " | |
| Toluene | | ND | 4.2 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 4.2 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 4.2 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 4.2 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 4.2 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 4.2 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 4.2 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 4.2 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 4.2 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 4.2 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 4.2 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 4.2 | " | " | " | " | " | " | |
| o-Xylene | | ND | 4.2 | " | " | " | " | " | " | |
| SV3-10 (2107160-08) Soil | Sampled: 07/12/21 12:39 | Received: | 07/12/21 15:4 | 14 | | | | | | |
| Surrogate: Dibromofluoron | nethane | | 116 % | 80- | 120 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Surrogate: Toluene-d8 | | | 101 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorob | penzene | | 95.2 % | | 121 | " | " | " | " | |
| Benzene | | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| _ * | | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| | | | | | | | ,, | ,, | " | |
| Carbon tetrachloride | | | 5.0 | " | " | " | | | " | |
| Carbon tetrachloride Chlorobenzene | | ND | 5.0 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene Carbon tetrachloride Chlorobenzene Chloroethane Chloroform | | | 5.0 5.0 5.0 | | " | | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|------------|--------------------|------------|----------|---------|----------|----------------|-----------|------|
| SV3-10 (2107160-08) Soil Sampled: 07/12/21 12:39 | 9 Received | : 07/12/21 15: | 44 | | | | | | |
| 2-Chlorotoluene | ND | 5.0 | $\mu g/kg$ | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV3-10 (2107160-08) Soil Sampled: 07/12/21 12:35 | Received: | 07/12/21 15:4 | 14 | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | μg/kg | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| SV3-15 (2107160-09) Soil Sampled: 07/12/21 12:44 | Received: | 07/12/21 15:4 | 14 | | | | | | |
| Surrogate: Dibromofluoromethane | | 118 % | 80- | 120 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 101 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 95.7 % | 74- | 121 | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | ,, | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | ,, | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | ,, | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | ,, | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | ,, | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | ,, | " | " | ,, | " | " | |
| 1,3-Dichloropropane | ND ND | 5.0 | ,, | " | " | ,, | " | " | |
| 1,5-Dienioropropane | מאז | 5.0 | | | | | | | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV3-15 (2107160-09) Soil | Sampled: 07/12/21 12:44 | Received: | 07/12/21 15: | 44 | | | | | | |
| 2,2-Dichloropropane | | ND | 5.0 | μg/kg | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| 1,1-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | | ND | 5.0 | | ,, | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|--------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV4-5 (2107160-10) Soil Sampled: 07/12/21 13:0 | 09 Received: | 07/12/21 15:44 | | | | | | | |
| Surrogate: Dibromofluoromethane | | 117 % | | 120 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 100 % | 81- | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 94.6 % | | 121 | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | | " | " | " | " | |
| Ethylbenzene | ND | 5.0 | " | ,, | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.0 | ,, | " | " | ,, | ,, | ,, | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|-------------------------------|---|-----------|--------------------|-------|----------|---------|-----------|----------------|-----------|------|
| | 0 1 1 0 7 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | | | | Dilution | Daton | 1 repared | , mary zou | Memou | 1100 |
| SV4-5 (2107160-10) Soil | Sampled: 07/12/21 13:09 | | | | | | | | | |
| p-Isopropyltoluene | | ND | 5.0 | μg/kg | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Methylene chloride | | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 5.0 | | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 5.0 | " | " | " | | " | " | |
| Trichloroethene | | ND | 5.0 | " | " | " | " | " | | |
| Trichlorofluoromethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 5.0 | " | " | " | | " | " | |
| m,p-Xylene | | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | | ND | 5.0 | " | " | " | " | " | " | |
| SV4-10 (2107160-11) Soil | Sampled: 07/12/21 13:18 | Received: | 07/12/21 15:4 | 14 | | | | | | |
| Surrogate: Dibromofluorom | ethane | | 119 % | 80- | -120 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Surrogate: Toluene-d8 | | | 99.8 % | 81- | -117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobe | enzene | | 94.6 % | 74- | -121 | " | " | " | " | |
| Benzene | | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | | ND | 5.0 | " | " | " | " | " | " | |
| | | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | | | | ,, | | " | " | " | " | |
| Chlorobenzene Chloroethane | | ND | 5.0 | " | | | | | | |
| | | ND ND | 5.0 | " | ,, | " | ,, | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV4-10 (2107160-11) Soil Sampled: 07/12/21 13:18 | Received: | 07/12/21 15:4 | 44 | | | | | | |
| 2-Chlorotoluene | ND | 5.0 | μg/kg | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|--------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV4-10 (2107160-11) Soil Sampled: 07/12/21 13 | :18 Received | : 07/12/21 15:4 | 44 | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | μg/kg | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| SV4-15 (2107160-12) Soil Sampled: 07/12/21 13 | :21 Received | : 07/12/21 15:4 | 44 | | | | | | |
| Surrogate: Dibromofluoromethane | | 118 % | 80- | 120 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 101 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 94.5 % | 74- | 121 | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |



Mearns Consulting LLC
Project: Town Center Northwest

738 Ashland Avenue
Project Number: [none]

738 Ashland AvenueProject Number:
[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV4-15 (2107160-12) Soil | Sampled: 07/12/21 13:21 | Received: | 07/12/21 15: | 44 | | | | | | |
| 2,2-Dichloropropane | | ND | 5.0 | μg/kg | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| 1,1-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 5.0 | | " | " | " | " | " | |
| Vinyl chloride | | ND | 5.0 | | " | " | " | " | " | |
| m,p-Xylene | | ND | 5.0 | | " | " | " | " | " | |
| o-Xylene | | ND | 5.0 | " | " | " | " | ,, | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|--------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV5-5 (2107160-13) Soil Sampled: 07/12/21 13:5 | 50 Received: | 07/12/21 15:44 | | | | | | | |
| Surrogate: Dibromofluoromethane | | 118 % | 80- | | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 102 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 94.0 % | 74- | | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|-------------------------|----------------|--------------------|-------|----------|---------|-----------|----------------|-----------|------|
| • | | | | | Dilution | Datell | 1 repared | Analyzeu | Menion | 1100 |
| SV5-5 (2107160-13) Soil | Sampled: 07/12/21 13:50 | | 7/12/21 15:44 | 1 | | | | | | |
| p-Isopropyltoluene | | ND | 5.0 | μg/kg | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Methylene chloride | | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | | ND | 5.0 | " | " | " | " | " | " | |
| SV5-10 (2107160-14) Soil | Sampled: 07/12/21 14:02 | Received: | 07/12/21 15:4 | 14 | | | | | | |
| Surrogate: Dibromofluoron | nethane | | 100 % | 80- | 120 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Surrogate: Toluene-d8 | | | 101 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorob | penzene | | 93.4 % | 74- | 121 | " | " | " | " | |
| Benzene | | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| | | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| • | | | | | | " | " | " | " | |
| Carbon tetrachloride | | ND | 5.0 | " | " | | | | | |
| tert-Butylbenzene Carbon tetrachloride Chlorobenzene Chloroethane | | ND ND | 5.0 5.0 | " | " | ,, | " | " | " | |
| Carbon tetrachloride | | ND ND ND | 5.0 5.0 5.0 | | " | | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|-------------|--------------------|------------|----------|---------|----------|----------------|-----------|------|
| SV5-10 (2107160-14) Soil Sampled: 07/12/21 14:02 | 2 Received: | 07/12/21 15: | 44 | | | | <u> </u> | | |
| 2-Chlorotoluene | ND | 5.0 | μg/kg | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| 4-Chlorotoluene | ND | 5.0 | μg/kg " | " | B1G1312 | " | " | " " | |
| Dibromochloromethane | ND | 5.0 | | " | ,, | ,, | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | ,, | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | ,, | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | ,, | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | ,, | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | ,, | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | ,, | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | ,, | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | ,, | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | ,, | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | ,, | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | ,, | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | ,, | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | ,, | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | ,, | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | ,, | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | ,, | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | ,, | " | |
| Ethylbenzene | ND | 5.0 | " | " | " | " | ,, | " | |
| Hexachlorobutadiene | ND | 5.0 | " | " | ,, | " | " | " | |
| Isopropylbenzene | ND | 5.0 | " | " | " | " | ,, | " | |
| p-Isopropyltoluene | ND | 5.0 | " | " | " | " | ,, | " | |
| Methylene chloride | ND | 5.0 | " | " | " | " | ,, | " | |
| Methyl tert-butyl ether | ND | 5.0 | " | " | " | " | ,, | " | |
| Naphthalene | ND | 5.0 | " | " | " | " | ,, | " | |
| n-Propylbenzene | ND | 5.0 | " | " | " | " | ,, | " | |
| Styrene | ND | 5.0 | " | " | " | " | ,, | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | ,, | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | ,, | " | |
| Tetrachloroethene | ND | 5.0 | " | " | " | " | ,, | " | |
| Toluene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | " | " | ,, | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | " | " | ,, | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.0 | " | " | ,, | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.0 | " | " | ,, | " | " | " | |
| Trichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 5.0 | ,, | ,, | ,, | ,, | ,, | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV5-10 (2107160-14) Soil Sampled: 07/12/21 14 | :02 Received: | 07/12/21 15:4 | 14 | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | μg/kg | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| SV5-15 (2107160-15) Soil Sampled: 07/12/21 14 | :07 Received: | 07/12/21 15:4 | 14 | | | | | | |
| Surrogate: Dibromofluoromethane | | 100 % | 80- | 120 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 101 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 94.1 % | 74- | 121 | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | n . | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| ,- FF | | *** | | | | | | | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV5-15 (2107160-15) Soil | Sampled: 07/12/21 14:07 | Received | : 07/12/21 15: | 44 | | | | | | |
| 2,2-Dichloropropane | | ND | 5.0 | μg/kg | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| 1,1-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|-------------|--------------------|--------|----------|---------|----------|----------------|-----------|------|
| | | | JII.03 | Dianon | Dateii | Trepared | 7 mary 200 | menou | Note |
| SV1-5 (2107160-01) Soil Sampled: 07/12/21 08:54 | Received: 0 | 7/12/21 15:44 | | | | | | | |
| Surrogate: 2-Fluorophenol | | 99.9 % | 25-1 | | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 102 % | 24-1 | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 67.5 % | 23-1 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 41.6 % | 30-1 | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 28.7 % | 19-1 | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 119 % | 18-1 | | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV1-5 (2107160-01) Soil | Sampled: 07/12/21 08:54 | Received: | 07/12/21 15:4 | 4 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | e | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | ; | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV1-10 (2107160-02) Soil Sampled: 07/12/21 10:39 | Received | : 07/12/21 15:4 | 4 | | | | | | |
| Surrogate: 2-Fluorophenol | | 107 % | 25- | | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 104 % | 24- | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 64.3 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 68.0 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 31.5 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 73.0 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV1-10 (2107160-02) Soil | Sampled: 07/12/21 10:39 | Received | : 07/12/21 15:4 | 44 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV1-15 (2107160-03) Soil Sampled: 07/12/21 10:43 | Received | : 07/12/21 15:4 | 4 | | | | | | |
| Surrogate: 2-Fluorophenol | | 118 % | 25- | | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 101 % | 24- | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 64.5 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 58.7 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 27.1 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 94.1 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV1-15 (2107160-03) Soil | Sampled: 07/12/21 10:43 | Received | : 07/12/21 15: | 44 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV2-5 (2107160-04) Soil Sampled: 07/12/21 11:20 | Received: | 07/12/21 15:44 | | | | | | | |
| Surrogate: 2-Fluorophenol | | 115 % | | 121 | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 105 % | 24- | 113 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 75.7 % | | 120 | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 69.5 % | | 115 | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 76.1 % | | 122 | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 96.6 % | | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | ,, | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | | ,, | ,, | ,, | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV2-5 (2107160-04) Soil | Sampled: 07/12/21 11:20 | Received: | 07/12/21 15:4 | 4 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | ; | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | ,, | " | " | " | ,, | ,, | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV2-10 (2107160-05) Soil Sampled: 07/12/21 11:23 | Received: | : 07/12/21 15:4 | 4 | | | | | | |
| Surrogate: 2-Fluorophenol | | 63.4 % | 25- | | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 90.1 % | | 113 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 82.0 % | | 120 | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 86.8 % | | 115 | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 53.8 % | | 122 | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 92.7 % | | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | ,, | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV2-10 (2107160-05) Soil | Sampled: 07/12/21 11:23 | Received | : 07/12/21 15:4 | 44 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV2-15 (2107160-06) Soil Sampled: 07/12/21 11:36 | Received | : 07/12/21 15:4 | 4 | | | | | | |
| Surrogate: 2-Fluorophenol | | 61.9 % | 25- | | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 110 % | 24- | 113 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 80.1 % | | 120 | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 94.3 % | | 115 | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 51.8 % | | 122 | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 111 % | | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV2-15 (2107160-06) Soil | Sampled: 07/12/21 11:36 | Received | : 07/12/21 15:4 | 44 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|-------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV3-5 (2107160-07) Soil Sampled: 07/12/21 12:3 | 5 Received: | 07/12/21 15:44 | | | | | | | |
| Surrogate: 2-Fluorophenol | | 63.7 % | 25- | | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 70.1 % | | 113 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 83.4 % | | 120 | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 82.1 % | | 115 | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 56.1 % | | 122 | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 89.4 % | | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV3-5 (2107160-07) Soil | Sampled: 07/12/21 12:35 | Received: | 07/12/21 15:4 | 4 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | ; | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV3-10 (2107160-08) Soil Sampled: 07/12/21 12:39 | Received | : 07/12/21 15:4 | 4 | | | | | | |
| Surrogate: 2-Fluorophenol | | 72.1 % | 25- | | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 59.9 % | 24- | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 97.4 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 114 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 35.7 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 87.6 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV3-10 (2107160-08) Soil | Sampled: 07/12/21 12:39 | Received | : 07/12/21 15:4 | 44 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | ,, | ,, | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------|--------------------|-------|-----------|---------|----------|----------------|-----------|-------|
| SV3-15 (2107160-09) Soil Sampled: 07/12/21 12:44 | Received | l: 07/12/21 15:4 | 14 | | | | | | |
| Surrogate: 2-Fluorophenol | | 103 % | 25-12 | | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 69.7 % | 24-11 | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 102 % | 23-12 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 41.5 % | 30-11 | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 53.9 % | 19-12 | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 89.7 % | 18-13 | <i>37</i> | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV3-15 (2107160-09) Soil | Sampled: 07/12/21 12:44 | Received | : 07/12/21 15:4 | 44 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | ,, | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | ,, | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | ,, | ,, | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV4-5 (2107160-10) Soil Sampled: 07/12/21 13:09 | Received: | 07/12/21 15:44 | | | | | | | |
| Surrogate: 2-Fluorophenol | | 103 % | | 121 | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 65.7 % | | 113 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 95.9 % | | 120 | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 48.8 % | | 115 | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 58.5 % | | 122 | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 88.0 % | | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | ,, | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV4-5 (2107160-10) Soil | Sampled: 07/12/21 13:09 | Received: | 07/12/21 15:4 | 4 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | e | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | ; | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

$Semivolatile\ Organic\ Compounds\ by\ EPA\ Method\ 8270C$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV4-10 (2107160-11) Soil Sampled: 07/12/21 13:18 | Received | : 07/12/21 15:4 | 4 | | | | | | |
| Surrogate: 2-Fluorophenol | | 106 % | 25- | | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 53.9 % | 24- | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 74.9 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 75.3 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 51.7 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 94.0 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV4-10 (2107160-11) Soil | Sampled: 07/12/21 13:18 | Received | : 07/12/21 15:4 | 14 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| | | | | | | pmed | , 2.00 | | 1.500 |
| SV4-15 (2107160-12) Soil Sampled: 07/12/21 13:21 | Keceived: | 0//12/21 15:4 | 4 | | | | | | |
| Surrogate: 2-Fluorophenol | | 109 % | 25-12 | | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 82.7 % | 24-1 | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 99.5 % | 23-12 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 74.4 % | 30-1 | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 49.5 % | 19-12 | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 78.1 % | 18-1. | | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV4-15 (2107160-12) Soil | Sampled: 07/12/21 13:21 | Received | : 07/12/21 15:4 | 44 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV5-5 (2107160-13) Soil Sampled: 07/12/21 13:50 | Received: | 07/12/21 15:44 | | | | | | | |
| Surrogate: 2-Fluorophenol | | 111 % | 25-1 | | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 85.4 % | 24- | !13 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 101 % | 23-1 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 49.9 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 35.5 % | 19-1 | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 88.2 % | 18-1 | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | ,, | | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | ,, | ,, | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | ,, | " | " | ,, | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV5-5 (2107160-13) Soil | Sampled: 07/12/21 13:50 | Received: | 07/12/21 15:4 | 4 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | 2 | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | ; | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV5-10 (2107160-14) Soil Sampled: 07/12/21 14:02 | Received | : 07/12/21 15:4 | 4 | | | | | | |
| Surrogate: 2-Fluorophenol | | 55.4 % | 25- | | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 98.9 % | 24- | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 60.5 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 81.9 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 39.9 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 117 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV5-10 (2107160-14) Soil | Sampled: 07/12/21 14:02 | Received | : 07/12/21 15: | 44 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV5-15 (2107160-15) Soil Sampled: 07/12/21 14:07 | Received | 1: 07/12/21 15:4 | 14 | | | | | | |
| Surrogate: 2-Fluorophenol | | 91.5 % | | 121 | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 61.0 % | | 113 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 39.5 % | | 120 | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 72.5 % | | 115 | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 83.1 % | | 122 | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 85.4 % | | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | ,, | " | |
| 2,4-Dinitrophenol | ND | 0.33 | ,, | ,, | ,, | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | ,, | ,, | " | " | |
| 4,0-Dimuo-2-ineuryiphenoi | ND | 0.33 | | | | | | | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV5-15 (2107160-15) Soil | Sampled: 07/12/21 14:07 | Received | : 07/12/21 15: | 14 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



Santa Monica CA, 90405 Project Manager: Susan Mearns 07/19/21 09:26

$Metals\ by\ EPA\ 6000/7000\ Series\ Methods\ -\ Quality\ Control$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------------|--------|--------------------|-------|----------------|------------------|-------------|----------------|------|--------------|-------|
| Batch B1G1307 - EPA 3060A | | | | | | | | | | |
| Blank (B1G1307-BLK1) | | | | Prepared: 0 | 07/13/21 A | nalyzed: 07 | /14/21 | | | |
| Hexavalent Chromium | ND | 0.10 | mg/kg | | | | | | | |
| LCS (B1G1307-BS1) | | | | Prepared: 0 |)7/13/21 Aı | nalyzed: 07 | /14/21 | | | |
| Hexavalent Chromium | 0.151 | 0.10 | mg/kg | 0.150 | | 101 | 80-120 | | | |
| Matrix Spike (B1G1307-MS1) | Sour | ce: 2107160- | 01 | Prepared: 0 |)7/13/21 Aı | nalyzed: 07 | /14/21 | | | |
| Hexavalent Chromium | 0.160 | 0.10 | mg/kg | 0.149 | ND | 107 | 75-125 | | | |
| Matrix Spike Dup (B1G1307-MSD1) | Sour | ce: 2107160- | 01 | Prepared: 0 |)7/13/21 Aı | nalyzed: 07 | /14/21 | | | |
| Hexavalent Chromium | 0.154 | 0.10 | mg/kg | 0.149 | ND | 104 | 75-125 | 3.48 | 20 | |
| Batch B1G1308 - EPA 3050B | | | | | | | | | | |
| Blank (B1G1308-BLK1) | | | | Prepared: 0 | 07/13/21 A | nalyzed: 07 | /14/21 | | | |
| Barium | ND | 6.0 | mg/kg | | | | | | | |
| Beryllium | ND | 2.2 | " | | | | | | | |
| Antimony | ND | 8.0 | " | | | | | | | |
| Cadmium | ND | 2.5 | " | | | | | | | |
| Lead | ND | 7.1 | " | | | | | | | |
| Thallium | ND | 17 | " | | | | | | | |
| Nickel | ND | 3.0 | " | | | | | | | |
| Selenium | ND | 6.9 | " | | | | | | | |
| Chromium | ND | 2.3 | " | | | | | | | |
| Molybdenum | ND | 5.2 | " | | | | | | | |
| Copper | ND | 5.0 | " | | | | | | | |
| Cobalt | ND | 3.3 | " | | | | | | | |
| Zinc | ND | 7.0 | " | | | | | | | |
| Silver | ND | 2.0 | " | | | | | | | |
| Arsenic | ND | 5.5 | " | | | | | | | |
| Vanadium | ND | 5.1 | " | | | | | | | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reported:



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/19/21 09:26

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

| Batch B1G1308 - EPA 3050B | | | | | | | | | |
|---------------------------|------|-----|-------|----------------|-------------------|--------|-------|----|--|
| LCS (B1G1308-BS1) | | | | Prepared: 07/1 | 3/21 Analyzed: 07 | /14/21 | | | |
| Cadmium | 94.4 | 2.5 | mg/kg | 100 | 94.4 | 80-120 | | | |
| Zinc | 99.5 | 7.0 | " | 100 | 99.5 | 80-120 | | | |
| Molybdenum | 111 | 5.2 | " | 100 | 111 | 80-120 | | | |
| Chromium | 85.0 | 2.3 | " | 100 | 85.0 | 80-120 | | | |
| Nickel | 113 | 3.0 | " | 100 | 113 | 80-120 | | | |
| Cobalt | 80.4 | 3.3 | " | 100 | 80.4 | 80-120 | | | |
| Silver | 89.3 | 2.0 | " | 100 | 89.3 | 60-140 | | | |
| Lead | 101 | 7.1 | " | 100 | 101 | 80-120 | | | |
| Copper | 103 | 5.0 | " | 100 | 103 | 78-122 | | | |
| Arsenic | 109 | 5.5 | " | 100 | 109 | 78-122 | | | |
| Barium | 99.8 | 6.0 | " | 100 | 99.8 | 80-120 | | | |
| Selenium | 95.1 | 6.9 | " | 100 | 95.1 | 76-124 | | | |
| Thallium | 97.4 | 17 | " | 100 | 97.4 | 80-120 | | | |
| Vanadium | 99.8 | 5.1 | " | 100 | 99.8 | 80-120 | | | |
| Beryllium | 98.2 | 2.2 | " | 100 | 98.2 | 80-120 | | | |
| Antimony | 110 | 8.0 | " | 100 | 110 | 75-125 | | | |
| LCS Dup (B1G1308-BSD1) | | | | Prepared: 07/1 | 3/21 Analyzed: 07 | /14/21 | | | |
| Nickel | 116 | 3.0 | mg/kg | 100 | 116 | 80-120 | 2.60 | 20 | |
| Vanadium | 95.9 | 5.1 | " | 100 | 95.9 | 80-120 | 3.99 | 20 | |
| Antimony | 94.0 | 8.0 | " | 100 | 94.0 | 75-125 | 16.0 | 20 | |
| Lead | 96.8 | 7.1 | " | 100 | 96.8 | 80-120 | 4.37 | 20 | |
| Thallium | 96.3 | 17 | " | 100 | 96.3 | 80-120 | 1.11 | 20 | |
| Selenium | 94.0 | 6.9 | " | 100 | 94.0 | 76-124 | 1.22 | 20 | |
| Copper | 113 | 5.0 | " | 100 | 113 | 78-122 | 9.46 | 20 | |
| Zinc | 87.6 | 7.0 | " | 100 | 87.6 | 80-120 | 12.6 | 20 | |
| Molybdenum | 96.4 | 5.2 | " | 100 | 96.4 | 80-120 | 13.8 | 20 | |
| Cadmium | 94.6 | 2.5 | " | 100 | 94.6 | 80-120 | 0.212 | 20 | |
| Arsenic | 105 | 5.5 | " | 100 | 105 | 78-122 | 3.43 | 20 | |
| Barium | 101 | 6.0 | " | 100 | 101 | 80-120 | 0.948 | 20 | |
| Beryllium | 104 | 2.2 | " | 100 | 104 | 80-120 | 5.48 | 20 | |
| Silver | 92.1 | 2.0 | " | 100 | 92.1 | 60-140 | 3.03 | 40 | |
| Cobalt | 97.7 | 3.3 | " | 100 | 97.7 | 80-120 | 19.5 | 20 | |
| Chromium | 99.7 | 2.3 | " | 100 | 99.7 | 80-120 | 15.9 | 20 | |
| | | | | | | | | | |



Cobalt

Mearns Consulting LLC Project: Town Center Northwest

738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

| Batch B1G1308 - EPA 3050B | | | | | | | | | |
|---------------------------------|-----------|---------|-------|-------------|------------|-------------|---------|------|----|
| Matrix Spike (B1G1308-MS1) | Source: 2 | 107160- | 01 | Prepared: (| 07/13/21 A | nalyzed: 07 | //14/21 | | |
| Lead | 95.9 | 7.1 | mg/kg | 99.0 | 5.52 | 91.3 | 70-130 | | |
| Arsenic | 88.1 | 5.5 | " | 99.0 | ND | 89.0 | 70-130 | | |
| Copper | 114 | 5.0 | " | 99.0 | 8.79 | 106 | 70-130 | | |
| Barium | 160 | 6.0 | " | 99.0 | 67.9 | 93.5 | 70-130 | | |
| Antimony | 91.4 | 8.0 | " | 99.0 | 1.56 | 90.8 | 60-140 | | |
| Chromium | 95.2 | 2.3 | " | 99.0 | 9.80 | 86.2 | 70-130 | | |
| Cadmium | 92.0 | 2.5 | " | 99.0 | 0.470 | 92.4 | 70-130 | | |
| Silver | 100 | 2.0 | " | 99.0 | ND | 101 | 60-140 | | |
| Molybdenum | 80.0 | 5.2 | " | 99.0 | 0.644 | 80.2 | 70-130 | | |
| Thallium | 91.3 | 17 | " | 99.0 | ND | 92.2 | 70-130 | | |
| Selenium | 87.0 | 6.9 | " | 99.0 | ND | 87.8 | 70-130 | | |
| Vanadium | 97.6 | 5.1 | " | 99.0 | 14.8 | 83.6 | 70-130 | | |
| Nickel | 93.3 | 3.0 | " | 99.0 | 6.44 | 87.7 | 70-130 | | |
| Cobalt | 99.8 | 3.3 | " | 99.0 | 5.40 | 95.4 | 70-130 | | |
| Zinc | 114 | 7.0 | " | 99.0 | 27.3 | 87.7 | 70-130 | | |
| Beryllium | 79.7 | 2.2 | " | 99.0 | 0.446 | 80.0 | 70-130 | | |
| Matrix Spike Dup (B1G1308-MSD1) | Source: 2 | 107160- | 01 | Prepared: (| 07/13/21 A | nalyzed: 07 | 7/14/21 | | |
| Silver | 95.7 | 2.0 | mg/kg | 98.4 | ND | 97.3 | 60-140 | 4.62 | 40 |
| Vanadium | 104 | 5.1 | " | 98.4 | 14.8 | 90.6 | 70-130 | 6.34 | 20 |
| Thallium | 99.6 | 17 | " | 98.4 | ND | 101 | 70-130 | 8.64 | 20 |
| Zinc | 122 | 7.0 | " | 98.4 | 27.3 | 96.6 | 70-130 | 7.05 | 20 |
| Chromium | 99.0 | 2.3 | " | 98.4 | 9.80 | 90.7 | 70-130 | 3.96 | 20 |
| Molybdenum | 85.9 | 5.2 | " | 98.4 | 0.644 | 86.7 | 70-130 | 7.17 | 20 |
| Copper | 123 | 5.0 | " | 98.4 | 8.79 | 116 | 70-130 | 7.73 | 30 |
| Antimony | 98.7 | 8.0 | " | 98.4 | 1.56 | 98.7 | 60-140 | 7.69 | 20 |
| Barium | 175 | 6.0 | " | 98.4 | 67.9 | 109 | 70-130 | 8.76 | 20 |
| Lead | 104 | 7.1 | " | 98.4 | 5.52 | 100 | 70-130 | 8.31 | 30 |
| Beryllium | 85.1 | 2.2 | " | 98.4 | 0.446 | 86.0 | 70-130 | 6.57 | 20 |
| Nickel | 98.9 | 3.0 | " | 98.4 | 6.44 | 93.9 | 70-130 | 5.80 | 20 |
| Cadmium | 95.7 | 2.5 | " | 98.4 | 0.470 | 96.8 | 70-130 | 3.98 | 20 |
| Arsenic | 97.4 | 5.5 | " | 98.4 | ND | 98.9 | 70-130 | 10.0 | 20 |
| Selenium | 96.1 | 6.9 | " | 98.4 | ND | 97.6 | 70-130 | 10.0 | 20 |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

3.3

105

5.40

102

70-130



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/19/21 09:26

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------|--------|-------------|-------|------------|-----------|----------|--------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch B1G1309 - EPA 7471A | | | | | | | | | | |
| Blank (B1G1309-BLK1) | | | | Prepared & | Analyzed: | 07/13/21 | | | | |
| Mercury | ND | 0.90 | mg/kg | | | | | | | |
| LCS (B1G1309-BS1) | | | | Prepared & | Analyzed: | 07/13/21 | | | | |
| Mercury | 0.16 | 0.90 | mg/kg | 0.167 | | 94.9 | 70-130 | | | |
| Matrix Spike (B1G1309-MS1) | Source | : 2107160-0 |)1 | Prepared & | Analyzed: | 07/13/21 | | | | |
| Mercury | 0.15 | 0.90 | mg/kg | 0.158 | ND | 97.6 | 70-130 | | | |
| Matrix Spike Dup (B1G1309-MSD1) | Source | : 2107160-0 |)1 | Prepared & | Analyzed: | 07/13/21 | | | | |
| Mercury | 0.16 | 0.90 | mg/kg | 0.157 | ND | 99.4 | 70-130 | 1.67 | 30 | |



738 Ashland AvenueProject Number: [none]Reported:Santa Monica CA, 90405Project Manager: Susan Mearns07/19/21 09:26

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|--|--------|--------------|-------|-------------|-------------|-------------|--------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch B1G1302 - EPA 5035 P & T | | | | | | | | | | |
| Blank (B1G1302-BLK1) | | | | Prepared: 0 |)7/13/21 Aı | nalyzed: 07 | /14/21 | | | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | mg/kg | | | | | | | |
| LCS (B1G1302-BS1) | | | | Prepared: 0 |)7/13/21 Aı | nalyzed: 07 | /14/21 | | | |
| Gasoline Range Hydrocarbons (C4-C12) | 0.525 | 0.050 | mg/kg | 0.600 | | 87.5 | 80-120 | | | |
| Matrix Spike (B1G1302-MS1) | Sour | ce: 2107160- | 01 | Prepared: 0 |)7/13/21 Aı | nalyzed: 07 | /14/21 | | | |
| Gasoline Range Hydrocarbons (C4-C12) | 0.493 | 0.050 | mg/kg | 0.600 | ND | 82.2 | 50-150 | | | |
| Matrix Spike Dup (B1G1302-MSD1) | Sour | ce: 2107160- | 01 | Prepared: 0 |)7/13/21 Aı | nalyzed: 07 | /14/21 | | | |
| Gasoline Range Hydrocarbons (C4-C12) | 0.551 | 0.050 | mg/kg | 0.600 | ND | 91.8 | 50-150 | 11.1 | 30 | |
| Batch B1G1401 - EPA 3550B Solid Ext | | | | | | | | | | |
| Blank (B1G1401-BLK1) | | | | Prepared & | : Analyzed: | 07/14/21 | | | | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | mg/kg | | | | | | | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | | | | | | | |
| LCS (B1G1401-BS1) | | | | Prepared & | Analyzed: | 07/14/21 | | | | |
| Diesel Range Organics (C10-C24) | 16.9 | 5.0 | mg/kg | 20.0 | | 84.4 | 80-120 | | | |
| Matrix Spike (B1G1401-MS1) | Sour | ce: 2107164- | 04 | Prepared & | : Analyzed: | 07/14/21 | | | | |
| Diesel Range Organics (C10-C24) | 15.4 | 5.0 | mg/kg | 20.0 | ND | 77.0 | 50-150 | | | |
| Matrix Spike Dup (B1G1401-MSD1) | Sour | ce: 2107164- | 04 | Prepared & | Analyzed: | 07/14/21 | | | | |
| Diesel Range Organics (C10-C24) | 14.7 | 5.0 | mg/kg | 20.0 | ND | 73.4 | 50-150 | 4.74 | 30 | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | | l |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|---|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes | l |

Batch B1G1312 - EPA 5035 P & T

| Blank (B1G1312-BLK1) | | | | Prepared: 07/13/21 Analyzed: 07/14/21 |
|-----------------------------|----|-----|-------|---------------------------------------|
| Benzene | ND | 5.0 | μg/kg | |
| Bromobenzene | ND | 5.0 | " | |
| Bromochloromethane | ND | 5.0 | " | |
| Bromodichloromethane | ND | 5.0 | " | |
| Bromoform | ND | 5.0 | " | |
| Bromomethane | ND | 5.0 | " | |
| n-Butylbenzene | ND | 5.0 | " | |
| sec-Butylbenzene | ND | 5.0 | " | |
| tert-Butylbenzene | ND | 5.0 | " | |
| Carbon tetrachloride | ND | 5.0 | " | |
| Chlorobenzene | ND | 5.0 | " | |
| Chloroethane | ND | 5.0 | " | |
| Chloroform | ND | 5.0 | " | |
| Chloromethane | ND | 5.0 | " | |
| 2-Chlorotoluene | ND | 5.0 | " | |
| 4-Chlorotoluene | ND | 5.0 | " | |
| Dibromochloromethane | ND | 5.0 | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | |
| Dibromomethane | ND | 5.0 | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | |
| Ethylbenzene | ND | 5.0 | " | |
| Hexachlorobutadiene | ND | 5.0 | " | |



738 Ashland AvenueProject Number: [none]Reported:Santa Monica CA, 90405Project Manager: Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

| Ratch | R1G1 | 312 - | EPA | 5035 | P & T |
|-------|------|-------|-----|------|-------|
| | | | | | |

| Blank (B1G1312-BLK1) | | | | Prepared: 07/13/ | 21 Analyzed: 07 | /14/21 | |
|---------------------------|------|-----|-------|------------------|-----------------|--------|--|
| Isopropylbenzene | ND | 5.0 | μg/kg | | - | | |
| p-Isopropyltoluene | ND | 5.0 | " | | | | |
| Methylene chloride | ND | 5.0 | " | | | | |
| Methyl tert-butyl ether | ND | 5.0 | " | | | | |
| Naphthalene | ND | 5.0 | " | | | | |
| n-Propylbenzene | ND | 5.0 | " | | | | |
| Styrene | ND | 5.0 | " | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | " | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | " | | | | |
| Tetrachloroethene | ND | 5.0 | " | | | | |
| Toluene | ND | 5.0 | " | | | | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | " | | | | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | " | | | | |
| ,1,1-Trichloroethane | ND | 5.0 | " | | | | |
| 1,1,2-Trichloroethane | ND | 5.0 | " | | | | |
| Trichloroethene | ND | 5.0 | " | | | | |
| Trichlorofluoromethane | ND | 5.0 | " | | | | |
| 1,2,3-Trichloropropane | ND | 5.0 | " | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | " | | | | |
| ,3,5-Trimethylbenzene | ND | 5.0 | " | | | | |
| Vinyl chloride | ND | 5.0 | " | | | | |
| n,p-Xylene | ND | 5.0 | " | | | | |
| o-Xylene | ND | 5.0 | " | | | | |
| LCS (B1G1312-BS1) | | | | Prepared: 07/13/ | 21 Analyzed: 07 | /14/21 | |
| Benzene | 54.6 | 5.0 | μg/kg | 50.0 | 109 | 80-120 | |
| Chlorobenzene | 47.7 | 5.0 | " | 50.0 | 95.4 | 80-120 | |
| 1,1-Dichloroethene | 56.6 | 5.0 | " | 50.0 | 113 | 80-120 | |
| Toluene | 47.8 | 5.0 | " | 50.0 | 95.6 | 80-120 | |
| Trichloroethene | 55.3 | 5.0 | " | 50.0 | 111 | 80-120 | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

| Ratch | R1G | 1312 - | FPA | 5035 | P & T |
|-------|-----|--------|------------|------|-------|
| | | | | | |

| Matrix Spike (B1G1312-MS1) | Source | : 2107160- | 01 | Prepared: 0 | 7/13/21 A | nalyzed: 07 | 7/14/21 | | |
|---------------------------------|--------|------------|------------|-------------|------------|-------------|---------|-------|----|
| Benzene | 50.2 | 5.0 | $\mu g/kg$ | 50.0 | ND | 100 | 37-151 | | |
| Chlorobenzene | 41.5 | 5.0 | " | 50.0 | ND | 83.0 | 37-160 | | |
| 1,1-Dichloroethene | 51.2 | 5.0 | " | 50.0 | ND | 102 | 50-150 | | |
| Toluene | 43.5 | 5.0 | " | 50.0 | ND | 86.9 | 47-150 | | |
| Trichloroethene | 50.2 | 5.0 | " | 50.0 | ND | 100 | 71-157 | | |
| Matrix Spike Dup (B1G1312-MSD1) | Source | : 2107160- | 01 | Prepared: 0 | 07/13/21 A | nalyzed: 07 | 7/14/21 | | |
| Benzene | 51.0 | 5.0 | μg/kg | 50.0 | ND | 102 | 37-151 | 1.40 | 30 |
| Chlorobenzene | 42.0 | 5.0 | " | 50.0 | ND | 84.0 | 37-160 | 1.20 | 30 |
| 1,1-Dichloroethene | 49.6 | 5.0 | " | 50.0 | ND | 99.2 | 50-150 | 3.21 | 30 |
| Toluene | 43.3 | 5.0 | " | 50.0 | ND | 86.5 | 47-150 | 0.461 | 30 |
| Trichloroethene | 56.5 | 5.0 | " | 50.0 | ND | 113 | 71-157 | 11.8 | 30 |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/19/21 09:26

$Semivolatile\ Organic\ Compounds\ by\ EPA\ Method\ 8270C\ -\ Quality\ Control$

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch B1G1405 - EPA 3550B Solid Ext

| Blank (B1G1405-BLK1) | | | | Prepared & Analyzed: 07/14/21 |
|-----------------------------|----|------|-------|-------------------------------|
| Acenaphthene | ND | 0.33 | mg/kg | |
| Acenaphthylene | ND | 0.33 | " | |
| Anthracene | ND | 0.33 | " | |
| Benzidine | ND | 0.33 | " | |
| Benzo (a) anthracene | ND | 0.33 | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | |
| Benzo (a) pyrene | ND | 0.33 | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | |
| Benzyl alcohol | ND | 0.33 | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | |
| 4-Chloroaniline | ND | 0.33 | " | |
| 2-Chlorophenol | ND | 0.33 | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | |
| Chrysene | ND | 0.33 | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | |
| Dibenzofuran | ND | 0.33 | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | |
| Diethyl phthalate | ND | 0.33 | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | |
| Dimethyl phthalate | ND | 0.33 | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | |
| 2,4-Dinitrotoluene | ND | 0.33 | " | |
| 2,6-Dinitrotoluene | ND | 0.33 | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | | l |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|---|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes | l |

Batch B1G1405 - EPA 3550B Solid Ext

| Blank (B1G1405-BLK1) | | | | Prepared & Analyzed: 07/14/21 |
|---------------------------|----|------|-------|-------------------------------|
| Di-n-octyl phthalate | ND | 0.33 | mg/kg | |
| 1,2-Diphenylhydrazine | ND | 0.33 | " | |
| Fluoranthene | ND | 0.33 | " | |
| Fluorene | ND | 0.33 | " | |
| Hexachlorobenzene | ND | 0.33 | " | |
| Hexachlorobutadiene | ND | 0.33 | " | |
| Hexachlorocyclopentadiene | ND | 0.33 | " | |
| Hexachloroethane | ND | 0.33 | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.33 | " | |
| Isophorone | ND | 0.33 | " | |
| 2-Methylnaphthalene | ND | 0.33 | " | |
| 2-Methylphenol | ND | 0.33 | " | |
| 4-Methylphenol | ND | 0.33 | " | |
| Naphthalene | ND | 0.33 | " | |
| 2-Nitroaniline | ND | 0.33 | " | |
| 3-Nitroaniline | ND | 0.33 | " | |
| 4-Nitroaniline | ND | 0.33 | " | |
| Nitrobenzene | ND | 0.33 | " | |
| 2-Nitrophenol | ND | 0.33 | " | |
| 4-Nitrophenol | ND | 0.33 | " | |
| N-Nitrosodimethylamine | ND | 0.33 | " | |
| Diphenylamine | ND | 0.33 | " | |
| N-Nitrosodi-n-propylamine | ND | 0.33 | " | |
| Pentachlorophenol | ND | 0.33 | " | |
| Phenanthrene | ND | 0.33 | " | |
| Phenol | ND | 0.33 | " | |
| Pyrene | ND | 0.33 | " | |
| 1,2,4-Trichlorobenzene | ND | 0.33 | " | |
| 2,4,5-Trichlorophenol | ND | 0.33 | " | |
| 2,4,6-Trichlorophenol | ND | 0.33 | " | |



738 Ashland AvenueProject Number: [none]Reported:Santa Monica CA, 90405Project Manager: Susan Mearns07/19/21 09:26

$Semivolatile\ Organic\ Compounds\ by\ EPA\ Method\ 8270C\ -\ Quality\ Control$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-------------------------------------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
| Batch B1G1405 - EPA 3550B Solid Ext | | | | | | | | | | |

| LCS (B1G1405-BS1) | | | | Prepared & | Analyzed: | 07/14/21 | | | | |
|---------------------------------|-------|-------------|-------|------------|-----------|----------|--------|-------|----|--|
| Acenaphthene | 0.858 | 0.33 | mg/kg | 1.00 | | 85.8 | 47-145 | | | |
| 2-Chlorophenol | 1.86 | 0.33 | " | 2.00 | | 93.2 | 23-134 | | | |
| 4-Chloro-3-methylphenol | 2.15 | 0.33 | " | 2.00 | | 108 | 22-147 | | | |
| 1,4-Dichlorobenzene | 0.795 | 0.33 | " | 1.00 | | 79.5 | 20-124 | | | |
| 2,4-Dinitrotoluene | 0.517 | 0.33 | " | 1.00 | | 51.7 | 39-139 | | | |
| 4-Nitrophenol | 0.628 | 0.33 | " | 2.00 | | 31.4 | 0-132 | | | |
| N-Nitrosodi-n-propylamine | 0.741 | 0.33 | " | 1.00 | | 74.1 | 0-230 | | | |
| Pentachlorophenol | 0.387 | 0.33 | " | 2.00 | | 19.4 | 14-176 | | | |
| Phenol | 1.56 | 0.33 | " | 2.00 | | 77.9 | 5-112 | | | |
| Pyrene | 1.09 | 0.33 | " | 1.00 | | 109 | 52-115 | | | |
| 1,2,4-Trichlorobenzene | 0.632 | 0.33 | " | 1.00 | | 63.2 | 44-142 | | | |
| Matrix Spike (B1G1405-MS1) | Sourc | e: 2107160- | 01 | Prepared & | Analyzed: | 07/14/21 | | | | |
| Acenaphthene | 0.942 | 0.33 | mg/kg | 1.00 | ND | 94.2 | 47-145 | | | |
| 2-Chlorophenol | 1.93 | 0.33 | " | 2.00 | ND | 96.3 | 23-134 | | | |
| -Chloro-3-methylphenol | 1.89 | 0.33 | " | 2.00 | ND | 94.4 | 22-147 | | | |
| ,4-Dichlorobenzene | 0.919 | 0.33 | " | 1.00 | ND | 91.9 | 20-124 | | | |
| 2,4-Dinitrotoluene | 0.541 | 0.33 | " | 1.00 | ND | 54.1 | 39-139 | | | |
| -Nitrophenol | 0.607 | 0.33 | " | 2.00 | ND | 30.4 | 0-132 | | | |
| N-Nitrosodi-n-propylamine | 0.885 | 0.33 | " | 1.00 | ND | 88.5 | 0-230 | | | |
| Pentachlorophenol | 0.571 | 0.33 | " | 2.00 | ND | 28.6 | 14-176 | | | |
| Phenol | 1.62 | 0.33 | " | 2.00 | ND | 81.0 | 5-112 | | | |
| Pyrene | 0.917 | 0.33 | " | 1.00 | ND | 91.7 | 52-115 | | | |
| ,2,4-Trichlorobenzene | 0.831 | 0.33 | " | 1.00 | ND | 83.1 | 44-142 | | | |
| Matrix Spike Dup (B1G1405-MSD1) | Sourc | e: 2107160- | 01 | Prepared & | Analyzed: | 07/14/21 | | | | |
| Acenaphthene | 1.02 | 0.33 | mg/kg | 1.00 | ND | 102 | 47-145 | 7.46 | 30 | |
| -Chlorophenol | 2.10 | 0.33 | " | 2.00 | ND | 105 | 23-134 | 8.88 | 30 | |
| -Chloro-3-methylphenol | 1.81 | 0.33 | " | 2.00 | ND | 90.3 | 22-147 | 4.49 | 30 | |
| 1,4-Dichlorobenzene | 0.983 | 0.33 | " | 1.00 | ND | 98.3 | 20-124 | 6.73 | 30 | |
| 2,4-Dinitrotoluene | 0.466 | 0.33 | " | 1.00 | ND | 46.6 | 39-139 | 14.9 | 30 | |
| 4-Nitrophenol | 0.644 | 0.33 | " | 2.00 | ND | 32.2 | 0-132 | 5.92 | 30 | |
| N-Nitrosodi-n-propylamine | 0.913 | 0.33 | " | 1.00 | ND | 91.3 | 0-230 | 3.11 | 30 | |
| Pentachlorophenol | 0.595 | 0.33 | " | 2.00 | ND | 29.8 | 14-176 | 4.12 | 30 | |
| Phenol | 1.63 | 0.33 | " | 2.00 | ND | 81.4 | 5-112 | 0.492 | 30 | |
| Pyrene | 1.15 | 0.33 | " | 1.00 | ND | 115 | 52-115 | 22.3 | 30 | |
| 1,2,4-Trichlorobenzene | 0.863 | 0.33 | " | 1.00 | ND | 86.3 | 44-142 | 3.78 | 30 | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Notes and Definitions

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

Rev. 120121

SIERRA ANALYTICAL

CHAIN OF CUSTODY RECORD

TEL: 949 • 348 • 9389 FAX: 949 · 348 · 9115 Date: 7 / 12 / 21 Page: 1 of 2

2107160. 26052 Merit Circle • Suite 104 • Laguna Hills, CA • 92653 Client: MEARNS Analyses Requested Client Project ID: Client Address: CONGULTING COPP Geotracker EDD Info: 5035B 738 ASHLAND AJE TOWN CENTER NORTHWEST SANTA MONICA 90405 Sol5B 8015B 801513 Client LOGCODE Immediate 24 Hour Turn Around 82boB 310 403 1921 Time Requested: METALS Client Tel. No.: 48 Hour 72 Hour Client Fax. No.: 4 Day ☐ 5 Day MEARNS HID Client Proj. Mgr.: Normai Site Global ID Mobile Mobile है さらさ No. of Sierra Container Client Sample ID. Date Time Matrix Preservative Containers No Field Point Names / Type Comments WE STAIGHT 541-5 01. 7-12-21 401L 0854 D048V VOA VIAIC SVI. lo 07 1039 03 SVI-15 1043 SV2.5 OY 1120 05 SV2-10 1123 06 SV2-15 1136 07 SV3.5 1235 X 00 1239 543.6 SV3.15 04 1244 12 544.5 1309 SHOPER VILL HAND DELIVERED Total Number of Containers Submitted to Sample Disposal: Ó Return to Client The delivery of samples and the signature on this chain of custody form constitutes A) 7/12/41 outborization to perform the analyses specified above under SIERRA's Terms and Lab Dhoese! * Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT. 1544 Archive ____ mos. * - Samples determined to be bazardous by STERRA will be returned to CLIENT. Total Number of Containers Received by Relinquished By Received By Laboratory FOR LABORATORY USE ONLY. Sample Receipt Conditions:

Chillot. Temp (CO) ⅓ Rolinguation Dy Received By: Protoryanives - Verified By Smuple Sesia Special Instructions: Other Property Labelled

SIERRA ANALYTICAL

CHAIN OF CUSTODY RECORD

TEL: 949 • 348 • 9389 FAX: 949 • 348 • 9115

26052 Merit Circle • Suite 104 • Laguna Hills, CA • 92653

Date: 7 / 12 / 21 Page: 7 of 2

Lab Work Order No.: 2107160

| Client: MEARNS CONSULTING COPP Client Project ID: | | | | | | | | | Analyses Requested | | | | | | | | | | | |
|---|-----------------|------------------|-----------------------|---------------------------------------|---|------------------------|----------------------|--------|--------------------|------------|---|----------------|---------------|------------|--------------------------|-------------|-----------|-------------|-----------|--|
| Client Address: 738 ASHLAND | AVE | 1 | | | | | | 128 | | | | 1 | | | | - | · | T | | Geotracker EDD Info: |
| | A 90 | 1405 | | | _ | (| | 4 | | | | | | | | | - 1 | İ | 1 | Georgacker EDD Into: |
| | | , (+ <u>)</u> | | | Town Ca | лтер. Мол | LITHWEST | À | | | | : | 6 0 | | | | | | | |
| | | | | | | | 24 Hour | ĝ | | | 3 | 8 | /5035B | | | | | | | Client LOGCODE |
| Client Tel. No.: 310 403 1921 | | | | | . In | | | 7 | | 23 | 5 B | 8015B | | ی | | | | | | |
| Client Fax. No.: | | | | | | | 72 Hour | Metars | | 2015 | 8015 | 38 | Saw B | 270C | | | | 1 | | |
|] | Arianal | - 1). | | | | | 3 5 Day | 8 | | ~ | | ام | 13 | 82 | | | | | | |
| Client Proj. Mgr.: DUGAN L | IBAKA | 5 7 14 17 | | | <u> </u> | Normal | Mobile | | ا ه ا | 2 | 11 | उँ | : | | | | | | | Site Global ID |
| Client Sample ID. | Bierra Ng. | Date | Time | Matrix | Preservative | Type | No. of Containers | #120 | ₹ | C4.C12 | C13.C22 | Ċ | 70% | SVDC | | | | | | Field Paint Names / Comments |
| SV4-10 | 11 | 7-12-21 | 1318 | SOIL | DRSRV | ACCIAIC SU VOA VIAL | | Х | Х | X | X | X | Χ | X | | | | | | 231-111-1-2 |
| 5V4·15 | 12- | 1 | 1321 | | |) | | X | X | X | X | Х | X | X | | | _ | | | |
| SVS-5 | 13 | | 1350 | | | | | Х | X | X | Х | X | X | X | | | 1 | | | |
| SV5-10 | 14 | | 1402 | · | | | | χ | X | X | 又 | X | Χ | Х | | | | | | |
| SV5·15 | 15 | J | 1407 | 4 | | V | | X | х | X | X | X | X | × | | | _ | | | |
| | | ¥ | | <u>~</u> | | | <u> </u> | | | | | | | | | | | \top | | |
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| ž. | | | | | | | | | | | | | | | | | - | \dashv | - | |
| (d | 1 | | | | | | : | | | | • | | | | | | \dashv | | | |
| TAI CULT | ago | tr. I | Shipped Vir. | D DELAK | -D-=D | L | <u> </u> | ليا | IJ. | <u>_</u> } | | Total i | Mussik | ar of t | Contair | | | | \dashv | Sample Disposal: |
| MEAN (MEANNY PH) 05 | A | | (Cortier/Waybill No.) | 3 20010 | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | | 6 | 0 | | Labor | | CI OI | Contan | icis sui | Olillis | en io | | Salaspite Disposal: Return to Client |
| Retinquished By (20 4 aga) | - W- | 2/12/21 | Received By: | 10 | | | Dat /12/21 | | | | | | | | in of custo under Sti | - | | | | Lab Disposal * |
| Соптраву. | У | 1244 | Company: | -51 J | RKA | | Time: 1544 | Condi | ltions, un | ılesı otb | erwise | egreed u | pon io | oritlag l | between S will be n | IERRA s | end CL | JENT. | - 1 | Archive mos. |
| | | 7 | | | | | Time: 43 / | | armbice e | iccer min | eo 10 D | | | | | • | | | | |
| Rohaquished By: | · | Date: | Received By: | | | | Date: | | 60 |) | | | Nurr rator | | f Conta | iners R | eceiv | ed by | | Other |
| Company: | | Time: | Сепиралу: | | | | Time: | | _ | | | | | | ··· | | | | | |
| Retinquished By: | | Date: | heonyad By: | | | | Date | ă | annira Idaet | I ORY (I) | SE ONT | r Samp | to Recel | | eterica; Chilledia | famp (°C | 5 | | | ϛ ′′ |
| Соприну: | | Time: | Сопрыну: | | | | Time: | | Reropiu ! | | | | | X53/60 | Preservati | Treation | *** | 11.77 | | |
| Special Instructions; | | | | | | | | | Property | | roja J.M | | | 7 3.5 | Sec. 25. 25 | | 300 | X**\V | | |
| | | | | | | | | ч | Properly | Labelies | | | | | Other | | | | | |
| | | | | | | | | Ø | Appropr | iale Sam | pie Con | alpet" | | | Ausrage L | (canon | | | | 93 kaw - Lebwahky Copy, Pink - Field Personnel Copy |
| Rev. (2032) | • | | | · · · · · · · · · · · · · · · · · · · | | | | كتنتشا | The state of | <u> </u> | 20.35 | and the second | 1 J. C. V. | erse steel | DISTRUBI | שוי אוטוייט | re To Acc | corcoany Sa | notes Yel | law - Laboratory Coox, Pink - Field Personnel Coox |



22 July 2021

Susan Mearns Mearns Consulting LLC 738 Ashland Avenue Santa Monica, CA 90405

RE:Town Center Northwest

Work Order No.: 2107188

Attached are the results of the analyses for samples received by the laboratory on 07/13/21 17:07.

The samples were received by Sierra Analytical Labs, Inc. with a chain of custody record attached or completed at the submittal of the samples.

The analyses were performed according to the prescribed method as outlined by EPA, Standard Methods, and A.S.T.M.

The remaining portions of the samples will be disposed of within 30 days from the date of this report. If you require any additional retaining time, please advise us.

Sincerely,

Kuhand T. Foryth

Laboratory Director

Sierra Analytical Labs, Inc. is certified by the California Department of Health Services (DOHS), Environmental Laboratory Accredidation Program (ELAP) No. 2320.



Mearns Consulting LLC 738 Ashland Avenue Santa Monica CA, 90405 Project: Town Center Northwest

Project Number: [none]
Project Manager: Susan Mearns

Reported: 07/22/21 13:51

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| SV6-5 | 2107188-01 | Soil | 07/13/21 07:35 | 07/13/21 17:07 |
| SV6-10 | 2107188-02 | Soil | 07/13/21 07:44 | 07/13/21 17:07 |
| SV6-15 | 2107188-03 | Soil | 07/13/21 07:51 | 07/13/21 17:07 |
| SV7-5 | 2107188-04 | Soil | 07/13/21 08:15 | 07/13/21 17:07 |
| SV7-10 | 2107188-05 | Soil | 07/13/21 08:25 | 07/13/21 17:07 |
| SV7-15 | 2107188-06 | Soil | 07/13/21 08:30 | 07/13/21 17:07 |
| SV8-5 | 2107188-07 | Soil | 07/13/21 08:56 | 07/13/21 17:07 |
| SV8-10 | 2107188-08 | Soil | 07/13/21 08:58 | 07/13/21 17:07 |
| SV8-15 | 2107188-09 | Soil | 07/13/21 09:06 | 07/13/21 17:07 |
| SV9-5 | 2107188-10 | Soil | 07/13/21 09:19 | 07/13/21 17:07 |
| SV9-10 | 2107188-11 | Soil | 07/13/21 09:22 | 07/13/21 17:07 |
| SV9-15 | 2107188-12 | Soil | 07/13/21 09:24 | 07/13/21 17:07 |
| SV10-5 | 2107188-13 | Soil | 07/13/21 09:32 | 07/13/21 17:07 |
| SV10-10 | 2107188-14 | Soil | 07/13/21 09:36 | 07/13/21 17:07 |
| SV10-15 | 2107188-15 | Soil | 07/13/21 09:52 | 07/13/21 17:07 |
| SV11-5 | 2107188-16 | Soil | 07/13/21 10:16 | 07/13/21 17:07 |



Mearns Consulting LLC 738 Ashland Avenue Santa Monica CA, 90405 Project: Town Center Northwest

Project Number: [none]
Project Manager: Susan Mearns

Reported: 07/22/21 13:51

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| SV11-10 | 2107188-17 | Soil | 07/13/21 10:20 | 07/13/21 17:07 |
| SV11-15 | 2107188-18 | Soil | 07/13/21 10:26 | 07/13/21 17:07 |
| SV12-5 | 2107188-19 | Soil | 07/13/21 10:49 | 07/13/21 17:07 |
| SV12-10 | 2107188-20 | Soil | 07/13/21 10:58 | 07/13/21 17:07 |
| SV12-15 | 2107188-21 | Soil | 07/13/21 11:07 | 07/13/21 17:07 |
| SV13-5 | 2107188-22 | Soil | 07/13/21 11:26 | 07/13/21 17:07 |
| SV13-10 | 2107188-23 | Soil | 07/13/21 11:31 | 07/13/21 17:07 |
| SV13-15 | 2107188-24 | Soil | 07/13/21 11:38 | 07/13/21 17:07 |
| SV14-5 | 2107188-25 | Soil | 07/13/21 12:49 | 07/13/21 17:07 |
| SV14-10 | 2107188-26 | Soil | 07/13/21 12:54 | 07/13/21 17:07 |
| SV14-15 | 2107188-27 | Soil | 07/13/21 13:01 | 07/13/21 17:07 |
| SV15-5 | 2107188-28 | Soil | 07/13/21 13:19 | 07/13/21 17:07 |
| SV15-10 | 2107188-29 | Soil | 07/13/21 13:23 | 07/13/21 17:07 |
| SV15-15 | 2107188-30 | Soil | 07/13/21 13:27 | 07/13/21 17:07 |
| SV16-5 | 2107188-31 | Soil | 07/13/21 13:54 | 07/13/21 17:07 |
| SV16-10 | 2107188-32 | Soil | 07/13/21 13:57 | 07/13/21 17:07 |
| SV16-15 | 2107188-33 | Soil | 07/13/21 14:00 | 07/13/21 17:07 |



Mearns Consulting LLC 738 Ashland Avenue Santa Monica CA, 90405 Project: Town Center Northwest

Project Number: [none]
Project Manager: Susan Mearns

Reported: 07/22/21 13:51

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| SV17-5 | 2107188-34 | Soil | 07/13/21 14:44 | 07/13/21 17:07 |
| | | | | |
| SV17-10 | 2107188-35 | Soil | 07/13/21 14:48 | 07/13/21 17:07 |
| 01/15 15 | 2107100 24 | a " | 07/10/01 14 50 | 05/10/01 15 05 |
| SV17-15 | 2107188-36 | Soil | 07/13/21 14:53 | 07/13/21 17:07 |
| SV18-5 | 2107188-37 | Soil | 07/13/21 15:19 | 07/13/21 17:07 |
| | | | | |
| SV18-10 | 2107188-38 | Soil | 07/13/21 15:25 | 07/13/21 17:07 |
| | | | | |
| SV18-15 | 2107188-39 | Soil | 07/13/21 15:29 | 07/13/21 17:07 |
| SV19-5 | 2107188-40 | Soil | 07/13/21 15:49 | 07/13/21 17:07 |
| 3 17-3 | 210/188-40 | 3011 | 07/13/21 13:49 | 0//13/21 1/:0/ |
| SV19-10 | 2107188-41 | Soil | 07/13/21 15:54 | 07/13/21 17:07 |
| | | | | |
| SV19-15 | 2107188-42 | Soil | 07/13/21 15:59 | 07/13/21 17:07 |



Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| | | | Sierra Ai | | | | | | | |
|---|----------------------------|---|--|--|---|---|---|--|--|------|
| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| SV6-5 (2107188-01) Soil | Sampled: 07/13/21 07:35 | Received: | 07/13/21 17:0 | 7 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 83 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 7.6 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 14 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1417 | 07/14/21 | 07/19/21 15:20 | EPA 7199A | |
| Copper | | 14 | 5.0 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1414 | 07/14/21 | 07/16/21 20:28 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Nickel | | 8.5 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| | | | | | | | | | | |
| Vanadium | | 24 | 5.1 | " | " | " | " | " | " | |
| | | 24 28 | 5.1 7.0 | " | " | " | " | " | " | |
| Zinc | il Sampled: 07/13/21 07:44 | 28 | 7.0 | " | | | | | | |
| Zinc SV6-10 (2107188-02) Soi | il Sampled: 07/13/21 07:44 | 28 Received: | 7.0 07/13/21 17: | 07 | " | " | " | " | " | |
| Zinc SV6-10 (2107188-02) Soi Silver | il Sampled: 07/13/21 07:44 | 28 Received: | 7.0 07/13/21 17: 2.0 | " | | | | | | |
| Zinc SV6-10 (2107188-02) Soi Silver Arsenic | il Sampled: 07/13/21 07:44 | 28 Received: ND ND | 7.0 07/13/21 17: 2.0 5.5 | 07 mg/kg | 1 | " B1G1411 | 07/14/21 | 07/19/21 14:17 | " EPA 6010B | |
| Zinc SV6-10 (2107188-02) Soi Silver Arsenic Barium | d Sampled: 07/13/21 07:44 | ND ND 66 | 7.0 07/13/21 17: 2.0 5.5 6.0 | " 07 mg/kg | 1 " | B1G1411 | 07/14/21 | 07/19/21 14:17 | " EPA 6010B | |
| Zinc SV6-10 (2107188-02) Soi Silver Arsenic Barium Beryllium | il Sampled: 07/13/21 07:44 | 28 Received: ND ND ND 66 ND | 7.0 07/13/21 17: 2.0 5.5 6.0 2.2 | " 07 mg/kg " | 1 " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Zinc SV6-10 (2107188-02) Soi Silver Arsenic Barium Beryllium Cadmium | il Sampled: 07/13/21 07:44 | Received: ND ND ND 66 ND ND ND | 7.0 07/13/21 17: 2.0 5.5 6.0 2.2 2.5 | 07 mg/kg " " | 1 " | B1G1411 " | 07/14/21 | 07/19/21 14:17 | "EPA 6010B | |
| Zinc SV6-10 (2107188-02) Soi Silver Arsenic Barium Beryllium Cadmium Cobalt | il Sampled: 07/13/21 07:44 | 28 Received: ND ND 66 ND ND 6,4 | 7.0 07/13/21 17: 2.0 5.5 6.0 2.2 2.5 3.3 | 07 mg/kg | 1 " | B1G1411 | 07/14/21 | 07/19/21 14:17 | " " " " " | |
| Zinc SV6-10 (2107188-02) Soi Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium | il Sampled: 07/13/21 07:44 | 28 Received: ND ND 66 ND ND 64 21 | 7.0 07/13/21 17: 2.0 5.5 6.0 2.2 2.5 3.3 2.3 | mg/kg | 1 " " " " " " " " " " " " " " " " " " " | B1G1411 | 07/14/21 | 07/19/21 14:17 | " " " " " " " " " " " " " " " " " " " | |
| Zinc SV6-10 (2107188-02) Soi Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium | il Sampled: 07/13/21 07:44 | 28 Received: ND ND 66 ND ND 6.4 21 ND | 7.0 07/13/21 17: 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 | """""""""""""""""""""""""""""""""""""" | 1 " " " " " " " " " " " " " " " " " " " | B1G1411 " " " " " " B1G1417 | 07/14/21 | 07/19/21 14:17 | EPA 6010B " " " " " EPA 7199A | |
| Zinc SV6-10 (2107188-02) Soi Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper | il Sampled: 07/13/21 07:44 | 28 Received: ND ND 66 ND ND 6.4 21 ND 16 | 7.0 07/13/21 17: 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 | " " " " " " " " " " " " " " " " " " " | 1 " " " " " " " " " " " " " " " " " " " | B1G1411 " " " " " " B1G1417 B1G1411 | 07/14/21 | 07/19/21 14:17 " " " " " " 07/19/21 15:20 07/19/21 14:17 | EPA 6010B " " " " " EPA 7199A EPA 6010B | |
| Zinc SV6-10 (2107188-02) Soi Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury | il Sampled: 07/13/21 07:44 | 28 Received: ND ND 66 ND ND 6.4 21 ND 16 ND | 7.0 07/13/21 17: 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 | " " " " " " " " " " " " " " " " " " " | 1 " " " " " " " " " " " " " " " " " " " | BIG1411 " " " " " BIG1417 BIG1411 BIG1414 | 07/14/21 " " " " " 07/14/21 07/14/21 07/14/21 | 07/19/21 14:17 " " " " " " 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 | EPA 6010B " " " " " EPA 7199A EPA 6010B EPA 7471A | |
| Zinc SV6-10 (2107188-02) Soi Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum | il Sampled: 07/13/21 07:44 | 28 Received: ND ND 66 ND ND 6.4 21 ND 16 ND ND | 7.0 07/13/21 17: 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 | " " " " " " " " " " " " " " " " " " " | 1 | B1G1411 " " " " " " B1G1417 B1G1411 | 07/14/21 | 07/19/21 14:17 " " " " " " 07/19/21 15:20 07/19/21 14:17 | EPA 6010B " " " " " EPA 7199A EPA 6010B | |
| Zinc SV6-10 (2107188-02) Soi Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel | il Sampled: 07/13/21 07:44 | 28 Received: ND ND 66 ND ND 6.4 21 ND 16 ND ND 12 | 7.0 07/13/21 17: 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 | " " " " " " " " " " " " " " " " " " " | 1 | BIG1411 " " " " " " BIG1417 BIG1411 BIG1414 BIG1411 | 07/14/21 " " " " " 07/14/21 07/14/21 07/14/21 07/14/21 | 07/19/21 14:17 " " " " " " 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 | EPA 6010B " " " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Zinc SV6-10 (2107188-02) Soi Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead | il Sampled: 07/13/21 07:44 | 28 Received: ND ND 66 ND ND 6.4 21 ND 16 ND ND 12 ND | 7.0 07/13/21 17: 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 | " " " " " " " " " " " " " " " " " " " | 1 | BIG1411 " " " " " " BIG1417 BIG1411 BIG1414 BIG1411 | 07/14/21 " " " " " 07/14/21 07/14/21 07/14/21 07/14/21 " | 07/19/21 14:17 " " " " " " " " 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 " | EPA 6010B " " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Zinc SV6-10 (2107188-02) Soi Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony | il Sampled: 07/13/21 07:44 | ND ND 664 ND ND 16 ND ND 12 ND ND ND ND | 7.0 07/13/21 17: 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 | mg/kg " " " " " " " " | 1 | BIG1411 " " " " " BIG1417 BIG1411 BIG1414 BIG1411 | 07/14/21 " " " " " 07/14/21 07/14/21 07/14/21 " " | 07/19/21 14:17 " " " " " " " " 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 " " | EPA 6010B " " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " " | |
| Zinc SV6-10 (2107188-02) Soi Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium | il Sampled: 07/13/21 07:44 | 28 Received: ND ND 66 ND ND 6.4 21 ND 16 ND ND ND ND ND ND ND ND ND N | 7.0 07/13/21 17: 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 6.9 | mg/kg " " " " " " " " " | | BIG1411 " " " " " BIG1417 BIG1411 BIG1414 BIG1411 " " | 07/14/21 " " " " " 07/14/21 07/14/21 07/14/21 " " " " | 07/19/21 14:17 " " " " " " " " 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 " " | EPA 6010B " " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " " | |
| Vanadium Zinc SV6-10 (2107188-02) Soi Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium Thallium Vanadium | il Sampled: 07/13/21 07:44 | ND ND 664 ND ND 16 ND ND 12 ND ND ND ND | 7.0 07/13/21 17: 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 | mg/kg | | BIG1411 " " " " " BIG1417 BIG1411 BIG1414 BIG1411 " " | 07/14/21 " " " " " " 07/14/21 07/14/21 07/14/21 " " " " " " | 07/19/21 14:17 " " " " " " " " " " " " 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 " " " " | EPA 6010B " " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " " " | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reported:



Mearns Consulting LLCProject:Town Center Northwest738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| | | | | | 2405, 111 | | | | | |
|--------------------------|-------------------------|-----------|--------------------|-------|-----------|--------------|----------|----------------|------------------------|------|
| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| SV6-15 (2107188-03) Soil | Sampled: 07/13/21 07:51 | Received | : 07/13/21 17: | 07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 42 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 4.3 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 9.4 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1417 | 07/14/21 | 07/19/21 15:20 | EPA 7199A | |
| Copper | | 9.0 | 5.0 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1414 | 07/14/21 | 07/16/21 20:28 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Nickel | | 6.4 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 14 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 27 | 7.0 | " | " | " | " | " | " | |
| SV7-5 (2107188-04) Soil | Sampled: 07/13/21 08:15 | Received: | 07/13/21 17:0 | 7 | | | | | | |
| Silver | P | ND | 2.0 | mg/kg | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 73 | 6.0 | ,, | " | ,, | " | ,, | " | |
| Beryllium | | ND | 2.2 | ,, | " | ,, | " | " | " | |
| Cadmium | | ND | 2.5 | ,, | " | ,, | " | " | " | |
| Cobalt | | 7.2 | 3.3 | ,, | " | ,, | " | ,, | " | |
| Chromium | | 16 | 2.3 | ,, | ,, | ,, | ,, | " | " | |
| Hexavalent Chromium | | ND | 0.10 | ,, | ,, | B1G1417 | 07/14/21 | 07/19/21 15:20 | EPA 7199A | |
| Copper | | 13 | 5.0 | ,, | ,, | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Mercury | | ND | 0.90 | ,, | ,, | B1G1411 | 07/14/21 | 07/16/21 20:28 | EPA 7471A | |
| Molybdenum | | ND ND | 5.2 | ,, | ,, | B1G1414 | 07/14/21 | 07/10/21 20:28 | EPA /4/1A EPA 6010B | |
| Nickel | | ND 11 | 3.2 | ,, | ,, | BIG1411 " | 0//14/21 | 07/19/21 14:17 | EPA 0010B | |
| Lead | | 7.2 | 7.1 | ,, | ,, | ,, | ,, | " | ,, | |
| | | 7.2 ND | 8.0 | " | , | , | , | | | |
| Antimony | | | 8.0 6.9 | | ,, | ,, | ,, | | " | |
| Selenium | | ND | | ., | " | ,, | " | ,, | " | |
| Thallium | | ND | 17 | " | " | , | " | ,, | " | |
| Vanadium | | 27 | 5.1 | ., | " | ,, | " | " | " | |
| Zinc | | 34 | 7.0 | | ., | " | ., | | | |



Mearns Consulting LLCProjectTown Center Northwest738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|-------------------------|-----------------------------|--|----------|---|---|--|---|--|--|
| Sampled: 07/13/21 08:25 | Received: | 07/13/21 17: | 07 | | | | | | |
| | ND | 2.0 | mg/kg | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| | ND | 5.5 | " | " | " | " | " | " | |
| | 50 | 6.0 | " | " | " | " | " | " | |
| | ND | 2.2 | " | " | " | " | " | " | |
| | ND | 2.5 | " | " | " | " | " | " | |
| | 6.6 | 3.3 | " | " | " | " | " | " | |
| | 13 | 2.3 | " | " | " | " | " | " | |
| | ND | 0.10 | " | " | B1G1417 | 07/14/21 | 07/19/21 15:20 | EPA 7199A | |
| | 11 | 5.0 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| | ND | 0.90 | " | " | B1G1414 | 07/14/21 | 07/16/21 20:28 | EPA 7471A | |
| | ND | 5.2 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| | 7.6 | 3.0 | " | " | " | " | " | " | |
| | ND | 7.1 | " | " | " | " | " | " | |
| | ND | 8.0 | " | " | " | " | " | " | |
| | ND | | " | " | " | " | " | " | |
| | ND | | " | " | " | " | " | " | |
| | | | " | ,, | " | ,, | " | " | |
| | 25 | 7.0 | " | " | " | " | " | " | |
| Sampled: 07/13/21 08:30 | Received | 07/13/21 17: | 07 | | | | | | |
| | ND | 2.0 | mg/kg | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| | ND | | " | " | " | " | " | " | |
| | 37 | | " | " | " | " | " | " | |
| | | | " | ,, | " | ,, | " | " | |
| | | | " | ,, | " | ,, | " | " | |
| | | | " | " | " | " | " | " | |
| | | | " | ,, | " | ,, | " | " | |
| | ND | 0.10 | " | ,, | B1G1417 | 07/14/21 | 07/19/21 15:20 | EPA 7199A | |
| | 8.4 | 5.0 | " | ,, | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| | | | | | • • • • | | | | |
| | | | " | " | B1G1414 | 07/14/21 | 07/16/21 20:28 | EPA 7471A | |
| | ND | 0.90 | " | " | B1G1414 B1G1411 | 07/14/21 07/14/21 | 07/16/21 20:28 07/19/21 14:17 | EPA 7471A EPA 6010B | |
| | ND ND | 0.90 5.2 | | | B1G1414 B1G1411 | 07/14/21 07/14/21 | 07/16/21 20:28 07/19/21 14:17 | EPA 7471A EPA 6010B | |
| | ND ND 6.7 | 0.90 5.2 3.0 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| | ND ND 6.7 ND | 0.90 5.2 3.0 7.1 | " | " | B1G1411 " | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| | ND ND 6.7 ND ND | 0.90 5.2 3.0 7.1 8.0 | " | " " | B1G1411 " " | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| | ND ND 6.7 ND ND ND | 0.90 5.2 3.0 7.1 8.0 6.9 | " " | " " | B1G1411 " " | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| | ND ND 6.7 ND ND | 0.90 5.2 3.0 7.1 8.0 | " " " | " | B1G1411 " " " " | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| | | Sampled: 07/13/21 08:25 Received: ND ND S0 ND ND 6.6 13 ND 11 ND ND 7.6 ND N | ND 2.0 | Result Limit Units | Sampled: 07/13/21 08:25 Received: 07/13/21 17:07 ND 2.0 mg/kg 1 ND 5.5 " " 50 6.0 " " ND 2.2 " " ND 2.5 " " 13 2.3 " " ND 0.10 " " ND 0.90 " " ND 5.2 " " ND 7.1 " " ND 7.1 " " ND 8.0 " " ND 6.9 " " ND 17 " " 25 7.0 " " Sampled: 07/13/21 08:30 Received: 07/13/21 17:07 " " ND 2.0 mg/kg 1 ND 5.5 " " ND 2.2 " " ND | Sampled: 07/13/21 08:25 Received: 07/13/21 17:07 Dilution Batch ND 2.0 mg/kg 1 B1G1411 ND 5.5 " " " 50 6.0 " " " ND 2.2 " " " ND 2.5 " " " 13 2.3 " " " ND 0.10 " " B1G1417 11 5.0 " " B1G1417 11 5.0 " " B1G1417 ND 0.10 " " B1G1417 ND 5.2 " " B1G1417 ND 5.2 " " B1G1411 ND 6.9 " " " ND 6.9 " " " ND 17 " " " 25 7.0 " " | Sampled: 07/13/21 08:25 Received: 07/13/21 17:07 Dilution Batch Prepared ND 2.0 mg/kg 1 BIG1411 07/14/21 ND 5.5 " " " " ND 2.2 " " " " ND 2.5 " " " " 6.6 3.3 " " " " ND 0.10 " " BIG1417 07/14/21 11 5.0 " " BIG1411 07/14/21 ND 0.10 " " BIG1411 07/14/21 ND 0.10 " " BIG1411 07/14/21 ND 5.2 " " BIG1411 07/14/21 ND 7.1 " " " " ND 7.1 " " " " ND 5.1 " " " " | Sampled: 07/13/21 08:25 Received: 07/13/21 17:07 Units Dilution Batch Prepared Analyzed ND 2.0 mg/kg 1 B1G1411 07/14/21 07/19/21 14:17 ND 5.5 " " " " " 50 6.0 " " " " " ND 2.2 " " " " " ND 2.5 " " " " " 13 2.3 " " " " " ND 0.10 " " B1G1417 07/14/21 07/19/21 18:20 11 5.0 " " B1G1411 07/14/21 07/19/21 14:17 ND 0.90 " " B1G1411 07/14/21 07/19/21 14:17 " ND 7.1 " " " " " ND 6.9 " " " " | ND 2.0 mg/kg 1 B1G141 07/14/21 07/19/21 14:17 EPA 6010B ND 5.5 " " " " " " " " " " " " " " " " " " |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|-------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV8-5 (2107188-07) Soil | Sampled: 07/13/21 08:56 | Received: | 07/13/21 17:07 | 7 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 30 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | ND | 3.3 | " | " | " | " | " | " | |
| Chromium | | 5.7 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1417 | 07/14/21 | 07/19/21 15:20 | EPA 7199A | |
| Copper | | 7.8 | 5.0 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1414 | 07/14/21 | 07/16/21 20:28 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Nickel | | 4.0 | 3.0 | " | " | " | " | " | " | |
| Lead | | 19 | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 9.1 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 26 | 7.0 | " | " | " | " | " | " | |
| SV8-10 (2107188-08) Soi | Sampled: 07/13/21 08:58 | Received | l: 07/13/21 17:0 | 07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 58 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 10 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 12 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1417 | 07/14/21 | 07/19/21 15:20 | EPA 7199A | |
| Copper | | 11 | 5.0 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1414 | 07/14/21 | 07/16/21 20:28 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Nickel | | 7.8 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 21 | 5.1 | " | " | " | " | " | " | |
| | | | | | | | | | | |



Santa Monica CA, 90405 Project Manager: Susan Mearns

Reported: 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | No |
|--|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|----|
| SV8-15 (2107188-09) Soil | Sampled: 07/13/21 09:06 | Received | : 07/13/21 17:0 | 07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 50 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 4.6 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 17 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1417 | 07/14/21 | 07/19/21 15:20 | EPA 7199A | |
| Copper | | 12 | 5.0 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Mercury | | ND | 0.81 | " | " | B1G1414 | 07/14/21 | 07/16/21 20:28 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Nickel | | 9.8 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | ,, | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | ,, | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 19 | 5.1 | " | " | " | " | " | ,, | |
| Zinc | | 29 | 7.0 | " | " | " | " | " | " | |
| | | | | | | | | | | |
| SV9-5 (2107188-10) Soil | Sampled: 07/13/21 09:19 | Received: | 07/13/21 17:0 | 7 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 3100 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 5.1 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 26 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1417 | 07/14/21 | 07/19/21 15:20 | EPA 7199A | |
| Copper | | 31 | 5.0 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1414 | 07/14/21 | 07/16/21 20:28 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Nickel | | 20 | 3.0 | " | " | " | " | " | " | |
| | | 24 | 7.1 | " | " | " | " | " | " | |
| Lead | | ND | 8.0 | " | " | " | " | " | " | |
| | | | 6.9 | " | " | " | " | " | " | |
| Antimony | | ND | 0.9 | | | | | | | |
| Antimony Selenium | | ND ND | 17 | " | " | " | " | " | " | |
| Lead Antimony Selenium Thallium Vanadium | | | | " | " | " | " | " | " | |



Santa Monica CA, 90405 Project Manager: Susan Mearns

Reported: 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| | | | Reporting | | | | | | | |
|---|-------------------------|---|---|-----------------|---|---|---|--|---|------|
| Analyte | | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| SV9-10 (2107188-11) Soil | Sampled: 07/13/21 09:22 | Received | : 07/13/21 17: | 07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 77 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 6.2 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 17 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1417 | 07/14/21 | 07/19/21 15:20 | EPA 7199A | |
| Copper | | 12 | 5.0 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1414 | 07/14/21 | 07/16/21 20:28 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Nickel | | 8.3 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 23 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 27 | 7.0 | " | " | " | " | " | " | |
| SV9-15 (2107188-12) Soil | Sampled: 07/13/21 00:24 | ъ | 05/12/21 15 | | | | | | | |
| | Sampleu: 07/15/21 09:24 | Received | 1: 07/13/21 17: | 07 | | | | | | |
| | Sampleu: 07/13/21 09:24 | ND | 2.0 | | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Silver | Sampled: 07/13/21 09:24 | | | mg/kg | 1 " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Silver Arsenic | Sampleu. 07/13/21 05.24 | ND | 2.0 | mg/kg | | | | | | |
| Silver Arsenic Barium | Sampleu. 07/13/21 05.24 | ND ND | 2.0 5.5 | mg/kg | " | " | " | " | " | |
| Silver Arsenic Barium Beryllium | Sampleu. 07/13/21 05.24 | ND ND 110 | 2.0 5.5 6.0 | mg/kg " | " | " | " | " | " | |
| Silver Arsenic Barium Beryllium Cadmium | Sampleu. 07/13/21 05.24 | ND ND 110 ND | 2.0 5.5 6.0 2.2 | mg/kg " " | " " | " | " | " " " | " | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt | Sampleu. 0//13/21 05.24 | ND ND 110 ND ND ND | 2.0 5.5 6.0 2.2 2.5 | mg/kg " " " | " " | " " " | " " | " " " " | " | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium | Sampleu. 0//13/21 05.24 | ND ND 110 ND ND | 2.0 5.5 6.0 2.2 2.5 3.3 | mg/kg " " " " | " " " | " | " " " " | " " " " " | " | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium | Sampleu. 0//13/21 05.24 | ND ND 110 ND ND 10 30 ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 | mg/kg | " | " " " " B1G1417 | " " " " 07/14/21 | " " " " 07/19/21 15:20 | " " " EPA 7199A | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper | Sampleu. 0//13/21 05.24 | ND ND 110 ND ND ND 10 30 | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 | mg/kg | " | " | " " " " | " " " " " | " | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury | Sampleu. 0//13/21 05.24 | ND ND 110 ND ND 10 30 ND 17 | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 | mg/kg | " | " " " B1G1417 B1G1411 B1G1414 | """""""""""""""""""""""""""""""""""""" | "" "" 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 | " " " EPA 7199A EPA 6010B EPA 7471A | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum | Sampleu. 0//13/21 05.24 | ND ND 110 ND ND 10 30 ND 17 ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 | mg/kg | " | " " " " B1G1417 | " " " 07/14/21 | " " " 07/19/21 15:20 07/19/21 14:17 | " " " EPA 7199A EPA 6010B | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel | Sampleu. 0//13/21 05.24 | ND ND 110 ND ND 10 30 ND 17 ND ND 16 | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 | mg/kg | " | " " " B1G1417 B1G1411 B1G1414 B1G1411 | 07/14/21 07/14/21 07/14/21 07/14/21 | "" "" 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 | " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead | Sampleu. 0//13/21 05.24 | ND ND 110 ND ND 10 30 ND 17 ND ND 16 ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 | mg/kg | "" "" "" "" "" "" "" "" "" "" "" "" "" | " " " BIG1417 BIG1411 BIG1414 BIG1411 | 07/14/21 07/14/21 07/14/21 07/14/21 | """""""""""""""""""""""""""""""""""""" | " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony | Sampleu. 0//13/21 05.24 | ND ND 110 ND ND 10 30 ND 17 ND ND 16 ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 | mg/kg | "" "" "" "" "" "" "" "" "" "" "" "" "" | " " " BIG1417 BIG1411 BIG1414 BIG1411 " | 07/14/21 07/14/21 07/14/21 07/14/21 | 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 | " " " EPA 7199A EPA 6010B EPA 6010B " " | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium | Sampleu. 0//13/21 05.24 | ND ND 110 ND ND 10 30 ND 17 ND ND 16 ND ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 6.9 | mg/kg | | " " " B1G1417 B1G1411 B1G1414 B1G1411 " " | 07/14/21 07/14/21 07/14/21 07/14/21 " | 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 | " " EPA 7199A EPA 6010B EPA 6010B " " | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium Thallium Vanadium | Sampleu. 0//13/21 05.24 | ND ND 110 ND ND 10 30 ND 17 ND ND 16 ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 | mg/kg | | " " " BIG1417 BIG1411 BIG1414 BIG1411 " " | 07/14/21 07/14/21 07/14/21 07/14/21 " | 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 | " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " " | |



Santa Monica CA, 90405 Project Manager: Susan Mearns

Reported: 07/22/21 13:51

$Metals\ by\ EPA\ 6000/7000\ Series\ Methods$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | No |
|---|---|--|---|---|--|---|--|---|----|
| SV10-5 (2107188-13) Soil S | Sampled: 07/13/21 09:32 Receive | ed: 07/13/21 17: | :07 | | | | | | |
| Silver | ND | 2.0 | mg/kg | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Arsenic | ND | 5.5 | " | " | " | " | " | " | |
| Barium | 650 | 6.0 | " | " | " | " | " | " | |
| Beryllium | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | 10 | 3.3 | " | " | " | " | " | " | |
| Chromium | 25 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | ND | 0.10 | " | " | B1G1417 | 07/14/21 | 07/19/21 15:20 | EPA 7199A | |
| Copper | 31 | 5.0 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Mercury | ND | 0.90 | " | " | B1G1414 | 07/14/21 | 07/16/21 20:28 | EPA 7471A | |
| Molybdenum | ND | 5.2 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Nickel | 24 | 3.0 | " | " | " | " | " | " | |
| Lead | 42 | 7.1 | " | " | " | " | " | " | |
| Antimony | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | ND | 17 | " | " | " | " | " | " | |
| Vanadium | 36 | 5.1 | " | " | " | " | " | " | |
| Zinc | 100 | 7.0 | " | " | " | " | " | " | |
| SV10-10 (2107188-14) Soil | Sampled: 07/13/21 09:36 Recei | ved: 07/13/21 17 | 7:07 | | | | | | |
| Silver | ND | 2.0 | mg/kg | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Arsenic | ND | 5.5 | " | " | " | " | " | " | |
| Barium | 49 | | | | | | " | | |
| Beryllium | | 6.0 | " | " | " | " | " | " | |
| Dei viiiuiii | ND | 6.0 2.2 | " | " | " | " | " | " | |
| • | | 6.0 2.2 2.5 | | " | | | | " | |
| Cadmium | ND ND 4.9 | 2.2 | " | " | " | " | " | " | |
| Cadmium C obalt | ND 4.9 | 2.2 2.5 3.3 | " | " | " | " | " | " | |
| Cadmium Cobalt Chromium | ND 4.9 10 | 2.2 2.5 3.3 2.3 | " " | " " | " " " | " " | " " " | " " " | |
| Cadmium Cobalt Chromium Hexavalent Chromium | ND 4.9 10 ND | 2.2 2.5 3.3 2.3 0.10 | " " | " " " | " " " B1G1417 | " " " 07/14/21 | " " " 07/19/21 15:20 | " " " EPA 7199A | |
| Cadmium Cobalt Chromium Hexavalent Chromium Copper | ND 4.9 10 ND 8.3 | 2.2 2.5 3.3 2.3 0.10 5.0 | " | " | " " " | " " " 07/14/21 07/14/21 | " " " 07/19/21 15:20 07/19/21 14:17 | " " EPA 7199A EPA 6010B | |
| Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury | ND 4.9 10 ND | 2.2 2.5 3.3 2.3 0.10 5.0 | " " " " " | " | " " " B1G1417 B1G1411 | " " " 07/14/21 | " " " 07/19/21 15:20 | " " " EPA 7199A | |
| Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum | ND 4.9 10 ND 8.3 ND ND | 2.2 2.5 3.3 2.3 0.10 5.0 0.79 5.2 | " | " | " " " B1G1417 B1G1411 | 07/14/21 07/14/21 07/14/21 | " " 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 | " " EPA 7199A EPA 6010B EPA 7471A | |
| Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel | ND 4.9 10 ND 8.3 ND ND | 2.2 2.5 3.3 2.3 0.10 5.0 0.79 5.2 3.0 | " | " | " " " B1G1417 B1G1411 B1G1414 B1G1411 | 07/14/21 07/14/21 07/14/21 07/14/21 | " " 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 | " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead | ND 4.9 10 ND 8.3 ND ND ND ND | 2.2 2.5 3.3 2.3 0.10 5.0 0.79 5.2 3.0 7.1 | " | " | " " BIG1417 BIG1411 BIG1414 BIG1411 | 07/14/21 07/14/21 07/14/21 07/14/21 | " 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 " | " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " | |
| Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony | ND 4.9 10 ND 8.3 ND ND ND 6.0 ND | 2.2 2.5 3.3 2.3 0.10 5.0 0.79 5.2 3.0 7.1 8.0 | " | " | " " BIG1417 BIG1411 BIG1414 BIG1411 " | 07/14/21 07/14/21 07/14/21 07/14/21 " | 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 | " " EPA 7199A EPA 6010B EPA 6010B " " | |
| Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium | ND 4.9 10 ND 8.3 ND ND ND ND 6.0 ND ND ND | 2.2 2.5 3.3 2.3 0.10 5.0 0.79 5.2 3.0 7.1 8.0 6.9 | "" "" "" "" "" "" "" "" "" "" "" "" "" | " | " " BIG1417 BIG1411 BIG1414 BIG1411 " " | 07/14/21 07/14/21 07/14/21 07/14/21 " | 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 | " " EPA 7199A EPA 6010B EPA 6010B " " | |
| Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium Thallium Vanadium | ND 4.9 10 ND 8.3 ND ND ND 6.0 ND | 2.2 2.5 3.3 2.3 0.10 5.0 0.79 5.2 3.0 7.1 8.0 | | | " " " B1G1417 B1G1411 B1G1414 B1G1411 " " | 07/14/21 07/14/21 07/14/21 07/14/21 " | 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 | " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " " | |



Mearns Consulting LLCProject:Town Center Northwest738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV10-15 (2107188-15) Soil | Sampled: 07/13/21 09:52 | Received | 1: 07/13/21 17 | :07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 81 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 11 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 21 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1417 | 07/14/21 | 07/19/21 15:20 | EPA 7199A | |
| Copper | | 15 | 5.0 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Mercury | | ND | 0.79 | " | " | B1G1414 | 07/14/21 | 07/16/21 20:28 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Nickel | | 13 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 36 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 42 | 7.0 | " | " | " | " | " | " | |
| SV11-5 (2107188-16) Soil | Sampled: 07/13/21 10:16 | Received: | 07/13/21 17:0 | 07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 150 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 10 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 19 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1417 | 07/14/21 | 07/19/21 15:20 | EPA 7199A | |
| Copper | | 21 | 5.0 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Mercury | | ND | 0.78 | " | " | B1G1414 | 07/14/21 | 07/16/21 20:28 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| 1.101, 000110111 | | 15 | 3.0 | " | " | " | " | " | " | |
| Nickel | | | | | | " | " | " | " | |
| • | | 17 | 7.1 | " | " | | | | | |
| Nickel | | 17 ND | 7.1 8.0 | " | " | " | " | " | " | |
| Nickel Lead | | | | | | | " | " | " | |
| Nickel Lead Antimony | | ND | 8.0 | " | " | " | | | | |
| Nickel Lead Antimony Selenium | | ND ND | 8.0 6.9 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| 1 | | | Danortin a | | | | | | | |
|---|-------------------------|--|---|-----------------|---|--|---|--|---|------|
| Analyte | 1 | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| SV11-10 (2107188-17) Soil | Sampled: 07/13/21 10:20 | Received: 0 | 7/13/21 17 | ':07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 130 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 8.5 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 15 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1417 | 07/14/21 | 07/19/21 15:20 | EPA 7199A | |
| Copper | | 10 | 5.0 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1414 | 07/14/21 | 07/16/21 20:28 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Nickel | | 8.1 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 23 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 28 | 7.0 | " | " | " | " | " | " | |
| | | | | | | | | | | |
| SV11-15 (2107188-18) Soil | Sampled: 07/13/21 10:26 | Received: 0 | 7/13/21 17 | :07 | | | | | | |
| , , | Sampled: 07/13/21 10:26 | | | | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Silver | Sampled: 07/13/21 10:26 | ND ND | 2.0 | mg/kg | 1 " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Silver Arsenic | Sampled: 07/13/21 10:26 | ND ND | 2.0 5.5 | mg/kg | | | | | | |
| Silver Arsenic Barium | Sampled: 07/13/21 10:26 | ND ND 64 | 2.0 5.5 6.0 | mg/kg | " | " | " | " | " | |
| Silver Arsenic Barium Beryllium | Sampled: 07/13/21 10:26 | ND ND | 2.0 5.5 6.0 2.2 | mg/kg " | " | " | " | " | " | |
| Silver Arsenic Barium Beryllium Cadmium | Sampled: 07/13/21 10:26 | ND ND 64 ND ND | 2.0 5.5 6.0 2.2 2.5 | mg/kg " " | " " | " | " | " " " | " " | |
| Silver Arsenic Barium Beryllium Cadmium | Sampled: 07/13/21 10:26 | ND ND 64 ND ND 6.0 | 2.0 5.5 6.0 2.2 | mg/kg " " | " " | " " " | " " | " " " " | " " " " | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium | Sampled: 07/13/21 10:26 | ND ND 64 ND ND | 2.0 5.5 6.0 2.2 2.5 3.3 | mg/kg " " " " | " " " | " | " " " " | " " " " " | " " " " " | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium | Sampled: 07/13/21 10:26 | ND ND 64 ND ND 6.0 19 | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 | mg/kg | " | " " " " B1G1417 | " " " " 07/14/21 | " " " " 07/19/21 15:20 | " " " " EPA 7199A | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper | Sampled: 07/13/21 10:26 | ND ND 64 ND ND 6.0 19 | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 | mg/kg | " | " | " " " " | " " " 07/19/21 15:20 07/19/21 14:17 | " " " " " | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury | Sampled: 07/13/21 10:26 | ND ND 64 ND ND 6.0 19 ND 11 ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 | mg/kg | " | " " " BIG1417 B1G1411 B1G1414 | """""""""""""""""""""""""""""""""""""" | "" "" 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 | " " " EPA 7199A EPA 6010B EPA 7471A | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum | Sampled: 07/13/21 10:26 | ND ND 64 ND ND 6.0 19 ND 11 ND ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 | mg/kg | " | " " " B1G1417 | " " " 07/14/21 | " " " 07/19/21 15:20 07/19/21 14:17 | " " " EPA 7199A EPA 6010B | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel | Sampled: 07/13/21 10:26 | ND ND 64 ND ND 6.0 19 ND 11 ND ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 | mg/kg | " | " " " BIG1417 B1G1411 B1G1414 B1G1411 | 07/14/21 07/14/21 07/14/21 07/14/21 | """""""""""""""""""""""""""""""""""""" | " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead | Sampled: 07/13/21 10:26 | ND ND 64 ND ND 6.0 19 ND 11 ND ND 11 ND ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 | mg/kg | "" "" "" "" "" "" "" "" "" "" "" "" "" | " " " BIG1417 BIG1411 BIG1414 BIG1411 | 07/14/21 07/14/21 07/14/21 07/14/21 | """""""""""""""""""""""""""""""""""""" | " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony | Sampled: 07/13/21 10:26 | ND ND 64 ND ND 6.0 19 ND 11 ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 | mg/kg | "" "" "" "" "" "" "" "" "" "" "" "" "" | " " " BIG1417 BIG1411 BIG1414 BIG1411 | 07/14/21 07/14/21 07/14/21 07/14/21 " | 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 | " " " EPA 7199A EPA 6010B EPA 6010B " " | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium | Sampled: 07/13/21 10:26 | ND ND 64 ND ND 6.0 19 ND 11 ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 6.9 | mg/kg | | BIG1417 BIG1411 BIG1414 BIG1411 | 07/14/21 07/14/21 07/14/21 07/14/21 | 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 | " " EPA 7199A EPA 6010B EPA 6010B " " | |
| SV11-15 (2107188-18) Soil Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium Thallium Vanadium | Sampled: 07/13/21 10:26 | ND ND 64 ND ND 6.0 19 ND 11 ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 | mg/kg | | BIG1417 BIG1411 BIG1411 BIG1411 "" | 07/14/21 07/14/21 07/14/21 07/14/21 " | 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 | " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " " | |



Santa Monica CA, 90405 Project Manager: Susan Mearns

Reported: 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|---|---|---|---|---|---|--|--|------|
| SV12-5 (2107188-19) Soil Sampled: 07/1 | 13/21 10:49 Received: | 07/13/21 17: | 07 | | | | | | |
| Silver | ND | 2.0 | mg/kg | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Arsenic | ND | 5.5 | " | " | " | " | " | " | |
| Barium | 83 | 6.0 | " | " | " | " | " | " | |
| Beryllium | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | 5.4 | 3.3 | " | " | " | " | " | " | |
| Chromium | 12 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | ND | 0.10 | " | " | B1G1417 | 07/14/21 | 07/19/21 15:20 | EPA 7199A | |
| Copper | 7.8 | 5.0 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Mercury | ND | 0.90 | " | " | B1G1414 | 07/14/21 | 07/16/21 20:28 | EPA 7471A | |
| Molybdenum | ND | 5.2 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Nickel | 6.4 | 3.0 | " | " | " | " | " | " | |
| Lead | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | ND | 17 | " | " | " | ,, | ,, | " | |
| Vanadium | 18 | 5.1 | " | " | " | ,, | " | " | |
| Zinc | 23 | 7.0 | " | " | " | " | " | " | |
| SV12-10 (2107188-20) Soil Sampled: 07/ | /13/21 10:58 Received | : 07/13/21 17 | 7:07 | | | | | | |
| Silver | ND | 2.0 | mg/kg | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Arsenic | ND | 5.5 | " | | ,, | ,, | " | ,, | |
| | | | | " | " | | | | |
| Barium | 46 | | ,, | " | " | ,, | " | " | |
| | 46 ND | 6.0 | | | | | " " | " | |
| Beryllium | ND | 6.0 2.2 | " | " | " | " | | | |
| Beryllium Cadmium | ND ND | 6.0 2.2 2.5 | " | " | " | " | " | " | |
| Barium Beryllium Cadmium Cobalt Chromium | ND ND 5.4 | 6.0 2.2 2.5 3.3 | " | " " | " | " " | " | " | |
| Beryllium Cadmium Cobalt Chromium | ND ND 5.4 10 | 6.0 2.2 2.5 3.3 2.3 | " " | " " " | " | " " " | " " " | " | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium | ND ND 5.4 10 ND | 6.0 2.2 2.5 3.3 | " " " " | " " " " | " " " B1G1417 | " " " 07/14/21 | " " 07/19/21 15:20 | " " " EPA 7199A | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper | ND ND 5.4 10 ND 6.7 | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 | " " " " " | " | " " " B1G1417 | "" " 07/14/21 | " " 07/19/21 15:20 07/19/21 14:17 | " " EPA 7199A EPA 6010B | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury | ND ND 5.4 10 ND 6.7 ND | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 | " | " | " " " B1G1417 B1G1411 B1G1414 | " " " 07/14/21 07/14/21 07/14/21 | " " 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 | " " EPA 7199A EPA 6010B EPA 7471A | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum | ND ND 5.4 10 ND 6.7 ND ND | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 | n n n | " | " " " B1G1417 | "" " 07/14/21 | " " 07/19/21 15:20 07/19/21 14:17 | " " EPA 7199A EPA 6010B | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel | ND ND 5.4 10 ND 6.7 ND ND ND | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 | " | " | " " " BIG1417 BIG1411 BIG1414 BIG1411 | " " " 07/14/21 07/14/21 07/14/21 07/14/21 | " " 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 | " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead | ND ND 5.4 10 ND 6.7 ND ND 5.7 ND | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 | " | " | " " " BIG1417 BIG1411 BIG1414 BIG1411 " | 07/14/21 07/14/21 07/14/21 07/14/21 | " " 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 | " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony | ND ND 5.4 10 ND 6.7 ND | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 | | " | " " " BIG1417 BIG1411 BIG1414 BIG1411 " | 07/14/21 07/14/21 07/14/21 07/14/21 " | 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 | " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium | ND ND 5.4 10 ND 6.7 ND | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 6.9 | | | " " " BIG1417 BIG1411 BIG1414 BIG1411 " | 07/14/21 07/14/21 07/14/21 07/14/21 " | 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 | " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " " | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead | ND ND 5.4 10 ND 6.7 ND | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 | | | " " " BIG1417 BIG1411 BIG1414 BIG1411 " " | 07/14/21 07/14/21 07/14/21 07/14/21 " | 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 | EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |



Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|---|---|---|---|--|---|--|---|------|
| SV12-15 (2107188-21) Soil Sampled: 07/13/21 11 | | | | | | 1 | | | |
| | | | | | | | | | |
| Silver | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | ND | 5.5 | " | " | " | " | " | " | |
| Barium | 32 | 6.0 | " | " | " | " | " | " | |
| Beryllium | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | 3.3 | 3.3 | " | " | " | " | " | " | |
| Chromium | 7.0 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | ND | 0.10 | " | " | B1G1418 | 07/14/21 | 07/19/21 16:44 | EPA 7199A | |
| Copper | ND | 5.0 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Mercury | ND | 0.90 | " | " | B1G1415 | 07/14/21 | 07/16/21 20:30 | EPA 7471A | |
| Molybdenum | ND | 5.2 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Nickel | 4.5 | 3.0 | " | " | " | " | " | " | |
| Lead | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | ND | 17 | " | " | " | " | " | " | |
| Vanadium | 9.2 | 5.1 | " | " | " | " | " | " | |
| Zinc | 16 | 7.0 | " | " | " | " | " | " | |
| SV13-5 (2107188-22) Soil Sampled: 07/13/21 11:2 | 26 Received: | 07/13/21 17: | 07 | | | | | | |
| Silver | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | ND | 5.5 | " | " | " | " | " | " | |
| Barium | 83 | 6.0 | " | " | " | " | " | " | |
| Beryllium | ND | 2.2 | | | | | | " | |
| - | | 2.2 | " | " | " | | ,, | " | |
| Cadmium | ND | 2.2 2.5 | " | " | " | " | | | |
| Cadmium Cobalt | | 2.5 | | | | | " | " | |
| Cobalt | 7.1 | 2.5 3.3 | " | " | " | " | " | " | |
| | | 2.5 | " | " | " | " | " " | " " | |
| Cobalt Chromium Hexavalent Chromium | 7.1 15 ND | 2.5 3.3 2.3 | " " | " " | " " B1G1418 | " " 07/14/21 | " " 07/19/21 16:44 | " " " EPA 7199A | |
| Cobalt Chromium Hexavalent Chromium Copper | 7.1 15 ND 9.8 | 2.5 3.3 2.3 0.10 5.0 | " " | " " | " " B1G1418 B1G1412 | " " 07/14/21 07/14/21 | " " 07/19/21 16:44 07/19/21 15:58 | " " EPA 7199A EPA 6010B | |
| Cobalt Chromium Hexavalent Chromium Copper Mercury | 7.1 15 ND 9.8 ND | 2.5 3.3 2.3 0.10 5.0 0.90 | " | " | " " B1G1418 B1G1412 B1G1415 | " " 07/14/21 07/14/21 | " " 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 | " " EPA 7199A EPA 6010B EPA 7471A | |
| Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum | 7.1 15 ND 9.8 ND ND | 2.5 3.3 2.3 0.10 5.0 0.90 5.2 | " | " " " " " | " " B1G1418 B1G1412 | " " 07/14/21 07/14/21 | " " 07/19/21 16:44 07/19/21 15:58 | " " EPA 7199A EPA 6010B | |
| Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel | 7.1 15 ND 9.8 ND ND 8.7 | 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 | " | " | " " B1G1418 B1G1412 B1G1415 B1G1412 | " " 07/14/21 07/14/21 07/14/21 | " " 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 | " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead | 7.1 15 ND 9.8 ND ND 8.7 ND | 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 | " | " " " " " " " " " " " " " " " " " " " | " " B1G1418 B1G1412 B1G1415 B1G1412 | 07/14/21 07/14/21 07/14/21 07/14/21 " | " " 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 | " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony | 7.1 15 ND 9.8 ND ND 8.7 ND | 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 | " | " | " " B1G1418 B1G1412 B1G1415 B1G1412 | 07/14/21 07/14/21 07/14/21 07/14/21 | " 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 " " | " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " | |
| Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium | 7.1 15 ND 9.8 ND ND ND 8.7 ND ND ND | 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 6.9 | " | | " B1G1418 B1G1412 B1G1415 B1G1412 " " | 07/14/21 07/14/21 07/14/21 07/14/21 " | 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 | " EPA 7199A EPA 6010B EPA 6010B " " " | |
| Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony | 7.1 15 ND 9.8 ND ND 8.7 ND | 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 | | | " " B1G1418 B1G1412 B1G1415 B1G1412 " " " | 07/14/21 07/14/21 07/14/21 07/14/21 " | 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 | " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " " | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reported:



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-------------------------|--|--|---|---|--|---|---|---|-------|
| SV13-10 (2107188-23) Soil | Sampled: 07/13/21 11:31 | Receive | d: 07/13/21 17 | :07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 100 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 5.7 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 21 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1418 | 07/14/21 | 07/19/21 16:44 | EPA 7199A | |
| Copper | | 13 | 5.0 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1415 | 07/14/21 | 07/16/21 20:30 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Nickel | | 10 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 26 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 37 | 7.0 | " | " | " | " | " | " | |
| SV13-15 (2107188-24) Soil | Sampled: 07/13/21 11:38 | Receive | d: 07/13/21 17 | :07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 46 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | | ,, | " | " | " | |
| | | | | | " | | | | | |
| Cobalt | | 4.5 | 3.3 | " | " | " | " | " | " | |
| | | 4.5 12 | | " | | " | " | " | " | |
| Chromium | | | 3.3 | | " | | | | | |
| Chromium Hexavalent Chromium | | 12 | 3.3 2.3 | " | " | " | " | " | " | |
| Chromium Hexavalent Chromium Copper | | 12 ND | 3.3 2.3 0.10 | " | " " | " B1G1418 | 07/14/21 | " 07/19/21 16:44 | " EPA 7199A | |
| Chromium Hexavalent Chromium Copper Mercury | | 12 ND 8.0 | 3.3 2.3 0.10 5.0 | " | " " | " B1G1418 B1G1412 | 07/14/21 07/14/21 | " 07/19/21 16:44 07/19/21 15:58 | " EPA 7199A EPA 6010B | |
| Chromium Hexavalent Chromium Copper Mercury Molybdenum | | 12 ND 8.0 ND | 3.3 2.3 0.10 5.0 0.90 | " " " | " | " B1G1418 B1G1412 B1G1415 | " 07/14/21 07/14/21 07/14/21 | " 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 | " EPA 7199A EPA 6010B EPA 7471A | |
| Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel | | 12 ND 8.0 ND ND | 3.3 2.3 0.10 5.0 0.90 5.2 | " " " | " | " B1G1418 B1G1412 B1G1415 B1G1412 | " 07/14/21 07/14/21 07/14/21 | " 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 | " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead | | 12 ND 8.0 ND ND ND | 3.3 2.3 0.10 5.0 0.90 5.2 3.0 | " | " | " B1G1418 B1G1412 B1G1415 B1G1412 | " 07/14/21 07/14/21 07/14/21 " | " 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 | " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " | |
| Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony | | 12 ND 8.0 ND ND 7.0 ND | 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 | " | | " B1G1418 B1G1412 B1G1415 B1G1412 " | " 07/14/21 07/14/21 07/14/21 07/14/21 " " | 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 | "EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium Thallium | | 12 ND 8.0 ND ND 7.0 ND ND ND | 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 6.9 | " " " " " " " " | | "B1G1418 B1G1412 B1G1415 B1G1412 | " 07/14/21 07/14/21 07/14/21 07/14/21 " " | 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 | "EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony | | 12 ND 8.0 ND ND 7.0 ND | 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 | | | "B1G1418 B1G1412 B1G1415 B1G1412 | " 07/14/21 07/14/21 07/14/21 07/14/21 " " " | " 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 " " " | "EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |



Santa Monica CA, 90405 Project Manager: Susan Mearns

Reported: 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | No |
|--|-------------------------------|--------------------------|-------|----------|---------|----------|----------------|-----------|----|
| SV14-5 (2107188-25) Soil Samp | led: 07/13/21 12:49 Received: | 07/13/21 17: | 07 | | | | | | |
| Silver | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | ND | 5.5 | " | " | " | " | " | " | |
| Barium | 50 | 6.0 | " | " | " | " | " | " | |
| Beryllium | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | 4.7 | 3.3 | " | " | " | " | " | " | |
| Chromium | 11 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | ND | 0.10 | " | " | B1G1418 | 07/14/21 | 07/19/21 16:44 | EPA 7199A | |
| Copper | 7.4 | 5.0 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Mercury | ND | 0.90 | " | " | B1G1415 | 07/14/21 | 07/16/21 20:30 | EPA 7471A | |
| Molybdenum | ND | 5.2 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Nickel | 5.9 | 3.0 | " | " | " | " | " | " | |
| Lead | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | ND | 17 | " | " | " | " | " | " | |
| Vanadium | 15 | 5.1 | " | " | " | " | " | " | |
| Zinc | 22 | 7.0 | " | " | " | " | " | " | |
| SV14-10 (2107188-26) Soil Sam | pled: 07/13/21 12:54 Received | : 07/13/21 17 | 7:07 | | | | | | |
| Silver | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | ND | 5.5 | " | " | " | " | " | " | |
| Barium | 88 | 6.0 | " | " | " | " | " | " | |
| Beryllium | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | 5.6 | 3.3 | " | " | " | " | " | " | |
| Chromium | 22 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | ND | 0.10 | " | " | B1G1418 | 07/14/21 | 07/19/21 16:44 | EPA 7199A | |
| Copper | 12 | 5.0 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Mercury | ND | 0.78 | " | " | B1G1415 | 07/14/21 | 07/16/21 20:30 | EPA 7471A | |
| | | 5.2 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| • | ND | | | | " | " | " | " | |
| Molybdenum | ND 9.1 | 3.0 | " | " | " | | | | |
| Molybdenum Nickel | | | " | " | " | " | " | " | |
| Molybdenum Nickel Lead | 9.1 | 3.0 | | | | " | " | " | |
| Molybdenum Nickel Lead Antimony | 9.1 26 | 3.0 7.1 | " | " | " | | | | |
| Molybdenum Nickel Lead Antimony Selenium Thallium | 9.1 26 ND ND | 3.0 7.1 8.0 6.9 | " | " | " | " | " | " | |
| Molybdenum Nickel Lead Antimony Selenium | 9.1 26 ND | 3.0 7.1 8.0 | " | " " | " | " | " | " | |



Mearns Consulting LLC

738 Ashland Avenue

Project: Town Center Northwest

Project Number: [none]

Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | 1 | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV14-15 (2107188-27) Soil | Sampled: 07/13/21 13:01 | Received | d: 07/13/21 17 | :07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 38 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 3.8 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 12 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1418 | 07/14/21 | 07/19/21 16:44 | EPA 7199A | |
| Copper | | 6.9 | 5.0 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Mercury | | ND | 0.79 | " | " | B1G1415 | 07/14/21 | 07/16/21 20:30 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Nickel | | 6.4 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 13 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 28 | 7.0 | " | " | " | " | " | " | |
| SV15-5 (2107188-28) Soil | Sampled: 07/13/21 13:19 | Received | : 07/13/21 17:0 | 07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 110 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 4.9 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 12 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1418 | 07/14/21 | 07/19/21 16:44 | EPA 7199A | |
| Copper | | 9.0 | 5.0 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Mercury | | ND | 0.79 | " | " | B1G1415 | 07/14/21 | 07/16/21 20:30 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Nickel | | 6.7 | 3.0 | " | " | " | " | " | " | |
| MICKEI | | ND | 7.1 | " | " | " | " | " | " | |
| Lead | | ND | , | | | | | | | |
| | | ND | 8.0 | " | " | " | " | " | " | |
| Lead | | | | " | " | " | " | " | " | |
| Lead Antimony | | ND | 8.0 | | | | | | | |
| Lead Antimony Selenium | | ND ND | 8.0 6.9 | " | " | " | " | " | " | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reported:



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | 1 | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-------------------------|-----------------------------------|---|-------------|---|-------------------------|---------------------------|---------------------------------------|-----------------------------|-------|
| SV15-10 (2107188-29) Soil | Sampled: 07/13/21 13:23 | Receive | d: 07/13/21 17 | ':07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 79 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 7.8 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 16 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1418 | 07/14/21 | 07/19/21 16:44 | EPA 7199A | |
| Copper | | 13 | 5.0 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1415 | 07/14/21 | 07/16/21 20:30 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Nickel | | 12 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 26 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 38 | 7.0 | " | " | " | " | " | " | |
| SV15-15 (2107188-30) Soil | Sampled: 07/13/21 13:27 | Receive | d: 07/13/21 17 | ':07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 64 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 4.9 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 11 | 2.3 | " | " | " | " | " | " | |
| II 1 (CL) | | ND | 0.10 | " | " | B1G1418 | 07/14/21 | 07/19/21 16:44 | EPA 7199A | |
| Hexavalent Chromium | | | | | | D101412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| | | 6.9 | 5.0 | " | " | B1G1412 | 0//14/21 | 0 // 1 // 21 10 10 0 | LITTOOTOD | |
| Copper | | 6.9 ND | 5.0 0.90 | " | " | B1G1412 B1G1415 | 07/14/21 | 07/16/21 20:30 | EPA 7471A | |
| Copper Mercury | | | | | | | | | | |
| Copper Mercury Molybdenum | | ND | 0.90 | " | " | B1G1415 | 07/14/21 | 07/16/21 20:30 | EPA 7471A | |
| Copper Mercury Molybdenum Nickel | | ND ND | 0.90 5.2 | " | " | B1G1415 B1G1412 | 07/14/21 07/14/21 | 07/16/21 20:30 07/19/21 15:58 | EPA 7471A EPA 6010B | |
| Copper Mercury Molybdenum Nickel Lead | | ND ND 7.7 | 0.90 5.2 3.0 | " | " | B1G1415 B1G1412 | 07/14/21 07/14/21 | 07/16/21 20:30 07/19/21 15:58 | EPA 7471A EPA 6010B | |
| Copper Mercury Molybdenum Nickel Lead Antimony | | ND ND 7.7 ND | 0.90 5.2 3.0 7.1 8.0 | " " | " " " | B1G1415 B1G1412 | 07/14/21 07/14/21 " | 07/16/21 20:30 07/19/21 15:58 | EPA 7471A EPA 6010B | |
| Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium Thallium | | ND ND 7.7 ND ND | 0.90 5.2 3.0 7.1 | " " " | " " " | B1G1415 B1G1412 " | 07/14/21 07/14/21 " | 07/16/21 20:30 07/19/21 15:58 | EPA 7471A EPA 6010B " | |
| Copper Mercury Molybdenum Nickel Lead Antimony Selenium | | ND ND 7.7 ND ND ND | 0.90 5.2 3.0 7.1 8.0 6.9 | " " " " | " | B1G1415 B1G1412 " | 07/14/21 07/14/21 " " " | 07/16/21 20:30 07/19/21 15:58 " | EPA 7471A EPA 6010B " | |



Mearns Consulting LLCProject:Town Center Northwest738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | R | esult | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV16-5 (2107188-31) Soil | | | | | | | | | | |
| · | | | | | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | | " | ., | ,, | " | |
| Barium | | 160 | 6.0 | " | ., | ,, | ,, | " | " | |
| Beryllium | | ND | 2.2 | " | ., | ,, | ,, | ,, | " | |
| Cadmium | | ND | 2.5 | ,, | ,, | ,, | ,, | ,, | " | |
| Cobalt | | 7.4 | 3.3 2.3 | ,, | | ,, | ,, | | | |
| Chromium | | 17 ND | | ,, | ,, | | | | | |
| Hexavalent Chromium | | ND | 0.10 | " | ., | B1G1418 | 07/14/21 | 07/19/21 16:44 | EPA 7199A | |
| Copper | | 20 | 5.0 | " | ,, | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | , | B1G1415 | 07/14/21 | 07/16/21 20:30 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | , | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Nickel | | 11 | 3.0 | " | ., | " | " | " | " | |
| Lead | | 19 | 7.1 | " | ., | ,, | ,, | " | " | |
| Antimony | | ND | 8.0 | " | | " | ., | , | " | |
| Selenium | | ND | 6.9 | " | | " | " | , | " | |
| Thallium | | ND | 17 | | | " | ., | ,, | " | |
| Vanadium | | 24 | 5.1 | " | " | | | " | | |
| Zinc | | 63 | 7.0 | " | " | " | " | " | " | |
| SV16-10 (2107188-32) Soil | Sampled: 07/13/21 13:57 | Received | 1: 07/13/21 17: | :07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 130 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 11 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 24 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1418 | 07/14/21 | 07/19/21 16:44 | EPA 7199A | |
| Copper | | 27 | 5.0 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1415 | 07/14/21 | 07/16/21 20:30 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Nickel | | 16 | 3.0 | " | " | " | " | " | " | |
| Lead | | 27 | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| | | | | | | | | | | |
| Vanadium | | 36 | 5.1 | " | " | " | " | " | " | |



Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | F | tesult | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|-------------------------|---|---|---|---|--|---|---|---|------|
| SV16-15 (2107188-33) Soil | Sampled: 07/13/21 14:00 | Received | 1: 07/13/21 17 | :07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 720 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 8.0 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 23 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1418 | 07/14/21 | 07/19/21 16:44 | EPA 7199A | |
| Copper | | 37 | 5.0 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1415 | 07/14/21 | 07/16/21 20:30 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Nickel | | 16 | 3.0 | " | " | " | " | " | " | |
| Lead | | 61 | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 28 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 90 | 7.0 | " | " | " | " | " | " | |
| SV17-5 (2107188-34) Soil | Sampled: 07/13/21 14:44 | Received: | 07/13/21 17: | 07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | | 20 | 5.5 | " | " | " | " | " | " | |
| Barium | | 88 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | | | | | | | | |
| Codmissm | | | 2.2 | " | " | " | " | " | " | |
| Caumium | | ND | 2.2 2.5 | " | " | " | " | " | " | |
| | | ND 6.7 | | | | | | | | |
| Cobalt | | | 2.5 | " | " | " | " | " | " | |
| Cobalt Chromium | | 6.7 | 2.5 3.3 | " | " | " | " | " | " " | |
| Cobalt Chromium Hexavalent Chromium | | 6.7 18 | 2.5 3.3 2.3 | " " | " " | " | " | n n | 11 11 | |
| Cobalt Chromium Hexavalent Chromium Copper | | 6.7 18 ND | 2.5 3.3 2.3 0.10 | " " | " " | " " B1G1418 | " " 07/14/21 | " " 07/19/21 16:44 | " " EPA 7199A | |
| Cobalt Chromium Hexavalent Chromium Copper Mercury | | 6.7 18 ND 47 | 2.5 3.3 2.3 0.10 5.0 | " " " | " | " " B1G1418 B1G1412 | " " 07/14/21 07/14/21 | " " 07/19/21 16:44 07/19/21 15:58 | " " EPA 7199A EPA 6010B | |
| Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum | | 6.7 18 ND 47 ND | 2.5 3.3 2.3 0.10 5.0 0.90 | " | " | " " B1G1418 B1G1412 B1G1415 | " " 07/14/21 07/14/21 | 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 | " " EPA 7199A EPA 6010B EPA 7471A | |
| Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel | | 6.7 18 ND 47 ND ND | 2.5 3.3 2.3 0.10 5.0 0.90 5.2 | " | " | " " B1G1418 B1G1412 B1G1415 B1G1412 | " " 07/14/21 07/14/21 07/14/21 | " 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 | " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead | | 6.7 18 ND 47 ND ND 17 | 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 | " | " " " " " " " | " " B1G1418 B1G1412 B1G1415 B1G1412 | 07/14/21 07/14/21 07/14/21 07/14/21 | " 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 | " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " | |
| Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony | | 6.7 18 ND 47 ND ND 17 57 | 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 | " | | " " B1G1418 B1G1412 B1G1415 B1G1412 | 07/14/21 07/14/21 07/14/21 07/14/21 | " 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 " " | " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " | |
| Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium Thallium | | 6.7 18 ND 47 ND ND 17 57 | 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 | | | " B1G1418 B1G1412 B1G1415 B1G1412 " " | 07/14/21 07/14/21 07/14/21 07/14/21 " | " 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 " " | " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " " | |
| Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium | | 6.7 18 ND 47 ND ND 17 57 ND ND | 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 6.9 | | | " " B1G1418 B1G1412 B1G1415 B1G1412 " " " | 07/14/21 07/14/21 07/14/21 07/14/21 " | " 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 " " " | " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " " | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reported:



Santa Monica CA, 90405 Project Manager: Susan Mearns

Reported: 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---------------------------|-------------------------|---------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV17-10 (2107188-35) Soil | Sampled: 07/13/21 14:48 | Receive | 1: 07/13/21 17 | :07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 170 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 9.2 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 20 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1418 | 07/14/21 | 07/19/21 16:44 | EPA 7199A | |
| Copper | | 21 | 5.0 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1415 | 07/14/21 | 07/16/21 20:30 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Nickel | | 13 | 3.0 | " | " | " | " | " | " | |
| Lead | | 12 | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | ,, | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 28 | 5.1 | ,, | " | " | " | " | " | |
| Zinc | | 61 | 7.0 | " | " | " | " | " | " | |
| SV17-15 (2107188-36) Soil | Sampled: 07/13/21 14:53 | Receive | d: 07/13/21 17 | :07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 240 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 16 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 35 | 2.3 | " | " | " | ,, | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1418 | 07/14/21 | 07/19/21 16:44 | EPA 7199A | |
| Copper | | 35 | 5.0 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1415 | 07/14/21 | 07/16/21 20:30 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Nickel | | 19 | 3.0 | " | " | " | " | " | " | |
| Lead | | 12 | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | ,, | " | " | ,, | ,, | ,, | |
| Selenium | | 7.4 | 6.9 | | " | ,, | ,, | " | " | |
| Thallium | | ND | 17 | | " | ,, | ,, | " | " | |
| Vanadium | | 47 | 5.1 | ,, | ,, | " | ,, | " | " | |
| Vanaulum Zinc | | 120 | 7.0 | ,, | ,, | " | ,, | " | " | |
| Zinc | | 140 | 7.0 | | | | | | | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| 1 | | | | | | | | | |
|--|--|---|-----------------|---|--|---|--|---|------|
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| SV18-5 (2107188-37) Soil | Sampled: 07/13/21 15:19 Received | ed: 07/13/21 17: | 07 | | | | | | |
| Silver | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | ND | 5.5 | " | " | " | " | " | " | |
| Barium | 110 | 6.0 | " | " | " | " | " | " | |
| Beryllium | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | 8.2 | 3.3 | " | " | " | " | " | " | |
| Chromium | 18 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | ND | 0.10 | " | " | B1G1418 | 07/14/21 | 07/19/21 16:44 | EPA 7199A | |
| Copper | 16 | 5.0 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Mercury | ND | 0.90 | " | " | B1G1415 | 07/14/21 | 07/16/21 20:30 | EPA 7471A | |
| Molybdenum | ND | 5.2 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Nickel | 12 | 3.0 | " | " | " | " | " | " | |
| Lead | 14 | 7.1 | " | " | " | " | " | " | |
| Antimony | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | ND | 17 | " | " | " | " | " | " | |
| Vanadium | 28 | 5.1 | " | " | " | " | " | " | |
| Zinc | 66 | 7.0 | " | " | " | " | " | " | |
| | | | | | | | | | |
| SV18-10 (2107188-38) Soi | l Sampled: 07/13/21 15:25 Receiv | ved: 07/13/21 17 | 7:07 | | | | | | |
| , | * | | | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Silver | ND ND | 2.0 | 7:07 mg/kg | 1 " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Silver Arsenic | ND ND | 2.0 5.5 | mg/kg | | | | | | |
| Silver Arsenic Barium | ND ND 94 | 2.0 5.5 6.0 | mg/kg | " | " | " | " | " | |
| Silver Arsenic Barium Beryllium | ND ND 94 ND | 2.0 5.5 6.0 2.2 | mg/kg | " | " | " | " | " | |
| Silver Arsenic Barium Beryllium Cadmium | ND ND 94 | 2.0 5.5 6.0 | mg/kg " " | " " | " | " | " " | " | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt | ND ND 94 ND ND 9.8 | 2.0 5.5 6.0 2.2 2.5 | mg/kg " " | " " | " " | " " | " " " " | " | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium | ND ND 94 ND ND | 2.0 5.5 6.0 2.2 2.5 3.3 | mg/kg " " " " | " " " | " | " " " " | " " " " " | " | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium | ND ND 94 ND ND 9.8 18 ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 | mg/kg | " | " " " " B1G1418 | " " " " 07/14/21 | " " " " 07/19/21 16:44 | " " " EPA 7199A | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper | ND ND 94 ND ND 9.8 18 ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 | mg/kg | " | " " " B1G1418 B1G1412 | " " " 07/14/21 | """""""""""""""""""""""""""""""""""""" | " " " EPA 7199A EPA 6010B | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury | ND ND 94 ND ND 9.8 18 ND 14 ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 | mg/kg | " | " " " BIG1418 B1G1412 B1G1415 | """""""""""""""""""""""""""""""""""""" | """""""""""""""""""""""""""""""""""""" | " " " EPA 7199A EPA 6010B EPA 7471A | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum | ND ND 94 ND ND 9.8 18 ND 14 ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 | mg/kg | " | " " " B1G1418 B1G1412 | " " " 07/14/21 | """""""""""""""""""""""""""""""""""""" | " " " EPA 7199A EPA 6010B | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel | ND ND 94 ND ND 9.8 18 ND 14 ND ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 | mg/kg | " " " " " " " " " " | " " " BIG1418 B1G1412 B1G1415 B1G1412 | 07/14/21 07/14/21 07/14/21 07/14/21 | """""""""""""""""""""""""""""""""""""" | " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead | ND ND 94 ND ND 9.8 18 ND 14 ND ND ND 12 ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 | mg/kg | "" "" "" "" "" "" "" "" "" "" "" "" "" | BIG1418 BIG1412 BIG1415 BIG1412 | 07/14/21 07/14/21 07/14/21 07/14/21 | "" "" 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 | " " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony | ND ND 94 ND ND 9.8 18 ND 14 ND ND ND 12 ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 | mg/kg | """"""""""""""""""""""""""""""""""""""" | B1G1418 B1G1412 B1G1412 B1G1412 | 07/14/21 07/14/21 07/14/21 07/14/21 | 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 | " " " EPA 7199A EPA 6010B EPA 6010B " " | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium | ND ND 94 ND ND 14 ND ND 12 ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 6.9 | mg/kg | | B1G1418 B1G1412 B1G1412 B1G1412 | 07/14/21 07/14/21 07/14/21 07/14/21 " | 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 | " " EPA 7199A EPA 6010B EPA 6010B " " | |
| SV18-10 (2107188-38) Soi Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium Thallium Vanadium | ND ND 94 ND ND 9.8 18 ND 14 ND ND ND 12 ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 | mg/kg | | B1G1418 B1G1412 B1G1412 B1G1412 | 07/14/21 07/14/21 07/14/21 07/14/21 " | 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 | " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " " | |



Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-------------------------|---|---|---|---|--|---|--|---|-------|
| SV18-15 (2107188-39) Soil | Sampled: 07/13/21 15:29 | Received | l: 07/13/21 17 | 7:07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 100 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 7.7 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 25 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1418 | 07/14/21 | 07/19/21 16:44 | EPA 7199A | |
| Copper | | 16 | 5.0 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1415 | 07/14/21 | 07/16/21 20:30 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Nickel | | 16 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 35 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 54 | 7.0 | " | " | " | " | " | " | |
| SV19-5 (2107188-40) Soil | Sampled: 07/13/21 15:49 | Received | 07/13/21 17: | 07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | | ND | 5.5 | ,, | | ,, | " | " | " | |
| Barium | | | 5.5 | | " | " | | | | |
| | | 74 | 5.5 6.0 | " | " | " | " | " | " | |
| Beryllium | | | | | | | " | " | " | |
| • | | 74 | 6.0 | " | " | " | | | | |
| Cadmium | | 74 ND | 6.0 2.2 | " | " | " | " | " | " | |
| Cadmium Cobalt | | 74 ND ND | 6.0 2.2 2.5 | " | " " | " | " | " | " | |
| Cadmium Cobalt Chromium | | 74 ND ND 6.9 | 6.0 2.2 2.5 3.3 | " " | " " " | " " " | " " | " " | " " | |
| Cadmium Cobalt Chromium Hexavalent Chromium | | 74 ND ND 6.9 14 | 6.0 2.2 2.5 3.3 2.3 | " " " | " " " | " | " " | " " " | " " " | |
| Cadmium Cobalt Chromium Hexavalent Chromium Copper | | 74 ND ND 6.9 14 ND | 6.0 2.2 2.5 3.3 2.3 0.10 | " " " " " | " | " " " B1G1418 | " " " 07/14/21 | " " 07/19/21 16:44 | " " " EPA 7199A | |
| Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury | | 74 ND ND 6.9 14 ND | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 | " | " | " " " B1G1418 B1G1412 | " " 07/14/21 07/14/21 | " " 07/19/21 16:44 07/19/21 15:58 | " " EPA 7199A EPA 6010B | |
| Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum | | 74 ND ND 6.9 14 ND 11 ND | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 | " " " " " " " " " " " " " " " " " " " | " " " " " " " " " " " " " " " " " " " | " " " B1G1418 B1G1412 B1G1415 | 07/14/21 07/14/21 07/14/21 | " " 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 | " " EPA 7199A EPA 6010B EPA 7471A | |
| Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel | | 74 ND ND 6.9 14 ND 11 ND ND | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 | " | " | " " " BIG1418 BIG1412 BIG1415 BIG1412 | 07/14/21 07/14/21 07/14/21 07/14/21 | " " 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 | " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead | | 74 ND ND 6.9 14 ND 11 ND ND ND | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 | " | " | " " BIG1418 BIG1412 BIG1415 BIG1412 | 07/14/21 07/14/21 07/14/21 07/14/21 | " 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 " | " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " | |
| Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony | | 74 ND ND 6.9 14 ND 11 ND ND 11 | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 | | " | " " B1G1418 B1G1412 B1G1415 B1G1412 | 07/14/21 07/14/21 07/14/21 07/14/21 " | 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 | " EPA 7199A EPA 6010B EPA 6010B " " | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium Thallium | | 74 ND ND ND 6.9 14 ND 11 ND ND ND ND ND ND ND ND | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 6.9 | | | B1G1418 B1G1412 B1G1412 B1G1412 | 07/14/21 07/14/21 07/14/21 07/14/21 " | 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 | " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " " | |
| Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony | | 74 ND ND 6.9 14 ND 11 ND ND ND ND ND ND ND | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 | | | B1G1418 B1G1412 B1G1415 B1G1412 | 07/14/21 07/14/21 07/14/21 07/14/21 " | 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 | " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " " | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reported:



Santa Monica CA, 90405 Project Manager: Susan Mearns

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| | | | | | Laus, III | | | | | |
|---------------------------|-------------------------|-------------|--------------------|-------|-----------|---------|----------|----------------|-----------|-------|
| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| SV19-10 (2107188-41) Soil | Sampled: 07/13/21 15:54 | Received: 0 | 07/13/21 17 | 7:07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1413 | 07/14/21 | 07/19/21 16:48 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 66 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 7.3 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 17 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1419 | 07/14/21 | 07/19/21 17:00 | EPA 7199A | |
| Copper | | 12 | 5.0 | " | " | B1G1413 | 07/14/21 | 07/19/21 16:48 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1416 | 07/14/21 | 07/16/21 20:32 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1413 | 07/14/21 | 07/19/21 16:48 | EPA 6010B | |
| Nickel | | 12 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 23 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 35 | 7.0 | " | " | " | " | " | " | |
| SV19-15 (2107188-42) Soil | Sampled: 07/13/21 15:59 | Received: (|)7/13/21 17 | 7:07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1413 | 07/14/21 | 07/19/21 16:48 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 46 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 5.2 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 10 | 2.3 | " | " | " | ,, | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1419 | 07/14/21 | 07/19/21 17:00 | EPA 7199A | |
| Copper | | 7.8 | 5.0 | " | " | B1G1413 | 07/14/21 | 07/19/21 16:48 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1416 | 07/14/21 | 07/16/21 20:32 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1413 | 07/14/21 | 07/19/21 16:48 | EPA 6010B | |
| Nickel | | 8.1 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | ,, | " | ,, | " | |
| Selenium | | ND | 6.9 | " | " | " | " | ,, | " | |
| Thallium | | ND | 17 | " | " | " | " | | " | |
| Vanadium | | 15 | 5.1 | " | " | ,, | ,, | " | " | |
| Zinc | | 28 | 7.0 | " | " | ,, | ,, | " | " | |
| Zime | | 20 | 7.0 | | | | | | | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reported:

07/22/21 13:51



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV6-5 (2107188-01) Soil Sampled: 07/13 | /21 07:35 Received: | 07/13/21 17:07 | 7 | | | | | | |
| Surrogate: o-Terphenyl | | 61.2 % | 60-1 | | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 91.0 % | 35-1. | | B1G1502 | " | 07/15/21 12:38 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV6-10 (2107188-02) Soil Sampled: 07/1 | 3/21 07:44 Received: | 07/13/21 17:0 |)7 | | | | | | |
| Surrogate: o-Terphenyl | | 78.5 % | 60-1 | 75 | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 95.5 % | 35-1. | 30 | B1G1502 | " | 07/15/21 12:38 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV6-15 (2107188-03) Soil Sampled: 07/1 | 3/21 07:51 Received: | 07/13/21 17:0 |)7 | | | | | | |
| Surrogate: o-Terphenyl | | 73.8 % | 60-1 | 75 | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 98.4 % | 35-1. | 30 | B1G1502 | " | 07/15/21 12:38 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV7-5 (2107188-04) Soil Sampled: 07/13 | /21 08:15 Received: | 07/13/21 17:07 | 7 | | | | | | |
| Surrogate: o-Terphenyl | | 78.6 % | 60-1 | 75 | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 93.3 % | 35-1. | 30 | B1G1502 | " | 07/15/21 12:38 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.062 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|-----------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV7-10 (2107188-05) Soil Sampled: 07/13/21 | 08:25 Received: | 07/13/21 17:0 |)7 | | | | | | |
| Surrogate: o-Terphenyl Total Petroleum Hydrocarbons | ND | 74.3 % 5.0 | 60-1 | 75 | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | |
| (C13-C22) Total Petroleum Hydrocarbons | ND | 5.0 | " | " | " | " | " | " | |
| (C23-C40) | | 90.3 % | 25 1 | 20 | DIGI503 | " | 07/15/21 12 20 | " | |
| Surrogate: a,a,a-Trifluorotoluene Total Petroleum Hydrocarbons (C4-C12) | ND | 0.071 | 35-1 | " | B1G1502 | " | 07/15/21 12:38 | " | |
| SV7-15 (2107188-06) Soil Sampled: 07/13/21 | 08:30 Received: | 07/13/21 17:0 |)7 | | | | | | |
| Surrogate: o-Terphenyl | | 65.6 % | 60-1 | 75 | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 86.7 % | 35-1 | | B1G1502 | " | 07/15/21 12:38 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV8-5 (2107188-07) Soil Sampled: 07/13/21 0 | 8:56 Received: | 07/13/21 17:07 | 7 | | | | | | |
| Surrogate: o-Terphenyl | | 129 % | 60-1 | 75 | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | 27 | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 93.5 % | 35-1 | 30 | B1G1502 | " | 07/15/21 12:38 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.042 | " | " | " | " | " | " | |
| SV8-10 (2107188-08) Soil Sampled: 07/13/21 | 08:58 Received: | 07/13/21 17:0 |)7 | | | | | | |
| Surrogate: o-Terphenyl | | 60.8 % | 60-1 | 75 | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | ** | |
| Surrogate: a,a,a-Trifluorotoluene | | 93.9 % | 35-1 | 30 | B1G1502 | " | 07/15/21 12:38 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:
[none][none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|---------------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV8-15 (2107188-09) Soil Sampled: 07/13 | /21 09:06 Received | : 07/13/21 17:0 | 07 | | | | | | |
| Surrogate: o-Terphenyl | | 66.0 % | 60-17 | | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | 11 | |
| Surrogate: a,a,a-Trifluorotoluene | | 101 % | 35-13 | | B1G1502 | " | 07/15/21 12:38 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV9-5 (2107188-10) Soil Sampled: 07/13/2 | 21 09:19 Received: | 07/13/21 17:0 | 7 | | | | | | |
| Surrogate: o-Terphenyl | | % | 60-17 | 75 | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | S-03 |
| Total Petroleum Hydrocarbons | 110 | 100 | " | " | " | " | " | " | |
| (C13-C22) Total Petroleum Hydrocarbons (C23-C40) | 550 | 100 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 83.3 % | 35-13 | 80 | B1G1502 | " | 07/15/21 12:38 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.067 | " | " | " | " | " | " | |
| SV9-10 (2107188-11) Soil Sampled: 07/13 | /21 09:22 Received: | : 07/13/21 17:0 |)7 | | | | | | |
| Surrogate: o-Terphenyl | | 100 % | 60-17 | 75 | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | 50 | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 94.4 % | 35-13 | 30 | B1G1502 | " | 07/15/21 12:38 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.043 | " | " | " | " | " | " | |
| SV9-15 (2107188-12) Soil Sampled: 07/13 | /21 09:24 Received | : 07/13/21 17:0 | 07 | | | | | | |
| Surrogate: o-Terphenyl | | 90.6 % | 60-17 | 75 | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | |
| Total Petroleum Hydrocarbons | ND | 5.0 | " | " | " | " | " | " | |
| (C13-C22) Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 95.3 % | 35-13 | 30 | B1G1502 | " | 07/15/21 12:38 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |



Mearns Consulting LLC 738 Ashland Avenue Santa Monica CA, 90405 Project: Town Center Northwest

Project Number: [none]
Project Manager: Susan Mearns

Reported: 07/22/21 13:51

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|---------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV10-5 (2107188-13) Soil Sampled: 07/13/21 0 | 9:32 Received | : 07/13/21 17:0 | 7 | | | | | | |
| Surrogate: o-Terphenyl | | % | 60- | 175 | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | S-0. |
| Total Petroleum Hydrocarbons (C13-C22) | 510 | 100 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | 650 | 100 | " | " | " | " | u | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 80.6 % | 35- | 130 | B1G1502 | " | 07/15/21 12:38 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.084 | " | " | " | " | " | " | |
| SV10-10 (2107188-14) Soil Sampled: 07/13/21 | 09:36 Receive | d: 07/13/21 17: | 07 | | | | | | |
| Surrogate: o-Terphenyl | | 79.0 % | 60- | 175 | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | 52 | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 88.6 % | 35- | | B1G1502 | " | 07/15/21 12:38 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV10-15 (2107188-15) Soil Sampled: 07/13/21 | 09:52 Receive | d: 07/13/21 17: | 07 | | | | | | |
| Surrogate: o-Terphenyl | | 68.8 % | 60- | 175 | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 97.1 % | 35- | 130 | B1G1502 | " | 07/15/21 12:38 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV11-5 (2107188-16) Soil Sampled: 07/13/21 1 | 0:16 Received | : 07/13/21 17:0 | 7 | | | | | | |
| Surrogate: o-Terphenyl | | 86.1 % | 60- | 175 | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | 160 | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 94.5 % | 35- | 130 | B1G1502 | " | 07/15/21 12:38 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |



Santa Monica CA, 90405 Project Manager: Susan Mearns

Reported: 07/22/21 13:51

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|-------------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV11-10 (2107188-17) Soil Sampled: 07/13/2 | 21 10:20 Received | 1: 07/13/21 17 | :07 | | | | | | |
| Surrogate: o-Terphenyl | 20 | 120 % 5.0 | 60-1 | 75 | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | 39 | | | | | | | | |
| Total Petroleum Hydrocarbons (C23-C40) | 200 | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene Total Petroleum Hydrocarbons (C4-C12) | ND | 91.6 % 0.050 | 35-13 | 30 | B1G1502 | " | 07/15/21 12:38 | " | |
| SV11-15 (2107188-18) Soil Sampled: 07/13/2 | 21 10:26 Received | 1: 07/13/21 17: | :07 | | | | | | |
| Surrogate: o-Terphenyl Total Petroleum Hydrocarbons (C13-C22) | ND | 72.6 % 5.0 | 60-12 | 75 | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene Total Petroleum Hydrocarbons (C4-C12) | ND | 95.7 % 0.050 | 35-1. | 30 | B1G1502 | " | 07/15/21 12:38 | " | |
| SV12-5 (2107188-19) Soil Sampled: 07/13/2 | 1 10:49 Received | : 07/13/21 17:0 |)7 | | | | | | |
| Surrogate: o-Terphenyl Total Petroleum Hydrocarbons (C13-C22) | ND | 97.9 % 5.0 | 60-12 | 75 | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene Total Petroleum Hydrocarbons (C4-C12) | ND | 83.5 % 0.070 | 35-1. | 30 | B1G1502 | " | 07/15/21 12:38 | " | |
| SV12-10 (2107188-20) Soil Sampled: 07/13/2 | 21 10:58 Received | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: o-Terphenyl Total Petroleum Hydrocarbons (C13-C22) | ND | 111 % 5.0 | 60-1 | 75 | B1G1601 | 07/15/21 | 07/16/21 08:00 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene Total Petroleum Hydrocarbons (C4-C12) | ND | 79.2 % 0.050 | 35-1. | 30 | B1G1502 | " | 07/15/21 12:38 | " | |



738 Ashland Avenue Project Number: [none]
Santa Monica CA, 90405 Project Manager: Susan Mearns

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-------------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV12-15 (2107188-21) Soil Sampled: 07/13/ | 21 11:07 Received | 1: 07/13/21 17: | :07 | | | | | | |
| Surrogate: o-Terphenyl | | 91.5 % | 60 | 175 | B1G1601 | 07/15/21 | 07/16/21 08:00 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 88.6 % | 35- | 130 | B1G1503 | " | 07/15/21 13:57 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV13-5 (2107188-22) Soil Sampled: 07/13/2 | 1 11:26 Received: | 07/13/21 17:0 |)7 | | | | | | |
| Surrogate: o-Terphenyl | | 107 % | 60 | 175 | B1G1601 | 07/15/21 | 07/16/21 08:00 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 79.8 % | 35- | 130 | B1G1503 | " | 07/15/21 13:57 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV13-10 (2107188-23) Soil Sampled: 07/13/2 | 21 11:31 Received | 1: 07/13/21 17 | :07 | | | | | | |
| Surrogate: o-Terphenyl | | 80.4 % | 60 | 175 | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 96.1 % | 35- | 130 | B1G1913 | 07/19/21 | 07/20/21 10:02 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV13-15 (2107188-24) Soil Sampled: 07/13/2 | 21 11:38 Received | 1: 07/13/21 17 | :07 | | | | | | |
| Surrogate: o-Terphenyl | | 111 % | 60 | 175 | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 90.6 % | 35- | 130 | B1G1913 | 07/19/21 | 07/20/21 10:02 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reported:

07/22/21 13:51



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID Sierra Analytical Labs, Inc.

| | | | · | | | | | | |
|---|---------------|--------------------|-------|----------|--------------|----------|---------------------|-----------|-------|
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| SV14-5 (2107188-25) Soil Sampled: 07/13/21 1 | 2:49 Received | : 07/13/21 17:0 | 07 | | | | | | |
| Surrogate: o-Terphenyl Total Petroleum Hydrocarbons (C13-C22) | ND | 133 % 5.0 | 60-17 | 75 | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene Total Petroleum Hydrocarbons (C4-C12) | ND | 99.2 % 0.050 | 35-13 | " | B1G1913 " | 07/19/21 | 07/20/21 10:02 " | " | |
| SV14-10 (2107188-26) Soil Sampled: 07/13/21 | 12:54 Receive | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: o-Terphenyl Total Petroleum Hydrocarbons (C13-C22) | 53 | 183 % 5.0 | 60-17 | 75 " | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | S-07 |
| Total Petroleum Hydrocarbons (C23-C40) | 180 | 5.0 | " | " | " | " | " | ** | |
| Surrogate: a,a,a-Trifluorotoluene Total Petroleum Hydrocarbons (C4-C12) | 0.21 | 91.6 % 0.050 | 35-13 | " | B1G1913 " | 07/19/21 | 07/20/21 10:02 | " | |
| SV14-15 (2107188-27) Soil Sampled: 07/13/21 | 13:01 Receive | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: o-Terphenyl Total Petroleum Hydrocarbons (C13-C22) | ND | 71.9 % 5.0 | 60-17 | 75 | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene Total Petroleum Hydrocarbons (C4-C12) | ND | 96.1 % 0.050 | 35-13 | BO " | B1G1913 " | 07/19/21 | 07/20/21 10:02 | " | |
| SV15-5 (2107188-28) Soil Sampled: 07/13/21 1 | 3:19 Received | : 07/13/21 17:0 | 07 | | | | | | |
| Surrogate: o-Terphenyl Total Petroleum Hydrocarbons (C13-C22) | ND | 85.8 % 5.0 | 60-17 | 75 | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene Total Petroleum Hydrocarbons (C4-C12) | ND | 82.0 % 0.060 | 35-13 | 30 | B1G1913 | 07/19/21 | 07/20/21 10:02 | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|------------------|--------------------|---------------|----------|--------------|----------|---------------------|-----------|-------|
| SV15-10 (2107188-29) Soil Sampled: 07/13/2 | 1 13:23 Received | l: 07/13/21 17 | :07 | | | | | | |
| Surrogate: o-Terphenyl Total Petroleum Hydrocarbons | ND | 66.1 % 5.0 | 60-17 | 75 | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | |
| (C13-C22) Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene Total Petroleum Hydrocarbons (C4-C12) | ND | 90.3 % 0.056 | 35-13 | 30 | B1G1913 " | 07/19/21 | 07/20/21 10:02 | " | |
| SV15-15 (2107188-30) Soil Sampled: 07/13/2 | 1 13:27 Received | l: 07/13/21 17 | :07 | | | | | | |
| Surrogate: o-Terphenyl Total Petroleum Hydrocarbons (C13-C22) | ND | 98.6 % 5.0 | 60-17 | 75 | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene Total Petroleum Hydrocarbons (C4-C12) | ND | 83.7 % 0.065 | 35-1 <u>2</u> | 30 | B1G1913 " | 07/19/21 | 07/20/21 10:02 " | " | |
| SV16-5 (2107188-31) Soil Sampled: 07/13/21 | 13:54 Received: | 07/13/21 17:0 |)7 | | | | | | |
| Surrogate: o-Terphenyl Total Petroleum Hydrocarbons | 190 | 148 % 10 | 60-17 | 75 | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | |
| (C13-C22) Total Petroleum Hydrocarbons (C23-C40) | 500 | 10 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene Total Petroleum Hydrocarbons (C4-C12) | ND | 89.3 % 0.058 | 35-13 | 30 | B1G1913 " | 07/19/21 | 07/20/21 10:02 " | " " | |
| SV16-10 (2107188-32) Soil Sampled: 07/13/2 | 1 13:57 Received | l: 07/13/21 17 | :07 | | | | | | |
| Surrogate: o-Terphenyl Total Petroleum Hydrocarbons (C13-C22) | ND | 106 % 5.0 | 60-17 | 75 | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene Total Petroleum Hydrocarbons (C4-C12) | ND | 88.7 % 0.063 | 35-13 | 30 | B1G1913 " | 07/19/21 | 07/20/21 10:02 " | " | |



Mearns Consulting LLC 738 Ashland Avenue Santa Monica CA, 90405 Project: Town Center Northwest

Project Number: [none]
Project Manager: Susan Mearns

Reported: 07/22/21 13:51

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|------------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV16-15 (2107188-33) Soil Sampled: 07/13/2 | 21 14:00 Receive | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: o-Terphenyl | | 134 % | 60-1 | | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | 150 | 10 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | 200 | 10 | " | " | " | " | 11 | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 86.4 % | 35-1 | 30 | B1G1913 | 07/19/21 | 07/20/21 10:02 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | 0.26 | 0.059 | " | " | " | " | " | " | |
| SV17-5 (2107188-34) Soil Sampled: 07/13/2 | 1 14:44 Received | : 07/13/21 17:0 | 07 | | | | | | |
| Surrogate: o-Terphenyl | | 85.6 % | 60-1 | 75 | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | |
| Total Petroleum Hydrocarbons | 34 | 10 | " | " | " | " | " | " | |
| (C13-C22) Total Petroleum Hydrocarbons (C23-C40) | 650 | 10 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 98.3 % | 35-1 | | B1G1913 | 07/19/21 | 07/20/21 10:02 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | 0.052 | 0.050 | " | " | " | " | " | " | |
| SV17-10 (2107188-35) Soil Sampled: 07/13/2 | 21 14:48 Receive | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: o-Terphenyl | | 155 % | 60-1 | 75 | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | 79 | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 93.5 % | 35-1 | 30 | B1G1913 | 07/19/21 | 07/20/21 10:02 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV17-15 (2107188-36) Soil Sampled: 07/13/2 | 21 14:53 Receive | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: o-Terphenyl | | 137 % | 60-1 | 75 | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | |
| Total Petroleum Hydrocarbons | ND | 5.0 | " | " | " | " | " | " | |
| (C13-C22) Total Petroleum Hydrocarbons (C23-C40) | 78 | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 92.8 % | 35-1 | 30 | B1G1913 | 07/19/21 | 07/20/21 10:02 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |



Mearns Consulting LLC 738 Ashland Avenue Santa Monica CA, 90405 Project: Town Center Northwest

Project Number: [none]
Project Manager: Susan Mearns

Reported: 07/22/21 13:51

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|------------|--------------------|-------|----------|--------------|----------|----------------|-----------|-------|
| SV18-5 (2107188-37) Soil Sampled: 07/13/21 15:1 | 9 Received | d: 07/13/21 17:0 | 7 | | | | | | |
| Surrogate: o-Terphenyl | | 196 % | 60 | -175 | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | S-0 |
| Total Petroleum Hydrocarbons | 110 | 5.0 | " | " | " | " | " | " | |
| (C13-C22) Total Petroleum Hydrocarbons (C23-C40) | 600 | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene Total Petroleum Hydrocarbons (C4-C12) | ND | 76.6 % 0.10 | 35 | -130 | B1G1913 " | 07/19/21 | 07/20/21 10:02 | " | |
| SV18-10 (2107188-38) Soil Sampled: 07/13/21 15: | 25 Receive | ed: 07/13/21 17: | 07 | | | | | | |
| Surrogate: o-Terphenyl | | % | 60- | -175 | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | S-03 |
| Total Petroleum Hydrocarbons (C13-C22) | 1300 | 250 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | 2200 | 250 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 108 % | | -130 | B1G1913 | 07/19/21 | 07/20/21 10:02 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | 1100 | 6.3 | " | 100 | " | " | " | " | |
| SV18-15 (2107188-39) Soil Sampled: 07/13/21 15: | 29 Receive | ed: 07/13/21 17: | 07 | | | | | | |
| Surrogate: o-Terphenyl | | 94.7 % | 60 | -175 | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 133 % | 35 | -130 | B1G1913 | 07/19/21 | 07/20/21 10:02 | " | S-07 |
| Total Petroleum Hydrocarbons (C4-C12) | 0.48 | 0.044 | " | " | " | " | " | " | |
| SV19-5 (2107188-40) Soil Sampled: 07/13/21 15:4 | 9 Received | d: 07/13/21 17:0 | 7 | | | | | | |
| Surrogate: o-Terphenyl | | % | 60 | -175 | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | S-03 |
| Total Petroleum Hydrocarbons (C13-C22) | 2400 | 250 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 250 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 93.8 % | 35 | -130 | B1G1913 | 07/19/21 | 07/20/21 10:02 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | 2600 | 25 | " | 500 | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID Sierra Analytical Labs, Inc.

| Analyte | R | esult | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV19-10 (2107188-41) Soil S | Sampled: 07/13/21 15:54 | Received: | 07/13/21 17 | :07 | | | | | | |
| Surrogate: o-Terphenyl | | | % | 60- | -175 | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | S-03 |
| Total Petroleum Hydrocarbon (C13-C22) | ns | 590 | 25 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbon (C23-C40) | ns | 270 | 25 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotolue | ne | | 94.8 % | 35- | -130 | B1G1913 | 07/19/21 | 07/20/21 10:02 | " | |
| Total Petroleum Hydrocarbo (C4-C12) | ns | 510 | 22 | " | 500 | " | " | " | " | |
| SV19-15 (2107188-42) Soil S | Sampled: 07/13/21 15:59 | Received: | 07/13/21 17 | :07 | | | | | | |
| Surrogate: o-Terphenyl | | | % | 60- | -175 | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | S-03 |
| Total Petroleum Hydrocarbon (C13-C22) | ns 2 | 500 | 250 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbon (C23-C40) | ns | 530 | 250 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotolue | ne | | 116 % | 35- | -130 | B1G1913 | 07/19/21 | 07/20/21 10:02 | " | |
| Total Petroleum Hydrocarbon (C4-C12) | ns 1 | 500 | 25 | " | 500 | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV6-5 (2107188-01) Soil Sampled: 07/13/21 07:35 | Received: | 07/13/21 17:07 | | | | | | | |
| Surrogate: Dibromofluoromethane | | 120 % | 80- | | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 99.9 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 97.5 % | | 121 | " | " | " | " | |
| Benzene | ND | 5.8 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.8 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.8 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.8 | " | " | " | " | " | " | |
| Bromoform | ND | 5.8 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.8 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.8 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.8 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.8 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.8 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.8 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.8 | " | " | " | " | " | " | |
| Chloroform | ND | 5.8 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.8 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.8 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.8 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.8 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.8 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.8 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.8 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.8 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.8 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.8 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.8 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.8 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.8 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.8 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.8 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.8 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.8 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.8 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.8 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.8 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.8 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.8 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.8 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.8 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.8 | | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| | | ъ | | | | | | | |
|---------------------------|------------------------------|-----------------------|-------|----------|---------|----------|----------------|-----------|------|
| Analyte | Resu | Reporting It Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| SV6-5 (2107188-01) Soil | Sampled: 07/13/21 07:35 Rece | ived: 07/13/21 17:0 |)7 | | | | | | |
| p-Isopropyltoluene | NI | 5.8 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Methylene chloride | NI | 5.8 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | NI | 5.8 | " | " | " | " | " | " | |
| Naphthalene | NI | 5.8 | " | " | " | " | " | " | |
| n-Propylbenzene | NI | 5.8 | " | " | " | " | " | " | |
| Styrene | NI | 5.8 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | NI | 5.8 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | NI | 5.8 | " | " | " | " | " | " | |
| Tetrachloroethene | NI | 5.8 | " | " | " | " | " | " | |
| Toluene | NI | 5.8 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | NI | 5.8 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | NI | 5.8 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | NI | 5.8 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | NI | 5.8 | " | " | " | " | " | " | |
| Trichloroethene | NI | 5.8 | " | " | " | " | " | " | |
| Trichlorofluoromethane | NI | 5.8 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | NI | 5.8 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | NI | 5.8 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | NI | 5.8 | " | " | " | " | " | " | |
| Vinyl chloride | NI | 5.8 | " | " | " | " | " | " | |
| m,p-Xylene | NI | 5.8 | " | " | " | " | " | " | |
| o-Xylene | NI | 5.8 | " | " | " | " | " | " | |
| SV6-10 (2107188-02) Soil | Sampled: 07/13/21 07:44 Rec | eived: 07/13/21 17: | :07 | | | | | | |
| Surrogate: Dibromofluoron | nethane | 100 % | 80- | -120 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 101 % | 81 | -117 | " | " | " | " | |
| Surrogate: 4-Bromofluorol | penzene | 97.4 % | | -121 | " | " | " | " | |
| Benzene | NI | 9.9 | " | " | " | " | " | " | |
| Bromobenzene | NI | | " | " | " | " | " | " | |
| Bromochloromethane | NI | | " | " | " | " | " | " | |
| Bromodichloromethane | NI | | " | " | " | " | " | " | |
| Bromoform | NI | | " | " | " | " | " | " | |
| Bromomethane | NI | | " | " | " | " | " | " | |
| n-Butylbenzene | NI | | " | " | " | " | " | " | |
| sec-Butylbenzene | NI | | " | " | " | " | " | " | |
| tert-Butylbenzene | NI | | " | " | " | " | " | " | |
| Carbon tetrachloride | NI | | " | " | " | " | " | " | |
| Chlorobenzene | NI | | " | " | ,, | " | " | " | |
| Chloroethane | NI | | " | " | ,, | " | " | " | |
| Chloroform | NI | | " | " | " | " | " | " | |
| Chloromethane | NI | | " | " | ,, | ,, | " | " | |
| Chronomeniane | INI | 9.9 | | | | | | | |



Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|---------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV6-10 (2107188-02) Soil Sampled: 07/13/21 0 | 7:44 Received | : 07/13/21 17:0 |)7 | | | | | | |
| 2-Chlorotoluene | ND | 9.9 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 4-Chlorotoluene | ND | 9.9 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 9.9 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 9.9 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 9.9 | " | " | " | " | " | " | |
| Dibromomethane | ND | 9.9 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 9.9 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 9.9 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 9.9 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 9.9 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 9.9 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 9.9 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 9.9 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 9.9 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 9.9 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 9.9 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 9.9 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 9.9 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 9.9 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 9.9 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 9.9 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 9.9 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 9.9 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 9.9 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 9.9 | " | " | " | " | " | " | |
| Methylene chloride | ND | 9.9 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 9.9 | " | " | " | " | " | " | |
| Naphthalene | ND | 9.9 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 9.9 | " | " | " | " | " | " | |
| Styrene | ND | 9.9 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 9.9 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 9.9 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 9.9 | " | " | " | " | " | " | |
| Toluene | ND | 9.9 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 9.9 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 9.9 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 9.9 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 9.9 | " | " | " | " | " | " | |
| Trichloroethene | ND | 9.9 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 9.9 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 9.9 | " | " | " | " | " | " | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reported:



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV6-10 (2107188-02) Soil Sampled: 07/13/21 0 | 7:44 Received: | 07/13/21 17:0 | 07 | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 9.9 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 1,3,5-Trimethylbenzene | ND | 9.9 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 9.9 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 9.9 | " | " | " | " | " | " | |
| o-Xylene | ND | 9.9 | " | " | " | " | " | " | |
| SV6-15 (2107188-03) Soil Sampled: 07/13/21 0 | 7:51 Received: | 07/13/21 17:0 | 07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 105 % | 80 | 120 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 101 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 98.3 % | 74- | 121 | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV6-15 (2107188-03) Soil | Sampled: 07/13/21 07:51 | Received | : 07/13/21 17: | 07 | | | | | | |
| 2,2-Dichloropropane | | ND | 5.0 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 1,1-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| 6V7-5 (2107188-04) Soil Sampled: 07/13/21 08:15 | | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|-----------|----------------|-------|----------|---------|----------|----------------|-----------|-------|
| | Received: | 07/13/21 17:07 | | | | | - | | |
| Surrogate: Dibromofluoromethane | | 104 % | 80-1 | 120 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 99.7 % | 81-1 | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 95.7 % | 74-1 | 121 | " | " | " | " | |
| Benzene | ND | 6.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 6.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 6.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 6.0 | " | " | " | " | " | " | |
| Bromoform | ND | 6.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 6.0 | " | " | " | " | " | " | |
| -Butylbenzene | ND | 6.0 | " | " | " | " | " | " | |
| ec-Butylbenzene | ND | 6.0 | " | " | " | " | " | " | |
| ert-Butylbenzene | ND | 6.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 6.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 6.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 6.0 | " | " | " | " | " | " | |
| Chloroform | ND | 6.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 6.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 6.0 | " | " | " | " | " | " | |
| -Chlorotoluene | ND | 6.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 6.0 | " | " | " | " | " | " | |
| ,2-Dibromo-3-chloropropane | ND | 6.0 | " | " | " | " | " | " | |
| ,2-Dibromoethane (EDB) | ND | 6.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 6.0 | " | " | " | " | " | " | |
| ,2-Dichlorobenzene | ND | 6.0 | " | " | " | " | " | " | |
| ,3-Dichlorobenzene | ND | 6.0 | " | " | " | " | " | " | |
| ,4-Dichlorobenzene | ND | 6.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 6.0 | " | " | " | " | " | " | |
| ,1-Dichloroethane | ND | 6.0 | " | " | " | " | " | " | |
| ,2-Dichloroethane | ND | 6.0 | " | " | " | " | " | " | |
| ,1-Dichloroethene | ND | 6.0 | " | " | " | " | " | " | |
| is-1,2-Dichloroethene | ND | 6.0 | " | " | " | " | " | " | |
| rans-1,2-Dichloroethene | ND | 6.0 | " | " | " | " | " | " | |
| ,2-Dichloropropane | ND | 6.0 | " | " | " | " | " | " | |
| ,3-Dichloropropane | ND | 6.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 6.0 | " | " | " | " | " | " | |
| ,1-Dichloropropene | ND | 6.0 | " | " | " | " | " | " | |
| sis-1,3-Dichloropropene | ND | 6.0 | " | " | " | " | " | " | |
| rans-1,3-Dichloropropene | ND | 6.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 6.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 6.0 | " | " | " | " | " | " | |
| sopropylbenzene | ND | 6.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|-------------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| - | a | | | | Dilution | Datell | rrepared | Analyzeu | wichiou | 1100 |
| · | Sampled: 07/13/21 08:15 | | | 1 | | | | | | |
| p-Isopropyltoluene | | ND | 6.0 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Methylene chloride | | ND | 6.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 6.0 | " | " | " | " | " | " | |
| Naphthalene | | ND | 6.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 6.0 | " | " | " | " | " | " | |
| Styrene | | ND | 6.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 6.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 6.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 6.0 | " | " | " | " | " | " | |
| Toluene | | ND | 6.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 6.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 6.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 6.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 6.0 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 6.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 6.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 6.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 6.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 6.0 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 6.0 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 6.0 | " | " | " | " | " | " | |
| o-Xylene | | ND | 6.0 | " | " | " | " | " | " | |
| SV7-10 (2107188-05) Soil | Sampled: 07/13/21 08:25 | Received: | 07/13/21 17:0 | 7 | | | | | | |
| Surrogate: Dibromofluoron | nethane | | 103 % | 80- | 120 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | | 102 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorob | penzene | | 98.0 % | 74- | 121 | " | " | " | " | |
| Benzene | | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | | ND | 5.0 | " | " | " | " | " | " | |
| | | ND | 5.0 | " | " | " | " | " | " | |
| | | | | | | | | | | |
| Chlorobenzene Chloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | | ND ND | 5.0 5.0 | " | " | " | " | " | " | |



Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV7-10 (2107188-05) Soil Sampled: 07/13/21 08:25 | Received: | 07/13/21 17: | 07 | | | | | | |
| 2-Chlorotoluene | ND | 5.0 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | " | " | ,, | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | ND | 5.0 | " | ,, | ,, | ,, | " | " | |
| Trichlorofluoromethane | ND | 5.0 | " | ,, | ,, | ,, | " | " | |
| 1,2,3-Trichloropropane | ND | 5.0 | ,, | " | ,, | ,, | " | " | |
| 1,2,3-111011010p10pane | ND | 3.0 | | | | | | | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reported:



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV7-10 (2107188-05) Soil Sampled: 07/13/21 08:2 | 5 Received | : 07/13/21 17: | 07 | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| SV7-15 (2107188-06) Soil Sampled: 07/13/21 08:3 | 0 Received | 07/13/21 17: | 07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 101 % | 80 | 120 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 99.2 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 97.2 % | 74- | 121 | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | ,, | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | ,, | " | " | " | |



Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV7-15 (2107188-06) Soil | Sampled: 07/13/21 08:30 | Received | : 07/13/21 17: | 07 | | | | | | |
| 2,2-Dichloropropane | | ND | 5.0 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 1,1-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 5.0 | | " | " | " | " | " | |
| m,p-Xylene | | ND | 5.0 | | " | " | " | " | " | |
| o-Xylene | | ND | 5.0 | " | " | " | " | " | " | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reported:



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV8-5 (2107188-07) Soil Sampled: 07/13/21 08:56 | Received: | 07/13/21 17:07 | | - | | - | _ | - | |
| Surrogate: Dibromofluoromethane | | 109 % | 80- | | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 97.4 % | 81- | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 101 % | 74- | | " | " | " | " | |
| Benzene | ND | 4.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 4.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 4.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 4.0 | " | " | " | " | " | " | |
| Bromoform | ND | 4.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 4.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 4.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 4.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 4.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 4.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 4.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 4.0 | " | " | " | " | " | " | |
| Chloroform | ND | 4.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 4.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 4.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 4.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 4.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 4.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 4.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 4.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 4.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 4.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 4.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 4.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 4.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 4.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 4.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 4.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 4.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 4.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 4.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 4.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 4.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 4.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 4.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 4.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 4.0 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 4.0 | " | " | " | ,, | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|-------------------------|----------------|--------------------|----------|----------|---------|-----------|----------------|-----------|------|
| • | | | | | Dilution | Datell | 1 repared | Anaryzeu | wichiou | 1100 |
| · | Sampled: 07/13/21 08:56 | | | <u> </u> | | | | | | |
| p-Isopropyltoluene | | ND | 4.0 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Methylene chloride | | ND | 4.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 4.0 | " | " | " | " | " | " | |
| Naphthalene | | ND | 4.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 4.0 | " | " | " | " | " | " | |
| Styrene | | ND | 4.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 4.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 4.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 4.0 | " | " | " | " | " | " | |
| Toluene | | ND | 4.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 4.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 4.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 4.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 4.0 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 4.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 4.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 4.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 4.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 4.0 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 4.0 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 4.0 | " | " | " | " | " | " | |
| o-Xylene | | ND | 4.0 | " | " | " | " | " | " | |
| SV8-10 (2107188-08) Soil | Sampled: 07/13/21 08:58 | Received: | 07/13/21 17:0 |)7 | | | | | | |
| Surrogate: Dibromofluoron | nethane | | 108 % | 80- | -120 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | | 99.9 % | 81- | -117 | " | " | " | " | |
| Surrogate: 4-Bromofluorob | penzene | | 97.1 % | | -121 | " | " | " | " | |
| Benzene | | ND | 4.4 | " | " | " | " | " | " | |
| Bromobenzene | | ND | 4.4 | " | " | " | " | " | " | |
| Bromochloromethane | | ND | 4.4 | " | " | " | " | " | " | |
| Bromodichloromethane | | ND | 4.4 | " | " | " | " | " | " | |
| Bromoform | | ND | 4.4 | " | " | " | " | " | " | |
| Bromomethane | | ND | 4.4 | " | " | " | " | " | " | |
| n-Butylbenzene | | ND | 4.4 | " | " | " | " | " | " | |
| sec-Butylbenzene | | ND | 4.4 | " | " | " | " | " | " | |
| tert-Butylbenzene | | ND | 4.4 | " | " | " | " | " | " | |
| • | | ND | 4.4 | " | " | " | " | " | " | |
| Carbon tetrachloride | | | 4.4 | " | " | " | " | " | " | |
| | | ND | 7.7 | | | | | | | |
| Chlorobenzene | | ND ND | 4.4 | | " | " | " | " | " | |
| Carbon tetrachloride Chlorobenzene Chloroethane Chloroform | | ND ND ND | | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|-------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV8-10 (2107188-08) Soil Sampled: 07/13/21 08:58 | 8 Received: | : 07/13/21 17:0 | 07 | | | | | | |
| 2-Chlorotoluene | ND | 4.4 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 4-Chlorotoluene | ND | 4.4 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 4.4 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 4.4 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 4.4 | " | " | " | " | " | " | |
| Dibromomethane | ND | 4.4 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 4.4 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 4.4 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 4.4 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 4.4 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 4.4 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 4.4 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 4.4 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 4.4 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 4.4 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 4.4 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 4.4 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 4.4 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 4.4 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 4.4 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 4.4 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 4.4 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 4.4 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 4.4 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 4.4 | " | " | " | " | " | " | |
| Methylene chloride | ND | 4.4 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 4.4 | " | " | " | " | " | " | |
| Naphthalene | ND | 4.4 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 4.4 | " | " | " | " | " | " | |
| Styrene | ND | 4.4 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 4.4 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 4.4 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 4.4 | " | " | " | " | " | " | |
| Toluene | ND | 4.4 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 4.4 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 4.4 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 4.4 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 4.4 | " | " | " | " | " | " | |
| Trichloroethene | ND | 4.4 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 4.4 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 4.4 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV8-10 (2107188-08) Soil Sampled: 07/13/21 08 | 58 Received: | 07/13/21 17: | 07 | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 4.4 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 1,3,5-Trimethylbenzene | ND | 4.4 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 4.4 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 4.4 | " | " | " | " | " | " | |
| o-Xylene | ND | 4.4 | " | " | " | " | " | " | |
| SV8-15 (2107188-09) Soil Sampled: 07/13/21 09 | 06 Received: | 07/13/21 17: | 07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 108 % | 80 | 120 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 100 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 96.7 % | 74- | 121 | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | R | | orting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|---------------------------|------------------|-----------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV8-15 (2107188-09) Soil | Sampled: 07/13/21 09:06 R | Received: 07/13/ | 21 17:0 |)7 | | | | | | |
| 2,2-Dichloropropane | | ND | 5.0 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 1,1-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | | | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | | | 5.0 | " | " | " | " | " | " | |
| o-Xylene | | | 5.0 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|-------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV9-5 (2107188-10) Soil Sampled: 07/13/21 09:19 | Received: 0 | | | | | • | • | | |
| Surrogate: Dibromofluoromethane | | 115 % | 80-1 | 120 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 99.0 % | 81-1 | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 109 % | 74-1 | | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | No |
|---|-------------------------|----------------|--------------------|-------|----------|---------|----------|----------------|---|----|
| SV9-5 (2107188-10) Soil | Sampled: 07/13/21 09:19 | Received: (| 07/13/21 17:07 | 7 | | | | | | |
| p-Isopropyltoluene | | ND | 5.0 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Methylene chloride | | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 5.0 | " | " | " | " | " | " | |
| ,2,3-Trichloropropane | | ND | 5.0 | " | " | " | " | " | " | |
| ,2,4-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| ,3,5-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 5.0 | " | " | " | " | " | " | |
| n,p-Xylene | | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | | ND | 5.0 | " | " | " | " | " | " | |
| SV9-10 (2107188-11) Soil | Sampled: 07/13/21 09:22 | Received: | 07/13/21 17:0 |)7 | | | | | | |
| Surrogate: Dibromofluoron | nethane | | 104 % | 80-1 | 20 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | | 99.6 % | 81-1 | 17 | " | " | " | " | |
| Surrogate: 4-Bromofluorob | enzene | | 95.7 % | 74-1 | 21 | " | " | " | " | |
| Benzene | | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | | ND | 5.0 | " | " | " | " | " | " | |
|) | | ND | 5.0 | " | " | " | " | " | " | |
| sromomeinane | | ND | 5.0 | " | " | " | " | " | " | |
| | | | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | | ND | 5.0 | | | " | ,, | ,, | " | |
| -Butylbenzene ec-Butylbenzene | | ND ND | 5.0 | " | " | " | | | | |
| n-Butylbenzene sec-Butylbenzene ert-Butylbenzene | | | | " | " | " | " | " | " | |
| Bromomethane n-Butylbenzene sec-Butylbenzene eert-Butylbenzene Carbon tetrachloride Chlorobenzene | | ND | 5.0 | | " | | " | " | " | |
| n-Butylbenzene sec-Butylbenzene ert-Butylbenzene Carbon tetrachloride Chlorobenzene | | ND ND | 5.0 5.0 | " | | " | " | " " " | " " | |
| n-Butylbenzene sec-Butylbenzene ert-Butylbenzene Carbon tetrachloride | | ND ND ND | 5.0 5.0 5.0 | " | " | " | | | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|-------------|--------------------|-------|-----------|---------|----------|----------------|-----------|------|
| | | | | Diffution | DalCII | тератец | Anaiyzeu | Menion | note |
| SV9-10 (2107188-11) Soil Sampled: 07/13/21 09:22 | Received: 0 | 7/13/21 17:0 | 07 | | | | | | |
| 2-Chlorotoluene | ND | 5.0 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|---------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV9-10 (2107188-11) Soil Sampled: 07/13/21 0 | 9:22 Received | : 07/13/21 17:0 | 07 | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| SV9-15 (2107188-12) Soil Sampled: 07/13/21 0 | 9:24 Received | 1: 07/13/21 17: | 07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 107 % | 80 | 120 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 102 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 95.3 % | 74- | 121 | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | n . | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | | ,, | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | | ,, | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | | ,, | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | ,, | ,, | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | ,, | ,, | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,5 2.temoropropune | 112 | 5.0 | | | | | | | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV9-15 (2107188-12) Soil | Sampled: 07/13/21 09:24 | Received: | 07/13/21 17: | 07 | | | | | | |
| 2,2-Dichloropropane | | ND | 5.0 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 1,1-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | | ND | 5.0 | ,, | ,, | " | ,, | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV10-5 (2107188-13) Soil Sampled: 07/13/21 09:32 | Received: | 07/13/21 17:0 | 7 | | | | | | |
| Surrogate: Dibromofluoromethane | | 116 % | 80 | | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 99.7 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 114 % | 74 | | " | " | " | " | |
| Benzene | ND | 5.6 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.6 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.6 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.6 | " | " | " | " | " | " | |
| Bromoform | ND | 5.6 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.6 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.6 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.6 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.6 | " | " | " | " | " | " | |
| Chloroform | ND | 5.6 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.6 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.6 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.6 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.6 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.6 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.6 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.6 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.6 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.6 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.6 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.6 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.6 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.6 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.6 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.6 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.6 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.6 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.6 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.6 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|---------------------|--------------------|-------|----------|---------|-----------|----------------|-----------|------|
| - | | | | Dilution | Dawii | 1 repared | Anaryzeu | Meniod | 1101 |
| SV10-5 (2107188-13) Soil Sampled: 07/13/ | /21 09:32 Received: | 07/13/21 17:0 | 07 | | | | | | |
| p-Isopropyltoluene | ND | 5.6 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Methylene chloride | ND | 5.6 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 5.6 | " | " | " | " | " | " | |
| Naphthalene | ND | 5.6 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| Styrene | ND | 5.6 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.6 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 5.6 | " | " | " | " | " | " | |
| Toluene | ND | 5.6 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 5.6 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 5.6 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.6 | " | " | " | " | " | " | |
| Trichloroethene | ND | 5.6 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 5.6 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.6 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 5.6 | " | " | " | " | " | " | |
| o-Xylene | ND | 5.6 | " | " | " | " | " | " | |
| SV10-10 (2107188-14) Soil Sampled: 07/13 | 3/21 09:36 Received | 1: 07/13/21 17 | :07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 106 % | 80- | 120 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 103 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 97.0 % | 74 | | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene tert-Butylbenzene | ND | | | | | | | | |
| tert-Butylbenzene | ND ND | | " | " | " | " | " | " | |
| • | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene Carbon tetrachloride Chlorobenzene | ND ND | 5.0 5.0 | | " | | | " " | | |
| tert-Butylbenzene Carbon tetrachloride | ND | 5.0 | " | " " | " | | " " " | | |



Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|----------|--------------------|-----------|----------|---------|----------|----------------|-----------|------|
| | | | | | | Parea | | | 1.00 |
| SV10-10 (2107188-14) Soil Sampled: 07/13/21 0 | | | | | | | | | |
| 2-Chlorotoluene | ND | 5.0 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 5.0 | " | " | ,, | " | " | " | |
| Naphthalene | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 5.0 | " | " | ,, | " | " | " | |
| Styrene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ,, | " | ,, | ,, | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ,, | " | ,, | ,, | " | " | |
| Tetrachloroethene | ND | 5.0 | ,, | " | ,, | ,, | " | " | |
| Toluene | ND | 5.0 | " | ,, | ,, | " | " | " | |
| 1.2.3-Trichlorobenzene | ND ND | 5.0 | ,, | ,, | ,, | " | " | " | |
| 1,2,4-Trichlorobenzene | ND ND | 5.0 | ,, | ,, | ,, | " | " | ,, | |
| 1,1,1-Trichloroethane | ND ND | 5.0 | " | ,, | ,, | " | ,, | ,, | |
| 1,1,2-Trichloroethane | | | ,, | ,, | ,, | ,, | ,, | ,, | |
| * * | ND | 5.0 | ,, | | ,, | ,, | ,, | ,, | |
| Trichloroethene | ND | 5.0 | | | , | " | " | " | |
| Trichlorofluoromethane | ND | 5.0 | " | | | | | | |
| 1,2,3-Trichloropropane | ND | 5.0 | " | " | " | " | " | " | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reported:



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|----------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV10-10 (2107188-14) Soil Sampled: 07/13/21 09:36 | Received | : 07/13/21 17 | :07 | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| SV10-15 (2107188-15) Soil Sampled: 07/13/21 09:52 | Received | : 07/13/21 17 | :07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 119 % | 80- | 120 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 103 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 96.3 % | 74- | 121 | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | 1 | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------------|----------|---------|----------|----------------|-----------|-------|
| SV10-15 (2107188-15) Soil | Sampled: 07/13/21 09:52 | Received: | 07/13/21 17 | ':07 | | | | | | |
| 2,2-Dichloropropane | | ND | 5.0 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 1,1-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV11-5 (2107188-16) Soil Sampled: 07/13/21 10:10 | 6 Received: | : 07/13/21 17:0 | 7 | | | | | | |
| Surrogate: Dibromofluoromethane | | 105 % | 80- | | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 102 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 100 % | 74- | | " | " | " | " | |
| Benzene | ND | 5.6 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.6 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.6 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.6 | " | " | " | " | " | " | |
| Bromoform | ND | 5.6 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.6 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.6 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.6 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.6 | " | " | " | " | " | " | |
| Chloroform | ND | 5.6 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.6 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.6 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.6 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.6 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.6 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.6 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.6 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.6 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.6 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.6 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.6 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.6 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.6 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.6 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.6 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.6 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.6 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.6 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.6 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|--------------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV11-5 (2107188-16) Soil Sampled: 07/13 | /21 10:16 Received | : 07/13/21 17:0 | 07 | | | | | | |
| p-Isopropyltoluene | ND | 5.6 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Methylene chloride | ND | 5.6 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 5.6 | " | " | " | " | " | " | |
| Naphthalene | ND | 5.6 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| Styrene | ND | 5.6 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.6 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 5.6 | " | " | " | " | " | " | |
| Toluene | ND | 5.6 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 5.6 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 5.6 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.6 | " | " | " | " | " | " | |
| Trichloroethene | ND | 5.6 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 5.6 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.6 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 5.6 | " | " | " | " | " | " | |
| o-Xylene | ND | 5.6 | " | " | " | " | " | " | |
| SV11-10 (2107188-17) Soil Sampled: 07/1 | 3/21 10:20 Receive | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 102 % | 80-1 | 20 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 98.3 % | 81-1 | 17 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 99.1 % | 74-1 | 21 | " | " | " | " | |
| Benzene | ND | 5.8 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.8 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.8 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.8 | " | " | " | " | " | " | |
| Bromoform | ND | 5.8 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.8 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.8 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.8 | " | " | " | " | " | " | |
| | ND | 5.8 | " | " | " | " | " | " | |
| tert-Butylbenzene | 110 | | " | ,, | " | " | " | " | |
| tert-Butylbenzene | ND | 5.8 | " | | | | | | |
| tert-Butylbenzene Carbon tetrachloride | | 5.8 5.8 | " | " | " | " | " | " | |
| | ND | | | | | " | " | " | |
| tert-Butylbenzene Carbon tetrachloride Chlorobenzene | ND ND | 5.8 | " | " | " | | | " " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|--------|--------------------|------------|-----------|---------|-----------|----------------|-----------|-------|
| | | | | 2 HutiOII | Dutell | . repared | | | 11010 |
| SV11-10 (2107188-17) Soil Sampled: 07/13/21 | | | :07 | | | | | | |
| 2-Chlorotoluene | ND | 5.8 | $\mu g/kg$ | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 4-Chlorotoluene | ND | 5.8 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.8 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.8 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.8 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.8 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.8 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.8 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.8 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.8 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.8 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.8 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.8 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.8 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.8 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.8 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.8 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.8 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.8 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.8 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.8 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.8 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.8 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.8 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 5.8 | " | " | " | " | " | " | |
| Methylene chloride | ND | 5.8 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 5.8 | " | " | " | " | " | " | |
| Naphthalene | ND | 5.8 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 5.8 | " | " | " | " | " | " | |
| Styrene | ND | 5.8 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.8 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.8 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 5.8 | " | " | " | " | " | " | |
| Toluene | ND | 5.8 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 5.8 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 5.8 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.8 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.8 | " | " | " | " | " | " | |
| Trichloroethene | ND | 5.8 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 5.8 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 5.8 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV11-10 (2107188-17) Soil Sampled: 07/13/21 | 10:20 Receive | d: 07/13/21 17: | :07 | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.8 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 1,3,5-Trimethylbenzene | ND | 5.8 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.8 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 5.8 | " | " | " | " | " | " | |
| o-Xylene | ND | 5.8 | " | " | " | " | " | " | |
| SV11-15 (2107188-18) Soil Sampled: 07/13/21 | 10:26 Receive | d: 07/13/21 17: | :07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 106 % | 80- | 120 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 102 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 96.2 % | 74- | 121 | " | " | " | " | |
| Benzene | ND | 6.4 | " | " | " | " | " | " | |
| Bromobenzene | ND | 6.4 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 6.4 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 6.4 | " | " | " | " | " | " | |
| Bromoform | ND | 6.4 | " | " | " | " | " | " | |
| Bromomethane | ND | 6.4 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 6.4 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 6.4 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 6.4 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 6.4 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 6.4 | " | " | " | " | " | " | |
| Chloroethane | ND | 6.4 | " | " | " | " | " | " | |
| Chloroform | ND | 6.4 | " | " | " | " | " | " | |
| Chloromethane | ND | 6.4 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 6.4 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 6.4 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 6.4 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 6.4 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 6.4 | " | " | " | " | " | " | |
| Dibromomethane | ND | 6.4 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 6.4 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 6.4 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 6.4 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 6.4 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 6.4 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 6.4 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 6.4 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 6.4 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 6.4 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 6.4 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 6.4 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV11-15 (2107188-18) Soil 5 | Sampled: 07/13/21 10:26 | Received: | 07/13/21 17 | :07 | | | | | | |
| 2,2-Dichloropropane | | ND | 6.4 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 1,1-Dichloropropene | | ND | 6.4 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | | ND | 6.4 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | | ND | 6.4 | " | " | " | " | " | " | |
| Ethylbenzene | | ND | 6.4 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 6.4 | " | " | " | " | " | " | |
| Isopropylbenzene | | ND | 6.4 | " | " | " | " | " | " | |
| p-Isopropyltoluene | | ND | 6.4 | " | " | " | " | " | " | |
| Methylene chloride | | ND | 6.4 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 6.4 | " | " | " | " | " | " | |
| Naphthalene | | ND | 6.4 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 6.4 | " | " | " | " | " | " | |
| Styrene | | ND | 6.4 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 6.4 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 6.4 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 6.4 | " | " | " | " | " | " | |
| Toluene | | ND | 6.4 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 6.4 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 6.4 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 6.4 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 6.4 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 6.4 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 6.4 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 6.4 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 6.4 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 6.4 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 6.4 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 6.4 | " | " | " | " | " | " | |
| o-Xylene | | ND | 6.4 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|-------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV12-5 (2107188-19) Soil Sampled: 07/13/21 10:4 | 49 Received | : 07/13/21 17:0 |)7 | | | | | | |
| Surrogate: Dibromofluoromethane | | 110 % | 80- | | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 101 % | 81 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 95.6 % | 74- | 121 | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| | | D | • | <u> </u> | | | | | |
|--|--|--|----------------|----------|---|---|---|---|------|
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| SV12-5 (2107188-19) Soil Sampled: 07/13/2 | 21 10:49 Received: | 07/13/21 17:0 | 07 | | | | | | |
| p-Isopropyltoluene | ND | 5.0 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Methylene chloride | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| SV12-10 (2107188-20) Soil Sampled: 07/13 | 3/21 10:58 Received | l: 07/13/21 17 | :07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 106 % | 80-1 | 20 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 101 % | 81-1 | | | ,, | | | |
| Surrogate: 4-Bromofluorobenzene | | 101/0 | 01-1 | 17 | " | " | " | " | |
| | | 97.4 % | 74-1 | | " | " | " | " | |
| Benzene | ND | | | | | | | | |
| Benzene Bromobenzene | ND ND | 97.4 % | 74-1 | 21 | " | " | " | " | |
| | | 97.4 % 5.0 | 74-1 " | 21 | " | " | " | " | |
| Bromobenzene Bromochloromethane | ND | 97.4 % 5.0 5.0 | 74-1 " | 21 | " " | " | " " | " " | |
| Bromobenzene Bromochloromethane Bromodichloromethane | ND ND | 97.4 % 5.0 5.0 5.0 | 74-1 " " | 21 | " " " | " " | " " " " | " " | |
| Bromobenzene Bromochloromethane Bromodichloromethane Bromoform | ND ND ND | 97.4 % 5.0 5.0 5.0 5.0 | 74-1 " " | 21 | " | """"""""""""""""""""""""""""""""""""""" | " | " | |
| Bromobenzene Bromochloromethane Bromodichloromethane Bromoform Bromomethane | ND ND ND ND | 97.4 % 5.0 5.0 5.0 5.0 5.0 | 74-1 | 21 | " | """"""""""""""""""""""""""""""""""""""" | " | " | |
| Bromobenzene Bromochloromethane Bromodichloromethane Bromoform Bromomethane | ND ND ND ND ND | 97.4 % 5.0 5.0 5.0 5.0 5.0 5.0 | 74-1 | 21 | " | "" "" "" "" "" "" "" "" "" "" "" "" "" | " | " | |
| Bromobenzene Bromochloromethane Bromodichloromethane Bromoform Bromomethane n-Butylbenzene sec-Butylbenzene | ND ND ND ND ND | 97.4 % 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 | 74-1 | 21 | " | " " " " " " | "" "" "" "" "" "" "" "" "" "" "" "" "" | # " " " " " " " " " " " " " " " " " " " | |
| Bromobenzene Bromochloromethane Bromodichloromethane Bromoform Bromomethane n-Butylbenzene sec-Butylbenzene tert-Butylbenzene | ND ND ND ND ND ND | 97.4 % 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 | 74-1 | 21 | "" "" "" "" "" "" "" "" "" "" "" "" "" | " " " " " " " " " | "" "" "" "" "" "" "" "" "" "" "" "" "" | # # # # # # # # # # # # # # # # # # # | |
| Bromobenzene Bromochloromethane Bromodichloromethane Bromoform Bromomethane n-Butylbenzene sec-Butylbenzene tert-Butylbenzene Carbon tetrachloride | ND | 97.4 % 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 | 74-1 | 21 | "" "" "" "" "" "" "" "" "" "" "" "" "" | " | "" "" "" "" "" "" "" "" "" "" "" "" "" | # " " " " " " " " " " " " " " " " " " " | |
| Bromobenzene Bromochloromethane Bromodichloromethane Bromoform Bromomethane n-Butylbenzene sec-Butylbenzene tert-Butylbenzene Carbon tetrachloride Chlorobenzene | ND N | 97.4 % 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 | 74-1 | 21 | " " " " " " " " " " " " " " | "" "" "" "" "" "" "" "" "" "" "" "" "" | "" "" "" "" "" "" "" "" "" "" "" "" "" | # # # # # # # # # # # # # # # # # # # | |
| Bromobenzene Bromochloromethane Bromodichloromethane Bromoform Bromomethane n-Butylbenzene | ND | 97.4 % 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 | 74-1 | 21 | # # # # # # # # # # # # # # # # # # # | "" "" "" "" "" "" "" "" "" "" "" "" "" | "" "" "" "" "" "" "" "" "" "" "" "" "" | # # # # # # # # # # # # # # # # # # # | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV12-10 (2107188-20) Soil Sampled: 07/13/21 10:5 | 8 Received | d: 07/13/21 17 | :07 | | | | | | |
| 2-Chlorotoluene | ND | 5.0 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 5.0 | " | " | ,, | " | " | " | |
| 1,2,3-Trichloropropane | ND | 5.0 | ,, | ,, | ,, | ,, | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|-----------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV12-10 (2107188-20) Soil Sampled: 07/13/2 | 1 10:58 Receive | d: 07/13/21 17 | :07 | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| SV12-15 (2107188-21) Soil Sampled: 07/13/2 | 1 11:07 Receive | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 102 % | 80-1 | 20 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 99.5 % | 81-1 | 17 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 98.6 % | 74-1 | 21 | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |



Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | F | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------|------------------------|-------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV12-15 (2107188-21) Soil Sa | ampled: 07/13/21 11:07 | Received: 0 | 7/13/21 17 | :07 | | | | | | |
| 2,2-Dichloropropane | | ND | 5.0 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| 1,1-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | | ND | 5.0 | " | " | " | " | " | " | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reported:



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Surrogate: Inhuene-als | Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--|-----------|--------------------|-------|----------|-------|----------|----------|--------|-------|
| Surrogate: Inhuene-als | SV13-5 (2107188-22) Soil Sampled: 07/13/21 11:26 | Received: | 07/13/21 17:0 | 7 | | | | | | |
| Surrogate: 4-Bromofluorobenzene | Surrogate: Dibromofluoromethane | | | | | | | | | |
| Samogale - 9-binnightorouterace | Surrogate: Toluene-d8 | | | 81- | 117 | | " | | | |
| Bromokenzene ND S.0 " " " " " " " " " | Surrogate: 4-Bromofluorobenzene | | | | | | | | | |
| Bromochloromethane ND S.0 | Benzene | | | | | | | | | |
| Bromodichloromethane ND S.0 " | | | | " | | | | | " | |
| Bromoform ND 5.0 " <t< td=""><td></td><td></td><td></td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td></td></t<> | | | | " | " | " | " | " | " | |
| Bromomethane | | | | | | | | | " | |
| ND S.0 ND S.0 | | | | | | | | | " | |
| sec-Buylbenzene ND 5.0 " | | | | | | | | | " | |
| tert-Butylbenzene | | | | " | | " | " | | " | |
| Carbon tetrachloride ND 5.0 " | sec-Butylbenzene | | | | | " | | | " | |
| Chlorochtane | - | | | | | | | | | |
| Chlorochtane | | | | | | | | | " | |
| Chloroform | | | | | | | " | | " | |
| Chloromethane | | | | " | " | " | " | " | " | |
| 2-Chlorotoluene ND 5.0 " " " " " " " " " " " " " " " " " " " | Chloroform | | | " | " | " | " | " | " | |
| A-Chlorotoluene | Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane ND 5.0 " | 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane ND 5.0 " <td< td=""><td>4-Chlorotoluene</td><td>ND</td><td>5.0</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td></td></td<> | 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) ND 5.0 " " " " " " " | Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane ND 5.0 " " " " " " " " " | 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene ND 5.0 " <td>1,2-Dibromoethane (EDB)</td> <td></td> <td>5.0</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td> | 1,2-Dibromoethane (EDB) | | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene ND 5.0 " <td>Dibromomethane</td> <td></td> <td></td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td> | Dibromomethane | | | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene ND 5.0 " | 1,2-Dichlorobenzene | | | " | " | " | " | " | " | |
| Dichlorodifluoromethane ND 5.0 " " " " " " " " " " " " " " " " " " " | 1,3-Dichlorobenzene | ND | 5.0 | | | | " | | " | |
| 1,1-Dichloroethane ND 5.0 " | 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | Dichlorodifluoromethane | ND | 5.0 | | " | " | " | " | " | |
| 1,1-Dichloroethene ND 5.0 " | 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene ND 5.0 "< | 1,2-Dichloroethane | | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene ND 5.0 " " " " " " " " " " " " " " " 1,2-Dichloropropane ND 5.0 " " " " " " " " " " " " " " " " " " " | 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane ND 5.0 " <td>cis-1,2-Dichloroethene</td> <td>ND</td> <td>5.0</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td> | cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane ND 5.0 " <td>trans-1,2-Dichloroethene</td> <td>ND</td> <td>5.0</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td> | trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane ND 5.0 " <td>1,2-Dichloropropane</td> <td>ND</td> <td>5.0</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td> | 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene ND 5.0 " <td>1,3-Dichloropropane</td> <td>ND</td> <td>5.0</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td> | 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene ND 5.0 " </td <td>2,2-Dichloropropane</td> <td>ND</td> <td>5.0</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td> | 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene ND 5.0 " <th< td=""><td>1,1-Dichloropropene</td><td>ND</td><td>5.0</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td></td></th<> | 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene ND 5.0 " " " " " " " " " Hexachlorobutadiene ND 5.0 " " " " " " " " " " " | cis-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene ND 5.0 " " " " " " | trans-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| | Ethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene ND 5.0 " " " " " " | Hexachlorobutadiene | ND | 5.0 | " | " | " | " | " | " | |
| | Isopropylbenzene | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|--|---|--|---|--|---|--|--------|
| | | | Dilution | Dateii | 1 Tepated | Anaryzeu | Menion | INOL |
| 1 11:26 Received: | 07/13/21 17:0 | 07 | | | | | | |
| ND | 5.0 | $\mu g/kg$ | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| | | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| | | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| 21 11:31 Received | : 07/13/21 17 | :07 | | | | | | |
| | 104 % | 80-1 | 20 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EP4 8260B | |
| | | | | | . | | | |
| | 101 % | 81- | | " | " | " | " | |
| | 101 % 100 % | 81-1 74-1 | 17 | | " | " | | |
| ND | 100 % | 81-1 74-1 | 17 | " | | | " | |
| ND ND | 100 % 5.0 | 74-1 | 17 21 | " | " | " | " | |
| ND | 100 % 5.0 5.0 | 74-1 | 117 21 | " | " | " | " " | |
| ND ND | 100 % 5.0 5.0 5.0 | 74-1 " | 117 121 " | " | " " | " " " | " | |
| ND ND ND | 5.0 5.0 5.0 5.0 5.0 | 74-1 " " | 117 21 " | " " " " | " " | " " " " | " | |
| ND ND ND ND | 5.0 5.0 5.0 5.0 5.0 5.0 | 74-1 " " " | 17 21 " | "" "" "" "" "" "" "" "" "" "" "" "" "" | """"""""""""""""""""""""""""""""""""""" | " | " | |
| ND ND ND ND | 5.0 5.0 5.0 5.0 5.0 5.0 5.0 | 74-i | 17 21 " " " " " " " " " " " " " " " " " " | "" "" "" "" "" "" "" "" "" "" "" "" "" | "" "" "" "" "" "" "" "" "" "" "" "" "" | " | " | |
| ND ND ND ND ND | 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 | 74-1 | 17 21 " " " " " " " " " " " " " " " " " " | " | " | "" "" "" "" "" "" "" "" "" "" "" "" "" | " | |
| ND ND ND ND ND ND ND ND | 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 | 74-1 | 17 21 " " " " " " " " " " " " " " " " " " | " | " | " " " " " " " " " | " | |
| ND | 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 | 74-1 | 17 21 " " " " " " " " " " " " " " " " " " | " " " " " " " " " " " " " " " " " " " | " | " " " " " " " " " " | "" "" "" "" "" "" "" "" "" "" "" "" "" | |
| ND | 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 | 74-1 | 17 21 """""""""""""""""""""""""""""""""" | " " " " " " " " " " " " " " " " " " " | """"""""""""""""""""""""""""""""""""""" | " " " " " " " " " " " " | "" "" "" "" "" "" "" "" "" "" "" "" "" | |
| ND N | 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 | 74-1 | 17 21 """""""""""""""""""""""""""""""""" | " " " " " " " " " " " " " " " " " " " | "" "" "" "" "" "" "" "" "" "" "" "" "" | " " " " " " " " " " " " | "" "" "" "" "" "" "" "" "" "" "" "" "" | |
| ND | 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 | 74-1 | 17 21 """""""""""""""""""""""""""""""""" | " " " " " " " " " " " " " " " " " " " | "" "" "" "" "" "" "" "" "" "" "" "" "" | " " " " " " " " " " " " | "" "" "" "" "" "" "" "" "" "" "" "" "" | |
| | ND N | ND S.0 ND S.0 | Result Limit Units 111:26 Received: 07/13/21 17:07 ND 5.0 μg/kg ND 5.0 " ND 5.0 <td>Result Limit Units Dilution I 11:26 Received: 07/13/21 17:07 ND 5.0 μg/kg 1 ND 5.0 " " ND 5.0 "</td> <td> Result Limit Units Dilution Batch 11:26 Received: 07/13/21 17:07 </td> <td> Result Limit Units Dilution Batch Prepared 11:26 Received: 07/13/21 17:07 </td> <td>Result Limit Units Dilution Batch Prepared Analyzed 1 11:26 Received: 07/13/21 17:07 ND 5.0 μg/kg 1 B1G1505 07/15/21 07/15/21 13:22 ND 5.0 " " " " " " ND 5.0 " " " " " " " <td> Result</td></td> | Result Limit Units Dilution I 11:26 Received: 07/13/21 17:07 ND 5.0 μg/kg 1 ND 5.0 " " ND 5.0 " | Result Limit Units Dilution Batch 11:26 Received: 07/13/21 17:07 | Result Limit Units Dilution Batch Prepared 11:26 Received: 07/13/21 17:07 | Result Limit Units Dilution Batch Prepared Analyzed 1 11:26 Received: 07/13/21 17:07 ND 5.0 μg/kg 1 B1G1505 07/15/21 07/15/21 13:22 ND 5.0 " " " " " " ND 5.0 " " " " " " " <td> Result</td> | Result |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------|--------------------|-----------|----------|---------|----------|----------------|-----------|-------|
| | | | | | | Parea | ,2 | | 1,010 |
| SV13-10 (2107188-23) Soil Sampled: 07/13/21 11:: | | | | | | | | | |
| 2-Chlorotoluene | ND | 5.0 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | ND | 5.0 | " | " | " | " | " | " | |
| 1.2.3-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | ND | 5.0 | ,, | " | " | ,, | " | " | |
| Trichlorofluoromethane | ND ND | 5.0 | ,, | ,, | " | " | " | " | |
| 1,2,3-Trichloropropane | ND ND | 5.0 | ,, | ,, | " | " | " | " | |
| 1,2,3-111cmoropropane | עאו | 5.0 | | | | | | | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| | μg/kg " " " | 117 121 | B1G1505 | 07/15/21 | 07/15/21 13:22 " " " " " " " " " " " " " " " " " " | EPA 8260B " " " " " EPA 8260B " " | |
|---|--|---|---|---|--|---|---|
| 5.0 5.0 5.0 5.0 eived: 07/13/21 17 106 % 101 % 97.4 % 5.0 5.0 5.0 | 7:07 80- 81- 74- | " " " " " " " " " " " " " " " " " " " | B1G1505 | 07/15/21 | 07/15/21 13:22 | " " " " " " " " " " " " " " " " " " " | |
| 5.0 5.0 5.0 eived: 07/13/21 17 106 % 101 % 97.4 % 5.0 5.0 5.0 | 7:07 80- 81- 74- | " " " " " " " " " " " " " " " " " " " | B1G1505 | 07/15/21 | 07/15/21 13:22 | " " " EPA 8260B " | |
| 5.0 5.0 eived: 07/13/21 17 106 % 101 % 97.4 % 5.0 5.0 5.0 | 7:07 80- 81- 74- | " " 120 117 121 | B1G1505 | 07/15/21 | 07/15/21 13:22 | " " " " EPA 8260B " | |
| 5.0 eived: 07/13/21 17 106 % 101 % 97.4 % 5.0 5.0 5.0 | 80- 81- 74- | " 120 117 121 | B1G1505 | 07/15/21 | 07/15/21 13:22 | " EPA 8260B " | |
| 106 % 101 % 97.4 % 5.0 5.0 5.0 | 80- 81- 74- | 120 117 121 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| 106 % 101 % 97.4 % 5.0 5.0 | 80- 81- 74- | 117 121 | " | " | " | " | |
| 101 % 97.4 % 5.0 5.0 5.0 | 81- 74- | 117 121 | " | " | " | " | |
| 97.4 % 5.0 5.0 5.0 | 74- " | 121 | " | " | | | |
| 5.0 5.0 5.0 | " | " | | | " | " | |
| 5.0 5.0 | " | | ,, | | | | |
| 5.0 | " | | | " | " | " | |
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| 5.0 | | " | " | " | " | " | |
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| | " | " | " | ,, | " | " | |
| | 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 | 5.0 " | 5.0 " " " " 5.0 " " 5.0 " " " " 5.0 " " " 5.0 " " " 5.0 " " " 5.0 " " " 5.0 " " " 5.0 " " " 5.0 " " " " " 5.0 " " " " " 5.0 " " " " " 5.0 " " " " " 5.0 " " " " " 5.0 " " " " " 5.0 " " " " " 5.0 " " " " " 5.0 " " " " " 5.0 " " " " " 5.0 " " " " " 5.0 " " " " " 5.0 " " " " " 5.0 " " " " " 5.0 " " " " " 5.0 " " " " " 5.0 " " " " " " 5.0 " " " " " " 5.0 " " " " " " 5.0 " " " " " " 5.0 " " " " " " 5.0 " " " " " " 5.0 " " " " " " " 5.0 " " " " " " " " " " " " " " " " " " " | 5.0 " " " " " " 5.0 " " " " " " 5.0 " " " " " " " " " " " " " " " " " " " | 5.0 " " " " " " " " " " " " " " " " " " " | 5.0 " " " " " " " " " " " " " " " " " " " | 5.0 " |



Santa Monica CA, 90405 Project Manager: Susan Mearns

Reported: 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV13-15 (2107188-24) Soil | Sampled: 07/13/21 11:38 | Received: | 07/13/21 17 | :07 | | | | | | |
| 2,2-Dichloropropane | | ND | 5.0 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| 1,1-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV14-5 (2107188-25) Soil Sampled: 07/13/21 12:49 | 9 Received: | : 07/13/21 17:0 | 7 | | | | | | |
| Surrogate: Dibromofluoromethane | | 104 % | 80- | | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 103 % | | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 99.6 % | 74- | | " | " | " | " | |
| Benzene | ND | 5.6 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.6 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.6 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.6 | " | " | " | " | " | " | |
| Bromoform | ND | 5.6 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.6 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.6 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.6 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.6 | " | " | " | " | " | " | |
| Chloroform | ND | 5.6 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.6 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.6 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.6 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.6 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.6 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.6 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.6 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.6 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.6 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.6 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.6 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.6 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.6 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.6 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.6 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.6 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.6 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.6 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.6 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|---------------------|--------------------|------------|----------|---------|-----------|----------------|-----------|------|
| - | | | | Dilution | Daten | 1 repared | Anaryzeu | Menion | NOL |
| SV14-5 (2107188-25) Soil Sampled: 07/13/ | /21 12:49 Received: | 07/13/21 17:0 | 07 | | | | | | |
| p-Isopropyltoluene | ND | 5.6 | $\mu g/kg$ | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Methylene chloride | ND | 5.6 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 5.6 | " | " | " | " | " | " | |
| Naphthalene | ND | 5.6 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| Styrene | ND | 5.6 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.6 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 5.6 | " | " | " | " | " | " | |
| Toluene | ND | 5.6 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 5.6 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 5.6 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.6 | " | " | " | " | " | " | |
| Trichloroethene | ND | 5.6 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 5.6 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.6 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 5.6 | " | " | " | " | " | " | |
| o-Xylene | ND | 5.6 | " | " | " | " | " | " | |
| SV14-10 (2107188-26) Soil Sampled: 07/13 | 3/21 12:54 Received | 1: 07/13/21 17 | :07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 104 % | 80- | 120 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 103 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 100 % | 74- | 121 | " | " | " | " | |
| Benzene | ND | 5.9 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.9 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.9 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.9 | " | " | " | " | " | " | |
| Bromoform | ND | 5.9 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.9 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.9 | | " | " | " | " | " | |
| | ND | 5.9 | " | " | " | " | " | " | |
| sec-Butylbenzene | | 5.9 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 3.9 | | | | | | | |
| sec-Butylbenzene tert-Butylbenzene | ND ND | | | " | " | " | " | " | |
| sec-Butylbenzene tert-Butylbenzene Carbon tetrachloride | ND | 5.9 | " | " | " | " | " | " | |
| sec-Butylbenzene tert-Butylbenzene Carbon tetrachloride Chlorobenzene | ND ND | 5.9 5.9 | | " " | | | " " " | | |
| sec-Butylbenzene tert-Butylbenzene | ND | 5.9 | " | " " " | " | | " " " | | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Not |
|---|----------------|--------------------|-------------|----------|---------|---------------------------------------|----------------|-----------|-----|
| SV14-10 (2107188-26) Soil Sampled: 07/13/21 | 12:54 Received | : 07/13/21 17 | ':07 | | | · · · · · · · · · · · · · · · · · · · | | | |
| 2-Chlorotoluene | ND | 5.9 | | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| 4-Chlorotoluene | ND ND | 5.9 | μg/kg " | 1 " | B1G1505 | 0//15/21 | 0//13/21 13:22 | EPA 8200B | |
| Dibromochloromethane | ND | 5.9 | " | ,, | ,, | ,, | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.9 | ,, | " | ,, | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.9 | | ,, | " | ,, | " | " | |
| Dibromomethane | ND | 5.9 | | ,, | " | ,, | " | " | |
| 1,2-Dichlorobenzene | ND | 5.9 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.9 | " | " | " | " | ,, | " | |
| 1,4-Dichlorobenzene | ND | 5.9 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.9 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.9 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.9 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.9 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.9 | " | " | " | " | ,, | " | |
| trans-1,2-Dichloroethene | ND | 5.9 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.9 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.9 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.9 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.9 | " | " | " | " | ,, | " | |
| cis-1,3-Dichloropropene | ND | 5.9 | " | " | " | " | ,, | " | |
| trans-1,3-Dichloropropene | ND | 5.9 | " | " | " | " | " | " | |
| Ethylbenzene | 23 | 5.9 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.9 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.9 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 5.9 | " | " | " | " | " | " | |
| Methylene chloride | ND | 5.9 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 5.9 | " | " | " | " | " | " | |
| Naphthalene | ND | 5.9 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 5.9 | " | " | " | " | " | " | |
| Styrene | ND | 5.9 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.9 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.9 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 5.9 | " | " | " | " | " | " | |
| Toluene | ND | 5.9 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 5.9 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 5.9 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.9 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.9 | " | " | " | " | " | " | |
| Trichloroethene | ND | 5.9 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 5.9 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 5.9 | ,, | ,, | " | ,, | ,, | ,, | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------------|--------------------|-------------|----------|---------|----------|----------------|-----------|-------|
| SV14-10 (2107188-26) Soil Sampled: 07/13/21 12 | :54 Received | 1: 07/13/21 17 | ':07 | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.9 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| 1,3,5-Trimethylbenzene | ND | 5.9 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.9 | " | " | " | " | " | " | |
| m,p-Xylene | 110 | 5.9 | " | " | " | " | " | " | |
| o-Xylene | 43 | 5.9 | " | " | " | " | " | " | |
| SV14-15 (2107188-27) Soil Sampled: 07/13/21 13 | :01 Received | d: 07/13/21 17 | ':07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 101 % | 80 | 120 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 102 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 98.9 % | 74- | 121 | " | " | " | " | |
| Benzene | ND | 5.7 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.7 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.7 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.7 | " | " | " | " | " | " | |
| Bromoform | ND | 5.7 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.7 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.7 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.7 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.7 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.7 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.7 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.7 | " | " | " | " | " | " | |
| Chloroform | ND | 5.7 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.7 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.7 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.7 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.7 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.7 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.7 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.7 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.7 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.7 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.7 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.7 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.7 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.7 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.7 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.7 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.7 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.7 | " | " | ,, | " | " | " | |
| 1,3-Dichloropropane | ND | 5.7 | " | " | ,, | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | 1 | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|---------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV14-15 (2107188-27) Soil | Sampled: 07/13/21 13:01 | Receive | ed: 07/13/21 17 | :07 | | | | | | |
| 2,2-Dichloropropane | | ND | 5.7 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| 1,1-Dichloropropene | | ND | 5.7 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | | ND | 5.7 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | | ND | 5.7 | " | " | " | " | " | " | |
| Ethylbenzene | | ND | 5.7 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 5.7 | " | " | " | " | " | " | |
| Isopropylbenzene | | ND | 5.7 | " | " | " | " | " | " | |
| p-Isopropyltoluene | | ND | 5.7 | " | " | " | " | " | " | |
| Methylene chloride | | ND | 5.7 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 5.7 | " | " | " | " | " | " | |
| Naphthalene | | ND | 5.7 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 5.7 | " | " | " | " | " | " | |
| Styrene | | ND | 5.7 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 5.7 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 5.7 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 5.7 | " | " | " | " | " | " | |
| Toluene | | ND | 5.7 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 5.7 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 5.7 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 5.7 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 5.7 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 5.7 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 5.7 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 5.7 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 5.7 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 5.7 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 5.7 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 5.7 | " | " | " | " | " | " | |
| o-Xylene | | ND | 5.7 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV15-5 (2107188-28) Soil Sampled: 07/13/21 13:19 | Received: | 07/13/21 17:0 | 7 | | | | | | |
| Surrogate: Dibromofluoromethane | | 101 % | 80-1 | 120 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 102 % | 81-1 | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 95.7 % | 74-1 | 121 | " | " | " | " | |
| Benzene | ND | 8.7 | " | " | " | " | " | " | |
| Bromobenzene | ND | 8.7 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 8.7 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 8.7 | " | " | " | " | " | " | |
| Bromoform | ND | 8.7 | " | " | " | " | " | " | |
| Bromomethane | ND | 8.7 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 8.7 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 8.7 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 8.7 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 8.7 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 8.7 | " | " | " | " | " | " | |
| Chloroethane | ND | 8.7 | " | " | " | " | " | " | |
| Chloroform | ND | 8.7 | " | " | " | " | " | " | |
| Chloromethane | ND | 8.7 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 8.7 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 8.7 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 8.7 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 8.7 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 8.7 | " | " | " | " | " | " | |
| Dibromomethane | ND | 8.7 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 8.7 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 8.7 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 8.7 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 8.7 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 8.7 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 8.7 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 8.7 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 8.7 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 8.7 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 8.7 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 8.7 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 8.7 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 8.7 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 8.7 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 8.7 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 8.7 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 8.7 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 8.7 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|---------------------|--------------------|------------|----------|---------|-----------|----------------|-----------|------|
| - | | | | Dilution | Daten | 1 repared | Allalyzeu | Meniod | NOL |
| SV15-5 (2107188-28) Soil Sampled: 07/13/ | 21 13:19 Received: | 07/13/21 17:0 | 07 | | | | | | |
| p-Isopropyltoluene | ND | 8.7 | $\mu g/kg$ | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Methylene chloride | ND | 8.7 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 8.7 | " | " | " | " | " | " | |
| Naphthalene | ND | 8.7 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 8.7 | " | " | " | " | " | " | |
| Styrene | ND | 8.7 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 8.7 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 8.7 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 8.7 | " | " | " | " | " | " | |
| Toluene | ND | 8.7 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 8.7 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 8.7 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 8.7 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 8.7 | " | " | " | " | " | " | |
| Trichloroethene | ND | 8.7 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 8.7 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 8.7 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 8.7 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 8.7 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 8.7 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 8.7 | " | " | " | " | " | " | |
| o-Xylene | ND | 8.7 | " | " | " | " | " | " | |
| SV15-10 (2107188-29) Soil Sampled: 07/13 | 3/21 13:23 Received | l: 07/13/21 17 | :07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 107 % | 80- | 120 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 101 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 98.2 % | 74- | | " | " | " | " | |
| Benzene | ND | 6.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 6.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 6.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 6.0 | " | " | " | " | " | " | |
| Bromoform | ND | 6.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 6.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 6.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 6.0 | " | " | " | " | " | " | |
| • | ND | 6.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | | | ,, | " | " | " | " | " | |
| | ND | 6.0 | | | | | | | |
| Carbon tetrachloride | ND ND | 6.0 6.0 | | " | " | " | " | " | |
| Carbon tetrachloride Chlorobenzene | ND | 6.0 | " | " | " | " | " | " | |
| tert-Butylbenzene Carbon tetrachloride Chlorobenzene Chloroethane Chloroform | | | " | " " | | " | " " | " " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|-------------------|--------------------|-------------|----------|---------|----------|----------------|-----------|------|
| SV15-10 (2107188-29) Soil Sampled: 07/13/2 | 21 13:23 Received | d: 07/13/21 17 | ':07 | | | | | | |
| 2-Chlorotoluene | ND | 6.0 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| 4-Chlorotoluene | ND | 6.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 6.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 6.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 6.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 6.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 6.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 6.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 6.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 6.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 6.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 6.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 6.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 6.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 6.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 6.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 6.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 6.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 6.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 6.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 6.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 6.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 6.0 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 6.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 6.0 | " | " | " | " | " | " | |
| Methylene chloride | ND | 6.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 6.0 | " | " | " | " | " | " | |
| Naphthalene | ND | 6.0 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 6.0 | " | " | " | " | " | " | |
| Styrene | ND | 6.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 6.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 6.0 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 6.0 | " | " | " | " | " | " | |
| Toluene | ND | 6.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 6.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 6.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 6.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 6.0 | " | " | " | " | " | " | |
| Trichloroethene | ND | 6.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 6.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 6.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|------------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV15-10 (2107188-29) Soil Sampled: 07/13/2 | 21 13:23 Receive | d: 07/13/21 17 | :07 | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 6.0 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| 1,3,5-Trimethylbenzene | ND | 6.0 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 6.0 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 6.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 6.0 | " | " | " | " | " | " | |
| SV15-15 (2107188-30) Soil Sampled: 07/13/2 | 21 13:27 Receive | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 109 % | 80-1 | 20 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 100 % | 81-1 | 17 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 97.1 % | 74-1 | 21 | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | ,, | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | | ,, | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | F | Lesult | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV15-15 (2107188-30) Soil | Sampled: 07/13/21 13:27 | Received: 0 | 7/13/21 17 | 7:07 | | | | | | |
| 2,2-Dichloropropane | | ND | 5.0 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| 1,1-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV16-5 (2107188-31) Soil Sampled: 07/13/21 13:54 | Received | 07/13/21 17:0 | 17 | | | | | | |
| Surrogate: Dibromofluoromethane | | 105 % | 80-1 | | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 100 % | 81-1 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 101 % | 74-1 | 21 | " | " | " | " | |
| Benzene | ND | 6.4 | " | " | " | " | " | " | |
| Bromobenzene | ND | 6.4 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 6.4 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 6.4 | " | " | " | " | " | " | |
| Bromoform | ND | 6.4 | " | " | " | " | " | " | |
| Bromomethane | ND | 6.4 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 6.4 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 6.4 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 6.4 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 6.4 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 6.4 | " | " | " | " | " | " | |
| Chloroethane | ND | 6.4 | " | " | " | " | " | " | |
| Chloroform | ND | 6.4 | " | " | " | " | " | " | |
| Chloromethane | ND | 6.4 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 6.4 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 6.4 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 6.4 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 6.4 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 6.4 | " | " | " | " | " | " | |
| Dibromomethane | ND | 6.4 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 6.4 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 6.4 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 6.4 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 6.4 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 6.4 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 6.4 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 6.4 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 6.4 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 6.4 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 6.4 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 6.4 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 6.4 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 6.4 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 6.4 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 6.4 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 6.4 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 6.4 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 6.4 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|---------------------|--------------------|-------|----------|---------|-----------|----------------|-----------|------|
| - | | | | Dilution | Dalvii | 1 repared | Analyzeu | Menion | INOU |
| SV16-5 (2107188-31) Soil Sampled: 07/13/ | /21 13:54 Received: | 07/13/21 17: | 07 | | | | | | |
| p-Isopropyltoluene | ND | 6.4 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Methylene chloride | ND | 6.4 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 6.4 | " | " | " | " | " | " | |
| Naphthalene | ND | 6.4 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 6.4 | " | " | " | " | " | " | |
| Styrene | ND | 6.4 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 6.4 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 6.4 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 6.4 | " | " | " | " | " | " | |
| Toluene | ND | 6.4 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 6.4 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 6.4 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 6.4 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 6.4 | " | " | " | " | " | " | |
| Trichloroethene | ND | 6.4 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 6.4 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 6.4 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 6.4 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 6.4 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 6.4 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 6.4 | " | " | " | " | " | " | |
| o-Xylene | ND | 6.4 | " | " | " | " | " | " | |
| SV16-10 (2107188-32) Soil Sampled: 07/13 | 3/21 13:57 Received | 1: 07/13/21 17 | :07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 107 % | 80- | 120 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 104 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 95.3 % | 74- | | " | " | " | " | |
| Benzene | ND | 6.7 | " | " | " | " | " | " | |
| Bromobenzene | ND | 6.7 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 6.7 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 6.7 | " | " | " | " | " | " | |
| Bromoform | ND | 6.7 | " | " | " | " | " | " | |
| Bromomethane | ND | 6.7 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 6.7 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 6.7 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 6.7 | " | " | " | " | " | " | |
| | ND | 6.7 | " | " | " | " | " | " | |
| | | | | | | ,, | | ,, | |
| Carbon tetrachloride | | 6.7 | " | " | " | " | " | " | |
| Carbon tetrachloride Chlorobenzene | ND | 6.7 6.7 | " | " | " | " | " | " | |
| Carbon tetrachloride | | 6.7 6.7 6.7 | " | " " | | " | " | " " " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| ND ND ND ND ND ND | 6.7 6.7 6.7 6.7 6.7 6.7 | μg/kg " | 1 " | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
|----------------------------------|--|--|---|---|--|---|---|--|
| ND ND ND ND ND ND | 6.7 6.7 6.7 | μg/kg " | | | | 07/15/21 13:22 | EPA 8260B | |
| ND ND ND ND | 6.7 6.7 6.7 | " | | | | 07/13/21 13.22 | | |
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738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|-------------------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV16-10 (2107188-32) Soil Sampled: | 07/13/21 13:57 Received | d: 07/13/21 17: | :07 | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 6.7 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| 1,3,5-Trimethylbenzene | ND | 6.7 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 6.7 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 6.7 | " | " | " | " | " | " | |
| o-Xylene | ND | 6.7 | " | " | " | " | " | " | |
| SV16-15 (2107188-33) Soil Sampled: | 07/13/21 14:00 Received | d: 07/13/21 17: | :07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 111 % | 80- | -120 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 102 % | 81- | -117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 114 % | 74- | 121 | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | ,, | " | " | " | " | " | |
| | | | ., | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | F | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV16-15 (2107188-33) Soil | Sampled: 07/13/21 14:00 | Received: 0 | 7/13/21 17 | 7:07 | | | | | | |
| 2,2-Dichloropropane | | ND | 5.0 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| 1,1-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | | 14 | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|-------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV17-5 (2107188-34) Soil Sampled: 07/13/21 14:4 | 4 Received: | 07/13/21 17:0 | 7 | | | | | | |
| Surrogate: Dibromofluoromethane | | 119 % | 80- | | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 104 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 102 % | 74- | | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|---------------------|--------------------|-------|----------|---------|-----------|----------------|-----------|------|
| - | | | | Dilution | Dateii | 1 repared | Anaryzeu | Meniod | 1101 |
| SV17-5 (2107188-34) Soil Sampled: 07/13/ | /21 14:44 Received: | 07/13/21 17:0 | 07 | | | | | | |
| p-Isopropyltoluene | ND | 5.0 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Methylene chloride | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| SV17-10 (2107188-35) Soil Sampled: 07/13 | 3/21 14:48 Received | 1: 07/13/21 17 | :07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 120 % | 80- | 120 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 106 % | 81- | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 103 % | 74- | | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | ,, | ,, | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | ,, | " | " | |
| | ND | 5.0 | " | " | " | ,, | " | " | |
| sec-Butylbenzene | | 5.0 | " | " | " | ,, | " | " | |
| • | ND | | | | | ,, | | " | |
| tert-Butylbenzene | ND ND | | " | " | " | " | " | " | |
| tert-Butylbenzene Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene Carbon tetrachloride Chlorobenzene | ND ND | 5.0 5.0 | | " | | | " " | | |
| tert-Butylbenzene Carbon tetrachloride | ND | 5.0 | " | " " " | " | | " " " " " | | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|-----------|--------------------|-------|-----------|---------|----------|----------------|-----------|------|
| | | | | Diffution | Бакп | riepared | Anaiyzeu | Memod | note |
| SV17-10 (2107188-35) Soil Sampled: 07/13/21 14:48 | Received: | 07/13/21 17 | :07 | | | | | | |
| 2-Chlorotoluene | ND | 5.0 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---------------|--------------------|-------------|----------|---------|----------|----------------|-----------|-------|
| SV17-10 (2107188-35) Soil Sampled: 07/13/21 1 | 4:48 Received | d: 07/13/21 17 | ':07 | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| SV17-15 (2107188-36) Soil Sampled: 07/13/21 1 | 4:53 Received | d: 07/13/21 17 | ':07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 102 % | 80 | 120 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 106 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 102 % | 74- | 121 | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | ,, | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | ,, | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| | | | ,, | " | ,, | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV17-15 (2107188-36) Soil | Sampled: 07/13/21 14:53 | Received: 0 | 7/13/21 17 | 7:07 | | | | | | |
| 2,2-Dichloropropane | | ND | 5.0 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| 1,1-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | | ND | 5.0 | " | ,, | " | ,, | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV18-5 (2107188-37) Soil Sampled: 07/13/21 15:1 | 9 Received | | 7 | | | - | | | |
| Surrogate: Dibromofluoromethane | | 106 % | 80-12 | 20 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 102 % | 81-1 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 103 % | 74-12 | | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1 17 | | | | | | | | | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|---------------------|--------------------|-------|----------|---------|-----------|----------------|-----------|------|
| - | | | | Dilution | Dateii | 1 repared | Allalyzeu | Meniod | 1101 |
| SV18-5 (2107188-37) Soil Sampled: 07/13/ | 21 15:19 Received: | 07/13/21 17:0 | 07 | | | | | | |
| p-Isopropyltoluene | ND | 5.0 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Methylene chloride | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| SV18-10 (2107188-38) Soil Sampled: 07/13 | 3/21 15:25 Received | 1: 07/13/21 17 | :07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 116 % | 80- | 120 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 108 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 92.6 % | 74- | | " | " | " | " | |
| Benzene | 8.1 | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | 5.2 | 5.0 | " | " | " | " | " | " | |
| | 35 | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene tert-Butylbenzene | 5.0 | | | | | | | " | |
| tert-Butylbenzene | 5.0 ND | | " | " | " | " | " | | |
| • | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene Carbon tetrachloride Chlorobenzene | ND ND | 5.0 5.0 | " | " | | | | | |
| tert-Butylbenzene Carbon tetrachloride | ND | 5.0 | | " " " | " | | | | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|---------------------|--------------------|-------------|----------|---------|----------|----------------|-----------|------|
| SV18-10 (2107188-38) Soil Sampled: 07/1 | 13/21 15:25 Receive | d: 07/13/21 17 | ':07 | | | | | | |
| 2-Chlorotoluene | ND | 5.0 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | 23 | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | 31 | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | 36 | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | 35 | 5.0 | " | " | " | " | " | " | |
| Styrene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|------------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV18-10 (2107188-38) Soil Sampled: 07/13/2 | 21 15:25 Receive | d: 07/13/21 17 | :07 | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| SV18-15 (2107188-39) Soil Sampled: 07/13/2 | 21 15:29 Receive | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 110 % | 80-1 | 20 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 103 % | 81-1 | 17 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 102 % | 74-1 | 21 | " | " | " | " | |
| Benzene | ND | 4.4 | " | " | " | " | " | " | |
| Bromobenzene | ND | 4.4 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 4.4 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 4.4 | " | " | " | " | " | " | |
| Bromoform | ND | 4.4 | " | " | " | " | " | " | |
| Bromomethane | ND | 4.4 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 4.4 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 4.4 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 4.4 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 4.4 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 4.4 | " | " | " | " | " | " | |
| Chloroethane | ND | 4.4 | " | " | " | " | " | " | |
| Chloroform | ND | 4.4 | " | " | " | " | " | " | |
| Chloromethane | ND | 4.4 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 4.4 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 4.4 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 4.4 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 4.4 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 4.4 | " | " | " | " | " | " | |
| Dibromomethane | ND | 4.4 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 4.4 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 4.4 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 4.4 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 4.4 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 4.4 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 4.4 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 4.4 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 4.4 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 4.4 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 4.4 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 4.4 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | 1 | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|---------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV18-15 (2107188-39) Soil | Sampled: 07/13/21 15:29 | Receive | d: 07/13/21 17 | :07 | | | | | | |
| 2,2-Dichloropropane | | ND | 4.4 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| 1,1-Dichloropropene | | ND | 4.4 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | | ND | 4.4 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | | ND | 4.4 | " | " | " | " | " | " | |
| Ethylbenzene | | ND | 4.4 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 4.4 | " | " | " | " | " | " | |
| Isopropylbenzene | | ND | 4.4 | " | " | " | " | " | " | |
| p-Isopropyltoluene | | ND | 4.4 | " | " | " | " | " | " | |
| Methylene chloride | | ND | 4.4 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 4.4 | " | " | " | " | " | " | |
| Naphthalene | | ND | 4.4 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 4.4 | " | " | " | " | " | " | |
| Styrene | | ND | 4.4 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 4.4 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 4.4 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 4.4 | " | " | " | " | " | " | |
| Toluene | | ND | 4.4 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 4.4 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 4.4 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 4.4 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 4.4 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 4.4 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 4.4 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 4.4 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 4.4 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 4.4 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 4.4 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 4.4 | " | " | " | " | " | " | |
| o-Xylene | | ND | 4.4 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

$Volatile\ Organic\ Compounds\ by\ EPA\ Method\ 8260B$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV19-5 (2107188-40) Soil Sampled: 07/13/21 15:49 | Received: | 07/13/21 17:0 | 17 | | | | | | |
| Surrogate: Dibromofluoromethane | | 100 % | 80- | | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 105 % | 81- | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 105 % | 74 | | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | 1000 | 500 | " | 100 | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | 1 | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | 3000 | 500 | " | 100 | " | ,, | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|----------------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| | | | | Dilution | Datell | rrepared | Anatyzeu | wichiou | 1100 |
| SV19-5 (2107188-40) Soil Sampled: 07/13 | 3/21 15:49 Received: | 07/13/21 17:0 | 07 | | | | | | |
| p-Isopropyltoluene | ND | 5.0 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Methylene chloride | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | 1200 | 500 | " | 100 | " | " | " | " | |
| Naphthalene | 7700 | 500 | " | " | " | " | " | " | |
| n-Propylbenzene | 5700 | 500 | " | " | " | " | " | " | |
| Styrene | ND | 5.0 | " | 1 | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| SV19-10 (2107188-41) Soil Sampled: 07/1 | 3/21 15:54 Received | : 07/13/21 17 | :07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 104 % | 80- | 120 | B1G1507 | 07/16/21 | 07/19/21 13:35 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 112 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 117 % | 74- | 121 | " | " | " | " | |
| Benzene | ND | 6.9 | " | " | " | " | " | " | |
| Bromobenzene | ND | 6.9 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 6.9 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 6.9 | " | " | " | " | " | " | |
| Bromoform | ND | 6.9 | " | " | " | " | " | " | |
| Bromomethane | ND | 6.9 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 6.9 | " | " | " | " | " | " | |
| sec-Butylbenzene | 68 | 6.9 | " | " | " | " | " | " | |
| tert-Butylbenzene | 12 | 6.9 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 6.9 | " | " | " | " | " | " | |
| | ND | 6.9 | " | " | " | " | " | " | |
| Chlorobenzene | ND | | | | | | | | |
| | | 6.9 | " | " | " | " | " | " | |
| Chlorobenzene Chloroethane Chloroform | ND ND | | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-------------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV19-10 (2107188-41) Soil Sampled: 07/13 | /21 15:54 Receive | d: 07/13/21 17 | :07 | | | | | | |
| 2-Chlorotoluene | ND | 6.9 | μg/kg | 1 | B1G1507 | 07/16/21 | 07/19/21 13:35 | EPA 8260B | |
| 4-Chlorotoluene | ND | 6.9 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 6.9 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 6.9 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 6.9 | " | " | " | " | " | " | |
| Dibromomethane | ND | 6.9 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 6.9 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 6.9 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 6.9 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 6.9 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 6.9 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 6.9 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 6.9 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 6.9 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 6.9 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 6.9 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 6.9 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 6.9 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 6.9 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 6.9 | " | " | " | " | ,, | " | |
| trans-1,3-Dichloropropene | ND | 6.9 | | ,, | " | " | ,, | " | |
| Ethylbenzene | ND | 6.9 | ,, | ,, | ,, | ,, | " | " | |
| Hexachlorobutadiene | ND | 6.9 | ,, | " | ,, | ,, | ,, | " | |
| Isopropylbenzene | 1000 | 690 | ,, | 100 | " | " | ,, | " | |
| | ND | 6.9 | ,, | 100 | ,, | ,, | ,, | " | |
| p-Isopropyltoluene | ND ND | 6.9 | ,, | 1 " | ,, | ,, | " | " | |
| Methylene chloride | | | ,, | | ,, | , | ,, | " | |
| Methyl tert-butyl ether | 14000 | 690 | ,, | 100 | ,, | | | | |
| Naphthalene | ND | 690 | " | " | ,, | " | ," | " | |
| n-Propylbenzene | 1600 | 690 | " | | " | " | " | " | |
| Styrene | ND | 6.9 | " | 1 | .1 | " | | | |
| 1,1,1,2-Tetrachloroethane | ND | 6.9 | | | " | | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 6.9 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 6.9 | " | " | " | " | " | " | |
| Toluene | ND | 6.9 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 6.9 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 6.9 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 6.9 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 6.9 | " | " | " | " | " | " | |
| Trichloroethene | ND | 6.9 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 6.9 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 6.9 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|------------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV19-10 (2107188-41) Soil Sampled: 07/13/2 | 21 15:54 Receive | d: 07/13/21 17 | :07 | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 6.9 | μg/kg | 1 | B1G1507 | 07/16/21 | 07/19/21 13:35 | EPA 8260B | |
| 1,3,5-Trimethylbenzene | ND | 6.9 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 6.9 | " | " | " | " | " | " | |
| m,p-Xylene | 7.5 | 6.9 | " | " | " | " | " | " | |
| o-Xylene | ND | 6.9 | " | " | " | " | " | " | |
| SV19-15 (2107188-42) Soil Sampled: 07/13/2 | 21 15:59 Receive | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 105 % | 80- | 120 | B1G1507 | 07/16/21 | 07/19/21 13:35 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 109 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 95.8 % | 74- | 121 | " | " | " | " | |
| Benzene | ND | 500 | " | 100 | " | " | " | " | |
| Bromobenzene | ND | 500 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 500 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 500 | " | " | " | " | " | " | |
| Bromoform | ND | 500 | " | " | " | " | " | " | |
| Bromomethane | ND | 500 | " | " | " | " | " | " | |
| n-Butylbenzene | 1700 | 500 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 500 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 500 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 500 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 500 | " | " | " | " | " | " | |
| Chloroethane | ND | 500 | " | " | " | " | " | " | |
| Chloroform | ND | 500 | " | " | " | " | " | " | |
| Chloromethane | ND | 500 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 500 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 500 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 500 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 500 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 500 | " | " | " | " | " | " | |
| Dibromomethane | ND | 500 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 500 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 500 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 500 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 500 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 500 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 500 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 500 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 500 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 500 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 500 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 500 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Resul | Reporting t Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-----------------------------|----------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV19-15 (2107188-42) Soil | Sampled: 07/13/21 15:59 Rec | ceived: 07/13/21 17 | 7:07 | | | | | | |
| 2,2-Dichloropropane | ND | 500 | μg/kg | 100 | B1G1507 | 07/16/21 | 07/19/21 13:35 | EPA 8260B | |
| 1,1-Dichloropropene | ND | 500 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 500 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 500 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 500 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 500 | " | " | " | " | " | " | |
| Isopropylbenzene | 1700 | 500 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 500 | " | " | " | " | " | " | |
| Methylene chloride | ND | 500 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | 12000 | 500 | " | " | " | " | " | " | |
| Naphthalene | 13000 | 500 | " | " | " | " | " | " | |
| n-Propylbenzene | 4100 | 500 | " | " | " | " | " | " | |
| Styrene | ND | 500 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | NE | 500 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | NE | 500 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 500 | " | " | " | " | " | " | |
| Toluene | ND | 500 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | NE | 500 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 500 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | NE | 500 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | NE | 500 | " | " | " | " | " | " | |
| Trichloroethene | NE | 500 | " | " | " | " | " | " | |
| Trichlorofluoromethane | NE | 500 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | NE | 500 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 500 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 500 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 500 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 500 | " | " | " | " | " | " | |
| o-Xylene | ND | 500 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|-------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV6-5 (2107188-01) Soil Sampled: 07/13/21 07:35 | 5 Received: | 07/13/21 17:07 | | | | | | | |
| Surrogate: 2-Fluorophenol | | 101 % | | 121 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 72.7 % | | 113 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 48.5 % | | 120 | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 92.5 % | | 115 | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 97.3 % | | 122 | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 129 % | | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV6-5 (2107188-01) Soil | Sampled: 07/13/21 07:35 | Received: | 07/13/21 17:0 | 7 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | ; | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV6-10 (2107188-02) Soil Sampled: 07/13/21 07: | 44 Received | 1: 07/13/21 17:0 | 07 | | | | | | |
| Surrogate: 2-Fluorophenol | | 90.3 % | 25- | | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 42.7 % | | 113 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 58.8 % | | 120 | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 83.3 % | | 115 | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 34.4 % | | 122 | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 113 % | | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | ,, | " | " | " | ,, | " | |
| 2,4-Dinitrophenol | ND | 0.33 | ,, | ,, | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | ,, | ,, | ,, | ,, | ,, | " | |
| +,0-Dimu0-2-incuryiphenoi | ND | 0.33 | | | | | | | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV6-10 (2107188-02) Soil | Sampled: 07/13/21 07:44 | Received | : 07/13/21 17:0 |)7 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | ,, | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV6-15 (2107188-03) Soil Sampled: 07/13/21 07:51 | Received | : 07/13/21 17:0 | 07 | | | | | | |
| Surrogate: 2-Fluorophenol | | 83.7 % | 25- | | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 34.7 % | 24- | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 48.1 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 76.0 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 23.7 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 44.6 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV6-15 (2107188-03) Soil | Sampled: 07/13/21 07:51 | Received | : 07/13/21 17:0 | 07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | ,, | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | ,, | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | ,, | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | ,, | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | ,, | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | ,, | ,, | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|------------|--------------------|----------------|----------|---------|----------|----------------|-----------|------|
| SV7-5 (2107188-04) Soil Sampled: 07/13/21 08:15 | | | | | | 1 - | | | |
| | 1100011041 | | | 1 | DICIO2 | 07/15/21 | 07/16/21 00 50 | ED4 93797 | |
| Surrogate: 2-Fluorophenol Surrogate: Phenol-d6 | | 77.3 % 85.9 % | 25-12 24-11 | | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| _ | | | 24-11 23-12 | | " | ,, | ,, | " | |
| Surrogate: Nitrobenzene-d5 Surrogate: 2-Fluorobiphenyl | | 41.2 % 104 % | 23-12 30-11 | | ,, | ,, | ,, | " | |
| Surrogate: 2-Fluorobipnenyi Surrogate: 2,4,6-Tribromophenol | | 104 % 82.9 % | 30-11 19-12 | | ,, | ,, | " | " | |
| | | 77.4 % | 19-12 | | ,, | ,, | ,, | " | |
| Surrogate: Terphenyl-d14 Acenaphthene | ND | 0.33 | 10-13 | / " | ,, | ,, | ,, | " | |
| Acenaphthylene | ND ND | 0.33 | " | " | ,, | " | " | " | |
| Anthracene | ND ND | 0.33 | " | " | ,, | " | " | " | |
| Benzidine | ND ND | 0.33 | ,, | ,, | ,, | ,, | " | " | |
| Benzo (a) anthracene | ND ND | 0.33 | ,, | ,, | ,, | ,, | " | " | |
| Benzo (a) anuracene Benzo (b) fluoranthene | ND ND | 0.33 | " | " | ,, | ,, | ,, | " | |
| Benzo (k) fluoranthene | ND ND | 0.33 | " | " | ,, | ,, | ,, | " | |
| Benzo (a) pyrene | ND ND | 0.33 | " | " | ,, | ,, | ,, | " | |
| Benzo (g,h,i) perylene | ND ND | 0.33 | " | " | ,, | " | ,, | " | |
| Benzyl alcohol | ND ND | 0.33 | " | " | ,, | ,, | ,, | " | |
| Bis(2-chloroethyl)ether | ND ND | 0.33 | " | " | ,, | ,, | ,, | " | |
| Bis(2-chloroethoxy)methane | ND ND | 0.33 | " | " | ,, | ,, | ,, | " | |
| Bis(2-ethylhexyl)phthalate | ND ND | 0.33 | " | " | ,, | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND ND | 0.33 | " | " | ,, | ,, | ,, | " | |
| 4-Bromophenyl phenyl ether | ND ND | 0.33 | " | " | ,, | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | ,, | ,, | " | " | |
| 4-Chloroaniline | ND ND | 0.33 | " | " | ,, | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | ,, | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | ,, | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | ,, | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | ,, | " | ,, | ,, | |
| Chrysene | ND | 0.33 | " | " | ,, | " | ,, | ,, | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | ,, | " | ,, | ,, | |
| Dibenzofuran | ND | 0.33 | " | " | ,, | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | ,, | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | ,, | " | ,, | ,, | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | ,, | " | ,, | ,, | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | ,, | " | ,, | ,, | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | ,, | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | ,, | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | ,, | " | ,, | ,, | |
| Dimethyl phthalate | ND | 0.33 | " | " | ,, | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | ,, | " | ,, | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | ,, | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | ,, | " | " | " | |
| 7,0-Dilliu 0-2-ilicii yipiiciioi | עאו | 0.55 | | | | | | | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV7-5 (2107188-04) Soil | Sampled: 07/13/21 08:15 | Received: | 07/13/21 17:0 | 7 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | 2 | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | ; | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | ,, | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-------------|--------------------|-------|----------|---------|----------|----------------|-----------|---------|
| SV7-10 (2107188-05) Soil Sampled: 07/13/21 08:25 | | | | | ***** | r | -, | | - 10101 |
| | . Acteived: | | | | | | | | |
| Surrogate: 2-Fluorophenol | | 89.6 % | 25-12 | | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 43.5 % | 24-11 | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 47.5 % | 23-12 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 74.5 % | 30-11 | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 80.8 % | 19-12 | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 102 % | 18-13 | | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | ,, | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | ,, | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| ,,, Dimuo 2 memyiphenoi | 110 | 0.55 | | | | | | | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV7-10 (2107188-05) Soil | Sampled: 07/13/21 08:25 | Received | : 07/13/21 17: | 07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV7-15 (2107188-06) Soil Sampled: 07/13/21 08:30 | Received | : 07/13/21 17:0 | 7 | | | | | | |
| Surrogate: 2-Fluorophenol | | 69.8 % | 25- | | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 64.9 % | 24- | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 36.9 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 41.0 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 78.2 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 129 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV7-15 (2107188-06) Soil | Sampled: 07/13/21 08:30 | Received | : 07/13/21 17:0 | 07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| SV8-5 (2107188-07) Soil Sampled: 07/13/21 08:56 Received: 07/13/21 17:07 Surrogate: 2-Fluorophenol 119 % 25-121 B1GIO Surrogate: Phenol-d6 31.3 % 24-113 " Surrogate: Nitrobenzene-d5 48.1 % 23-120 " Surrogate: 2-Fluorobiphenyl 42.5 % 30-115 " Surrogate: Terphenyl-d14 45.6 % 19-122 " Acenaphthene ND 0.33 " " " Acenaphthylene ND 0.33 " " " Anthracene ND 0.33 " " " Benzidine ND 0.33 " " " Benzo (a) anthracene ND 0.33 " " " Benzo (b) fluoranthene ND 0.33 " " " Benzo (a) pyrene ND 0.33 " " " Benzo (a) pyrene ND 0.33 " " " Benzo (a) pyrene | 603 07/15/21 0 | | |
|--|----------------|---|----------|
| Surrogate: Phenol-d6 31.3 % 24-113 " Surrogate: Nitrobenzene-d5 48.1 % 23-120 " Surrogate: 2-Fluorobiphenyl 42.5 % 30-115 " Surrogate: 2,4,6-Tribromophenol 29.5 % 19-122 " Surrogate: Terphenyl-d14 45.6 % 18-137 " Acenaphthene ND 0.33 " " " Acenaphthylene ND 0.33 " " " Anthracene ND 0.33 " " " Benzidine ND 0.33 " " " Benzo (a) anthracene ND 0.33 " " " Benzo (b) fluoranthene ND 0.33 " " " Benzo (a) pyrene ND 0.33 " " " Benzo (g,h,i) perylene ND 0.33 " " " Benzyl alcohol ND 0.33 " " " | | | |
| Surrogate: Nitrobenzene-d5 48.1 % 23-120 " Surrogate: 2-Fluorobiphenyl 42.5 % 30-115 " Surrogate: 2,4,6-Tribromophenol 29.5 % 19-122 " Surrogate: Terphenyl-d14 45.6 % 18-137 " Acenaphthene ND 0.33 " " Acenaphthylene ND 0.33 " " Anthracene ND 0.33 " " Benzidine ND 0.33 " " Benzo (a) anthracene ND 0.33 " " Benzo (b) fluoranthene ND 0.33 " " Benzo (k) fluoranthene ND 0.33 " " " Benzo (a) pyrene ND 0.33 " " " Benzo (g,h,i) perylene ND 0.33 " " " Benzyl alcohol ND 0.33 " " " | " | | PA 8270C |
| Surrogate: 2-Fluorobiphenyl 42.5 % 30-115 " Surrogate: 2,4,6-Tribromophenol 29.5 % 19-122 " Surrogate: Terphenyl-d14 45.6 % 18-137 " Acenaphthene ND 0.33 " " " Acenaphthylene ND 0.33 " " " " Anthracene ND 0.33 " " " " Benzidine ND 0.33 " " " " Benzo (a) anthracene ND 0.33 " " " " Benzo (b) fluoranthene ND 0.33 " " " " Benzo (a) pyrene ND 0.33 " " " " Benzo (g,h,i) perylene ND 0.33 " " " " Benzyl alcohol ND 0.33 " " " " | | " | " |
| Surrogate: 2,4,6-Tribromophenol 29.5 % 19-122 " Surrogate: Terphenyl-d14 45.6 % 18-137 " Acenaphthene ND 0.33 " " Acenaphthylene ND 0.33 " " Anthracene ND 0.33 " " Benzidine ND 0.33 " " " Benzo (a) anthracene ND 0.33 " " " Benzo (b) fluoranthene ND 0.33 " " " Benzo (a) pyrene ND 0.33 " " " Benzo (g,h,i) perylene ND 0.33 " " " Benzyl alcohol ND 0.33 " " " " | " | " | " |
| Surrogate: Terphenyl-d14 45.6 % 18-137 " Acenaphthene ND 0.33 " " " Acenaphthylene ND 0.33 " " " " Anthracene ND 0.33 " " " " " Benzidine ND 0.33 " " " " Benzo (a) anthracene ND 0.33 " " " " Benzo (b) fluoranthene ND 0.33 " " " " Benzo (a) pyrene ND 0.33 " " " " Benzo (g,h,i) perylene ND 0.33 " " " " Benzyl alcohol ND 0.33 " | " | " | " |
| Acenaphthene ND 0.33 " " " Acenaphthylene ND 0.33 " " " Anthracene ND 0.33 " " " Benzidine ND 0.33 " " " Benzo (a) anthracene ND 0.33 " " " Benzo (b) fluoranthene ND 0.33 " " " Benzo (a) pyrene ND 0.33 " " " Benzo (g,h,i) perylene ND 0.33 " " " Benzyl alcohol ND 0.33 " " " " | " | " | " |
| Acenaphthylene ND 0.33 " " " Anthracene ND 0.33 " " " Benzidine ND 0.33 " " " Benzo (a) anthracene ND 0.33 " " " Benzo (b) fluoranthene ND 0.33 " " " Benzo (k) fluoranthene ND 0.33 " " " Benzo (a) pyrene ND 0.33 " " " Benzo (g,h,i) perylene ND 0.33 " " " Benzyl alcohol ND 0.33 " " " | " | " | " |
| Anthracene ND 0.33 " " " Benzidine ND 0.33 " " " Benzo (a) anthracene ND 0.33 " " " Benzo (b) fluoranthene ND 0.33 " " " Benzo (k) fluoranthene ND 0.33 " " " Benzo (a) pyrene ND 0.33 " " " Benzo (g,h,i) perylene ND 0.33 " " " Benzyl alcohol ND 0.33 " " " " | " | " | " |
| Benzidine ND 0.33 " < | " | " | " |
| Benzo (a) anthracene ND 0.33 " " " Benzo (b) fluoranthene ND 0.33 " " " " Benzo (k) fluoranthene ND 0.33 " " " " Benzo (a) pyrene ND 0.33 " " " " Benzo (g,h,i) perylene ND 0.33 " " " " Benzyl alcohol ND 0.33 " " " " | " | " | " |
| Benzo (b) fluoranthene ND 0.33 " " " Benzo (k) fluoranthene ND 0.33 " " " " Benzo (a) pyrene ND 0.33 " " " " Benzo (g,h,i) perylene ND 0.33 " " " " Benzyl alcohol ND 0.33 " " " " | " | " | " |
| Benzo (k) fluoranthene ND 0.33 " " " Benzo (a) pyrene ND 0.33 " " " Benzo (g,h,i) perylene ND 0.33 " " " Benzyl alcohol ND 0.33 " " " " | " | " | " |
| Benzo (a) pyrene ND 0.33 " " " Benzo (g,h,i) perylene ND 0.33 " " " Benzyl alcohol ND 0.33 " " " | " | " | " |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | " | " | " |
| Benzyl alcohol ND 0.33 " " " | " | " | " |
| | " | " | " |
| Bis(2-chloroethyl)ether ND 0.33 " " " | " | " | " |
| | " | " | m . |
| Bis(2-chloroethoxy)methane ND 0.33 " " " | " | " | m . |
| Bis(2-ethylhexyl)phthalate ND 0.33 " " " | " | " | " |
| Bis(2-chloroisopropyl)ether ND 0.33 " " " | " | " | " |
| 4-Bromophenyl phenyl ether ND 0.33 " " " | " | " | " |
| Butyl benzyl phthalate ND 0.33 " " " | " | " | " |
| 4-Chloroaniline ND 0.33 " " " | " | " | " |
| 2-Chlorophenol ND 0.33 " " " | " | " | m . |
| 4-Chloro-3-methylphenol ND 0.33 " " " | " | " | m . |
| 2-Chloronaphthalene ND 0.33 " " " | " | " | m . |
| 4-Chlorophenyl phenyl ether ND 0.33 " " " | " | " | " |
| Chrysene ND 0.33 " " " | " | " | " |
| Dibenz (a,h) anthracene ND 0.33 " " " | " | " | " |
| Dibenzofuran ND 0.33 " " " | " | " | " |
| 1,3-Dichlorobenzene ND 0.33 " " " | " | " | " |
| 1,2-Dichlorobenzene ND 0.33 " " " | " | " | " |
| 1,4-Dichlorobenzene ND 0.33 " " " | " | " | " |
| 3,3'-Dichlorobenzidine ND 0.33 " " " | " | " | " |
| 2,4-Dichlorophenol ND 0.33 " " " | " | " | " |
| Diethyl phthalate ND 0.33 " " " | | " | " |
| 2,4-Dimethylphenol ND 0.33 " " " | " | | |
| Dimethyl phthalate ND 0.33 " " " | " | " | " |
| Di-n-butyl phthalate ND 0.33 " " " | | " | " |
| • • | " | | |
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| 4,6-Dinitro-2-methylphenol ND 0.33 " " " | " " | " | " |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV8-5 (2107188-07) Soil | Sampled: 07/13/21 08:56 | Received: | 07/13/21 17:0 | 7 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | ; | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--|---|---|--|--|---|---|---|
| Received | : 07/13/21 17:0 | | | ***** | r | -, | | -10101 |
| Received | | | | | | | | |
| | | | | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
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| | | " | " | " | " | " | " | |
| ND | 0.33 | " | " | " | " | " | " | |
| | | " | " | " | " | " | " | |
| | | " | " | " | " | " | " | |
| | 0.33 | " | " | " | " | " | " | |
| ND | 0.33 | " | " | " | " | " | " | |
| ND | 0.33 | " | " | " | " | " | " | |
| | 0.33 | " | " | " | " | " | " | |
| ND | 0.33 | " | " | " | " | " | " | |
| ND | 0.33 | " | " | " | " | " | " | |
| ND | 0.33 | " | " | " | " | " | " | |
| ND | 0.33 | " | " | " | " | " | " | |
| ND | 0.33 | " | " | " | " | " | " | |
| ND | 0.33 | " | " | " | " | " | " | |
| ND | 0.33 | " | " | " | " | " | " | |
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| ND | 0.33 | " | " | " | " | " | " | |
| ND | 0.33 | " | " | " | " | " | " | |
| ND | 0.33 | " | " | " | " | " | " | |
| ND | 0.33 | " | " | " | " | " | " | |
| ND | 0.33 | " | " | " | " | " | " | |
| ND | 0.33 | " | " | " | " | " | " | |
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| ND | 0.33 | " | " | " | " | " | " | |
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| ND | 0.33 | " | " | " | " | " | " | |
| ND | 0.33 | " | " | " | " | " | " | |
| ND | 0.33 | " | " | " | " | " | " | |
| ND | 0.33 | " | " | " | " | " | " | |
| ND | | " | " | " | " | " | " | |
| | | " | " | " | " | " | " | |
| | ND N | ND 0.33 | 79.2 % 24-1. 51.9 % 23-1. 61.3 % 30-1. 53.7 % 19-1. 90.2 % 18-1. ND 0.33 " | 79.2 % 24-113 51.9 % 23-120 61.3 % 30-115 53.7 % 19-122 90.2 % 18-137 ND 0.33 " " ND 0.33 | 79.2 % 24-113 " 51.9 % 23-120 " 61.3 % 30-115 " 53.7 % 19-122 " 90.2 % 18-137 " ND 0.33 " " " " | 79.2 % 24-113 " " 51.9 % 23-120 " " 61.3 % 30-115 " " 53.7 % 19-122 " " 90.2 % 18-137 " " ND 0.33 " " " " " " " " ND 0.33 " " " " " " " ND 0.33 " " " " " " " ND 0.33 " " " " " " " ND 0.33 " " " " " " " ND 0.33 " " " " " " " ND 0.33 " " " " " " " ND 0.33 " " " " " " " ND 0.33 " " " " " " " ND 0.33 " " " " " " " ND 0.33 " " " " " " " ND 0.33 " " " " " " " ND 0.33 " " " " " " " " ND 0.33 " " " " " " " " ND 0.33 " " " " " " " " ND 0.33 " " " " " " " " ND 0.33 " " " " " " " " " ND 0.33 " " " " " " " " " " ND 0.33 " " " " " " " " " " ND 0.33 " " " " " " " " " " " ND 0.33 " " " " " " " " " " " " " " " " " " | 79.2 % 24-113 " " " " " 151.9 % 23-120 " " " " " " 151.9 % 30-115 " " " " " " 19-122 " " " " " " 19.2 2 " " " " " " " 19.2 2 " " " " " " " 19.2 2 " " " " " " " " " 19.2 2 " " " " " " " " " 19.2 2 " " " " " " " " " " " " " " " " " " | 79.2 % 24-113 " <td< td=""></td<> |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV8-10 (2107188-08) Soil | Sampled: 07/13/21 08:58 | Received | : 07/13/21 17:0 | 07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | ,, | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | ,, | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | ,, | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV8-15 (2107188-09) Soil Sampled: 07/13/21 09:00 | 6 Received | : 07/13/21 17:0 | 17 | | | | | | |
| Surrogate: 2-Fluorophenol | | 95.7 % | | 121 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 28.9 % | | 113 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 85.6 % | | 120 | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 105 % | | 115 | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 50.9 % | | 122 | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 122 % | | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV8-15 (2107188-09) Soil | Sampled: 07/13/21 09:06 | Received | : 07/13/21 17:0 | 07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | ,, | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | ,, | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | ,, | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV9-5 (2107188-10) Soil Sampled: 07/13/21 09:19 | Received: | 07/13/21 17:07 | | | | | | | |
| Surrogate: 2-Fluorophenol | | 99.3 % | 25- | | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 77.7 % | 24- | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 52.5 % | 23 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 45.8 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 59.7 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 99.6 % | 18- | | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV9-5 (2107188-10) Soil | Sampled: 07/13/21 09:19 | Received: | 07/13/21 17:0 | 7 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV9-10 (2107188-11) Soil Sampled: 07/13/21 09:22 | Received | : 07/13/21 17:0 | 7 | - | | - | _ | _ | |
| Surrogate: 2-Fluorophenol | | 90.1 % | 25- | | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 56.8 % | 24- | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 44.2 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 38.5 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 42.3 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 95.3 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV9-10 (2107188-11) Soil | Sampled: 07/13/21 09:22 | Received: | 07/13/21 17:0 | 07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV9-15 (2107188-12) Soil Sampled: 07/13/21 09:2 | 4 Received | 1: 07/13/21 17:0 |)7 | | | | | | |
| Surrogate: 2-Fluorophenol | | 95.9 % | | 121 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 47.9 % | | 113 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 80.5 % | | 120 | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 64.1 % | | 115 | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 49.9 % | | 122 | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 71.1 % | | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV9-15 (2107188-12) Soil | Sampled: 07/13/21 09:24 | Received | : 07/13/21 17:0 | 07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | ,, | ,, | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV10-5 (2107188-13) Soil Sampled: 07/13/21 09:32 | Received | : 07/13/21 17:0 | 07 | | | | | | |
| Surrogate: 2-Fluorophenol | | 103 % | 25- | | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 71.9 % | 24- | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 73.2 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 50.0 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 83.4 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 44.3 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV10-5 (2107188-13) Soil | Sampled: 07/13/21 09:32 | Received | : 07/13/21 17:0 | 07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | ,, | ,, | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV10-10 (2107188-14) Soil Sampled: 07/13/21 09 | 36 Receive | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: 2-Fluorophenol | | 103 % | 25- | | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 65.1 % | 24- | 113 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 51.5 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 83.2 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 57.1 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 87.8 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV10-10 (2107188-14) Soil | Sampled: 07/13/21 09:36 | Received | d: 07/13/21 17 | :07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Surrogate: 2-Fluorophenol 101 % 25-121 | 07/16/21 08:50 | EPA 8270C " " " " " " " | |
|--|---|---|--|
| Surrogate: Phenol-d6 32.2 % 24-113 " " Surrogate: Nitrobenzene-d5 48.3 % 23-120 " " Surrogate: 2-Fluorobiphenyl 76.0 % 30-115 " " Surrogate: 2-Fluorobiphenyl 82.8 % 19-122 " " Surrogate: Terphenyl-d14 ND 0.33 " " " Acenaphthylene ND 0.33 " " " " Acthracene ND 0.33 " " " " Benzol (a) anthracene ND 0.33 " | " " " " " " " | " " " " " " " " | |
| Surrogate: Nitrobenzene-d5 48.3 % 23-120 " " Surrogate: 2-Fluorobiphenyl 76.0 % 30-115 " " Surrogate: 2-fluorobiphenyl 82.8 % 19-122 " " Surrogate: Terphenyl-d14 58.0 % 18-137 " " Acenaphthene ND 0.33 " " " Acenaphthylene ND 0.33 " " " Anthracene ND 0.33 " " " Benzidine ND 0.33 " " " Benzo (a) anthracene ND 0.33 " " " Benzo (b) fluoranthene ND 0.33 " " " Benzo (c) (s), i) perylene ND <td>"" "" "" "" "" "" "" "" "" "" "" "" ""</td> <td>" " " " " "</td> <td></td> | "" "" "" "" "" "" "" "" "" "" "" "" "" | " " " " " " | |
| Surrogate: 2-Fluorobiphenyl 76.0 % 30-115 " " Surrogate: 2,4,6-Tribromophenol 82.8 % 19-122 " " Surrogate: Terphenyl-d14 58.0 % 18-137 " " Acenaphthene ND 0.33 " " " " Acenaphthylene ND 0.33 " | " " " " " " | " " " " | |
| Surrogate: 2,4,6-Tribromophenol 82.8 % 19-122 " " Surrogate: Terphenyl-d14 58.0 % 18-137 " " Acenaphthene ND 0.33 " " " Acenaphthylene ND 0.33 " " " Anthracene ND 0.33 " " " Benzidine ND 0.33 " " " Benzidine ND 0.33 " " " Benzo (a) anthracene ND 0.33 " " " Benzo (b) fluoranthene ND 0.33 " " " Benzo (b) fluoranthene ND 0.33 " " " Benzo (k) fluoranthene ND 0.33 " " " Benzo (a) pyrene ND 0.33 " " " Benzo (a) pyrene ND 0.33 " " " Benzo (a) pyrene ND | " | " | |
| Surrogate: Terphenyl-d14 58.0 % 18-137 " " Acenaphthene ND 0.33 " " " " Acenaphthylene ND 0.33 " " " " Anthracene ND 0.33 " " " " Benzidine ND 0.33 " " " " " Benzidine ND 0.33 " " " " " " " " | " | " | |
| Acenaphthene ND 0.33 " | " " | " | |
| Acenaphthylene Acenaphthylene ND | " | " | |
| Anthracene ND 0.33 " | " | | |
| Benzidine ND 0.33 " < | | " | |
| Benzo (a) anthracene ND 0.33 " <td>"</td> <td></td> <td></td> | " | | |
| Benzo (b) fluoranthene ND 0.33 " </td <td></td> <td>"</td> <td></td> | | " | |
| Benzo (k) fluoranthene ND 0.33 " </td <td>"</td> <td>"</td> <td></td> | " | " | |
| Benzo (a) pyrene ND 0.33 " " " " Benzo (g,h,i) perylene ND 0.33 " " " " " Benzyl alcohol ND 0.33 " " " " " Benzyl alcohol ND 0.33 " " " " " " Bis(2-chloroethyl)ether ND 0.33 " " " " " Bis(2-chloroethoxy)methane ND 0.33 " " " " " Bis(2-chloroisopropyl)ether ND 0.33 " " " " " " Bis(2-chloroisopropyl)ether ND 0.33 " " " " " " Butyl benzyl phthalate ND 0.33 " " " " " Butyl benzyl phthalate ND 0.33 " " " " " " 2-Chlorophenol ND 0.33 " " " " " " " " " | " | " | |
| Benzo (g,h,i) perylene ND 0.33 " </td <td>"</td> <td>"</td> <td></td> | " | " | |
| Benzyl alcohol ND 0.33 " " " " " Bis(2-chloroethyl)ether ND 0.33 " " " " " Bis(2-chloroethoxy)methane ND 0.33 " " " " " Bis(2-chloroethoxy)methane ND 0.33 " " " " " Bis(2-chloroisopropyl)ether ND 0.33 " " " " " " " 4-Bromophenyl phenyl ether ND 0.33 " " " " " Butyl benzyl phthalate ND 0.33 " " " " " " 4-Chloroaniline ND 0.33 " " " " " " 2-Chlorophenol ND 0.33 " " " " " " " " " | " | " | |
| Bis(2-chloroethyl)ether ND 0.33 "< | " | " | |
| Bis(2-chloroethoxy)methane ND 0.33 " <th< td=""><td>"</td><td>"</td><td></td></th<> | " | " | |
| Bis(2-ethylhexyl)phthalate ND 0.33 " <th< td=""><td>"</td><td>"</td><td></td></th<> | " | " | |
| Bis(2-chloroisopropyl)ether ND 0.33 " <t< td=""><td>"</td><td>"</td><td></td></t<> | " | " | |
| 4-Bromophenyl phenyl ether ND 0.33 " " " " Butyl benzyl phthalate ND 0.33 " " " " 4-Chloroaniline ND 0.33 " " " " 2-Chlorophenol ND 0.33 " " " " | " | " | |
| 4-Bromophenyl phenyl ether ND 0.33 " < | " | " | |
| Butyl benzyl phthalate ND 0.33 " </td <td>"</td> <td>"</td> <td></td> | " | " | |
| 4-Chloroaniline ND 0.33 " | " | " | |
| 1 | " | " | |
| * | " | " | |
| 4-Chloro-3-methylphenol ND 0.33 " " " " | " | " | |
| 2-Chloronaphthalene ND 0.33 " " " " | " | " | |
| 4-Chlorophenyl phenyl ether ND 0.33 " " " " | " | " | |
| Chrysene ND 0.33 " " " " | " | " | |
| Dibenz (a,h) anthracene ND 0.33 " " " | " | " | |
| Dibenzofuran ND 0.33 " " " | " | " | |
| 1,3-Dichlorobenzene ND 0.33 " " " " | " | " | |
| 1,2-Dichlorobenzene ND 0.33 " " " " | " | " | |
| 1,4-Dichlorobenzene ND 0.33 " " " " | " | " | |
| 3,3'-Dichlorobenzidine ND 0.33 " " " " | " | " | |
| 2,4-Dichlorophenol ND 0.33 " " " " | " | " | |
| Diethyl phthalate ND 0.33 " " " " | " | " | |
| 2,4-Dimethylphenol ND 0.33 " " " " | " | " | |
| Dimethyl phthalate ND 0.33 " " " " | " | " | |
| Di-n-butyl phthalate ND 0.33 " " " | " | " | |
| 2,4-Dinitrophenol ND 0.33 " " " | " | " | |
| | ,, | " | |
| 4,6-Dinitro-2-methylphenol ND 0.33 " " " " | | | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | 1 | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV10-15 (2107188-15) Soil | Sampled: 07/13/21 09:52 | Received: | 07/13/21 17 | :07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | ,, | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | ,, | ,, | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV11-5 (2107188-16) Soil Sampled: 07/13/21 10:16 | Received | : 07/13/21 17:0 | 7 | | | | | | |
| Surrogate: 2-Fluorophenol | | 104 % | 25- | | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 77.2 % | 24- | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 54.4 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 48.9 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 73.3 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 102 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV11-5 (2107188-16) Soil | Sampled: 07/13/21 10:16 | Received | 07/13/21 17:0 | 07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| | | | | | | pmv4 | , 200 | | 1.00 |
| SV11-10 (2107188-17) Soil Sampled: 07/13/21 10:2 | o Keceived | | | | | | | | |
| Surrogate: 2-Fluorophenol | | 93.7 % | 25-1 | | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 77.7 % | 24-1 | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 52.6 % | 23-1 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 80.9 % | 30-1 | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 45.2 % | 19-1 | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 52.4 % | 18-1 | | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV11-10 (2107188-17) Soil | Sampled: 07/13/21 10:20 | Received | d: 07/13/21 17 | :07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units D | ilution | Batch | Prepared | Analyzed | Method | Notes |
|---|----------------|--------------------|---------|---------|---------|----------|----------------|-----------|--------|
| SV11-15 (2107188-18) Soil Sampled: 07/13/21 | | | | | 20001 | Tropulou | | 1,100100 | 1.0003 |
| | 10:20 Received | | | | | | | | |
| Surrogate: 2-Fluorophenol | | 95.9 % | 25-121 | | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 25.9 % | 24-113 | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 59.6 % | 23-120 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 86.7 % | 30-115 | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 39.3 % | 19-122 | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 56.2 % | 18-137 | | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| • • • | | | | | | | | | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV11-15 (2107188-18) Soil | Sampled: 07/13/21 10:26 | Received | 07/13/21 17 | :07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|------------|--------------------|--------|----------|---------|----------|----------------|-----------|-------|
| SV12-5 (2107188-19) Soil Sampled: 07/13/21 10:4 | 9 Received | l: 07/13/21 17:0 | 07 | | | | | | |
| Surrogate: 2-Fluorophenol | | 93.4 % | 25-121 | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 68.0 % | 24-113 | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 36.9 % | 23-120 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 66.9 % | 30-115 | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 42.3 % | 19-122 | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 72.7 % | 18-137 | , | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Re | | orting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|---------------------------|-----------------|-----------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV12-5 (2107188-19) Soil | Sampled: 07/13/21 10:49 R | eceived: 07/13/ | 21 17:0 |)7 | | | | | | |
| 2,4-Dinitrotoluene | 1 | ND 0 | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | 1 | ND 0 | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | 1 | ND 0 | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | 1 | ND 0 | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | 1 | ND 0 | 0.33 | " | " | " | " | " | " | |
| Fluorene | 1 | ND 0 | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | 1 | ND 0 | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | 1 | ND 0 | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | 1 | ND 0 | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | 1 | ND 0 | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | 1 | ND 0 | 0.33 | " | " | " | " | " | " | |
| Isophorone | 1 | ND 0 | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | 1 | ND 0 | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | 1 | ND 0 | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | 1 | ND 0 | 0.33 | " | " | " | " | " | " | |
| Naphthalene | 1 | ND 0 | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | 1 | ND 0 | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | 1 | ND 0 | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | 1 | ND 0 | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | 1 | ND (| 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | 1 | ND (| 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | 1 | | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | 1 | | 0.33 | " | " | " | | " | " | |
| N-Nitrosodi-n-propylamine | 1 | | 0.33 | " | " | " | | " | " | |
| Pentachlorophenol | | | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | | 0.33 | " | " | " | ,, | " | " | |
| Phenol | | |).33 | " | " | " | ,, | " | " | |
| Pyrene | | |).33 | " | " | " | ,, | " | " | |
| 1,2,4-Trichlorobenzene | | |).33 | " | " | " | ,, | " | " | |
| 2,4,5-Trichlorophenol | | |).33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | | 0.33 | " | " | " | ,, | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|--------------|--------------------|-------|----------|----------|----------|----------------|-----------|------|
| SV12-10 (2107188-20) Soil Sampled: 07/13/21 1 | 0:58 Receive | d: 07/13/21 17 | :07 | | <u> </u> | | | | |
| Surrogate: 2-Fluorophenol | | 78.5 % | 25-1 | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 31.5 % | 24-1 | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 42.5 % | 23-1 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 106 % | 30-1 | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 80.9 % | 19-1 | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 49.7 % | 18-1 | 37 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

$Semivolatile\ Organic\ Compounds\ by\ EPA\ Method\ 8270C$

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------------|----------|---------|----------|----------------|-----------|-------|
| SV12-10 (2107188-20) Soil | Sampled: 07/13/21 10:58 | Received: | 07/13/21 17 | ':07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | ,, | " | " | " | ,, | ,, | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|-------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV12-15 (2107188-21) Soil Sampled: 07/13/21 11:0 | 07 Received | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: 2-Fluorophenol | | 89.4 % | | 121 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 26.1 % | | 113 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 35.1 % | | 120 | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 77.8 % | | 115 | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 27.8 % | | 122 | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 114 % | | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | 1 | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV12-15 (2107188-21) Soil | Sampled: 07/13/21 11:07 | Received | 1: 07/13/21 17 | :07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | ,, | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | ,, | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV13-5 (2107188-22) Soil Sampled: 07/13/21 11:26 | Received: | : 07/13/21 17:0 | 7 | | | | | | |
| Surrogate: 2-Fluorophenol | | 101 % | 25- | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 67.4 % | 24- | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 50.5 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 89.7 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 52.0 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 68.6 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV13-5 (2107188-22) Soil | Sampled: 07/13/21 11:26 | Received: | 07/13/21 17:0 |)7 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV13-10 (2107188-23) Soil Sampled: 07/13/21 11: | 31 Receive | ed: 07/13/21 17 | :07 | | | | | | |
| Surrogate: 2-Fluorophenol | | 95.9 % | 25- | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 27.2 % | 24 | 113 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 44.5 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 80.3 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 44.4 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 110 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | ,, | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | ,, | " | " | " | " | |
| * | ND | 0.33 | ,, | ,, | ,, | ,, | ,, | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.55 | | | | | | | |
| | | | | | | | | | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV13-10 (2107188-23) Soil | Sampled: 07/13/21 11:31 | Received | 1: 07/13/21 17 | :07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|------------|--------------------|-------|----------|----------|----------|----------------|-----------|------|
| SV13-15 (2107188-24) Soil Sampled: 07/13/21 11: | 38 Receive | d: 07/13/21 17 | :07 | | <u> </u> | | | | |
| Surrogate: 2-Fluorophenol | | 92.9 % | 25- | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 35.1 % | 24- | 113 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 36.8 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 50.0 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 42.9 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 136 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV13-15 (2107188-24) Soil | Sampled: 07/13/21 11:38 | Received | : 07/13/21 17 | :07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | ,, | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV14-5 (2107188-25) Soil Sampled: 07/13/21 12:49 | Received | : 07/13/21 17:0 | 07 | | | | | | |
| Surrogate: 2-Fluorophenol | | 95.9 % | 25- | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 57.3 % | 24- | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 41.2 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 74.1 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 34.0 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 88.9 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV14-5 (2107188-25) Soil | Sampled: 07/13/21 12:49 | Received | : 07/13/21 17:0 | 07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | ,, | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | ,, | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | ,, | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|--------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV14-10 (2107188-26) Soil Sampled: 07/13/21 12 | 2:54 Receive | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: 2-Fluorophenol | | 104 % | 25-1 | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 50.1 % | 24-1 | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 59.2 % | 23-1 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 90.4 % | 30-1 | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 42.9 % | 19-1 | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 60.8 % | 18-1 | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV14-10 (2107188-26) Soil | Sampled: 07/13/21 12:54 | Received | 1: 07/13/21 17 | :07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | ,, | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units D | ilution | Batch | Dramanad | Anglygad | Method | Not |
|--|------------|--------------------|-------------|------------|---------|----------|----------------|-----------|-------|
| Analyte | | | | , iidiloli | Datcii | Prepared | Analyzed | iviculou | Notes |
| SV14-15 (2107188-27) Soil Sampled: 07/13/21 13:0 | 1 Received | : 07/13/21 17: | | | | | | | |
| Surrogate: 2-Fluorophenol | | 105 % | 25-121 | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 86.3 % | 24-113 | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 55.4 % | 23-120 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 89.5 % | 30-115 | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 50.5 % | 19-122 | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 105 % | 18-137 | | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | 1 | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV14-15 (2107188-27) Soil | Sampled: 07/13/21 13:01 | Received | l: 07/13/21 17 | :07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | ,, | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV15-5 (2107188-28) Soil Sampled: 07/13/21 13:1 | 9 Received | l: 07/13/21 17:0 |)7 | | | | | | |
| Surrogate: 2-Fluorophenol | | 96.8 % | 25-12 | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 64.7 % | 24-11 | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 87.3 % | 23-12 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 87.0 % | 30-11 | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 55.8 % | 19-12 | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 131 % | 18-13 | 7 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV15-5 (2107188-28) Soil | Sampled: 07/13/21 13:19 | Received | : 07/13/21 17: | 07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV15-10 (2107188-29) Soil Sampled: 07/13/21 | 13:23 Receive | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: 2-Fluorophenol | | 102 % | 25-1 | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 90.7 % | 24-1 | 13 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 41.6 % | 23-1 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 45.2 % | 30-1 | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 46.7 % | 19-1 | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 66.1 % | 18-1 | 37 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV15-10 (2107188-29) Soil | Sampled: 07/13/21 13:23 | Received | : 07/13/21 17 | :07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | ,, | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | ,, | ,, | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units Dilut | ion Batch | Prepared | Analyzed | Method | Notes |
|--|-------------|--------------------|-------------|-----------|----------|----------------|-----------|-------|
| SV15-15 (2107188-30) Soil Sampled: 07/13/21 13 | :27 Receive | d: 07/13/21 17 | :07 | | | | | |
| Surrogate: 2-Fluorophenol | | 99.9 % | 25-121 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 77.6 % | 24-113 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 32.5 % | 23-120 | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 40.6 % | 30-115 | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 47.3 % | 19-122 | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 132 % | 18-137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " " | " | " | " | " | |
| Anthracene | ND | 0.33 | " " | " | " | " | " | |
| Benzidine | ND | 0.33 | " " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " " | " | " | " | " | |
| Chrysene | ND | 0.33 | " " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV15-15 (2107188-30) Soil | Sampled: 07/13/21 13:27 | Received | 07/13/21 17 | :07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV16-5 (2107188-31) Soil Sampled: 07/13/21 13:54 | Received | : 07/13/21 17:0 | 17 | | | | | | |
| Surrogate: 2-Fluorophenol | | 94.6 % | 25- | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 62.9 % | 24 | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 50.3 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 50.6 % | 30 | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 65.8 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 115 % | 18- | | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | ,, | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | ,, | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV16-5 (2107188-31) Soil | Sampled: 07/13/21 13:54 | Received | : 07/13/21 17:0 | 07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|-------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV16-10 (2107188-32) Soil Sampled: 07/13/21 13 | :57 Receive | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: 2-Fluorophenol | | 76.5 % | 25- | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 52.7 % | 24- | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 50.1 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 60.6 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 70.6 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 101 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV16-10 (2107188-32) Soil | Sampled: 07/13/21 13:57 | Received: | 07/13/21 17 | :07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | ,, | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyta | Result | Reporting Limit | Units | Dilution | Batch | Dranared | Anglyzad | Method | Notes |
|--|------------|--------------------|--------|----------|---------|----------|----------------|-----------|-------|
| Analyte | | | | Dilution | Бакп | Prepared | Analyzed | ivicuiod | Notes |
| SV16-15 (2107188-33) Soil Sampled: 07/13/21 14:0 | 0 Received | 1: 07/13/21 17: | 07 | | | | | | |
| Surrogate: 2-Fluorophenol | | 104 % | 25-121 | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 65.4 % | 24-113 | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 58.6 % | 23-120 |) | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 50.7 % | 30-115 | 5 | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 32.6 % | 19-122 | 2 | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 43.7 % | 18-137 | 7 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

$Semivolatile\ Organic\ Compounds\ by\ EPA\ Method\ 8270C$

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV16-15 (2107188-33) Soil | Sampled: 07/13/21 14:00 | Received | d: 07/13/21 17 | :07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | ,, | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV17-5 (2107188-34) Soil Sampled: 07/13/21 14:44 | Received | : 07/13/21 17:0 | 17 | | | | | | |
| Surrogate: 2-Fluorophenol | | 99.3 % | 25- | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 65.9 % | 24- | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 65.8 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 56.3 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 75.3 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 110 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | ,, | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV17-5 (2107188-34) Soil | Sampled: 07/13/21 14:44 | Received | : 07/13/21 17:0 | 07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | ,, | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|------------|--------------------|--------|----------|---------|-----------|----------------|-----------|--------|
| | | | | UII | Dutell | . repareu | , 200 | eurod | 140105 |
| SV17-10 (2107188-35) Soil Sampled: 07/13/21 14:4 | ю Keceived | ı: v//13/21 17: | U/ | | | | | | |
| Surrogate: 2-Fluorophenol | | 98.1 % | 25-12 | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 55.7 % | 24-11. | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 46.4 % | 23-12 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 45.0 % | 30-11. | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 86.1 % | 19-12. | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 99.1 % | 18-13 | | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV17-10 (2107188-35) Soil | Sampled: 07/13/21 14:48 | Received | : 07/13/21 17 | :07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV17-15 (2107188-36) Soil Sampled: 07/13/21 14: | 53 Receive | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: 2-Fluorophenol | | 102 % | 25- | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 31.3 % | 24- | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 51.3 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 41.5 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 61.9 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 92.1 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV17-15 (2107188-36) Soil | Sampled: 07/13/21 14:53 | Received: | 07/13/21 17 | :07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units 1 | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|------------|--------------------|---------|----------|---------|----------|----------------|-----------|-------|
| SV18-5 (2107188-37) Soil Sampled: 07/13/21 15:1 | 9 Received | l: 07/13/21 17:0 |)7 | | | | | | |
| Surrogate: 2-Fluorophenol | | 98.7 % | 25-121 | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 24.4 % | 24-113 | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 63.4 % | 23-120 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 60.5 % | 30-115 | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 67.6 % | 19-122 | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 66.6 % | 18-137 | | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV18-5 (2107188-37) Soil | Sampled: 07/13/21 15:19 | Received | : 07/13/21 17:0 | 07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | ,, | " | |



Mearns Consulting LLC
Project: Town Center Northwest
738 Ashland Avenue
Project Number: [none]

738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| | D 1 | Reporting | TT '- | Dil di | D. I | n i | | Mala | N 7 : |
|---|---------------|-----------------|--------|----------|---------|----------|----------------|-----------|--------------|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| SV18-10 (2107188-38) Soil Sampled: 07/13/21 | 15:25 Receive | d: 07/13/21 17: | 07 | | | | | | |
| Surrogate: 2-Fluorophenol | | 115 % | 25-121 | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 76.7 % | 24-113 | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 56.5 % | 23-120 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 77.9 % | 30-115 | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 102 % | 19-122 | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 64.9 % | 18-137 | 7 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | 0.82 | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | 0.92 | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|---------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV18-10 (2107188-38) Soil | Sampled: 07/13/21 15:25 | Receive | ed: 07/13/21 17 | :07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | 2.2 | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | 0.44 | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | 0.77 | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV18-15 (2107188-39) Soil Sampled: 07/13/21 15:2 | 9 Received | l: 07/13/21 17 | :07 | | | | | | |
| Surrogate: 2-Fluorophenol | | 81.6 % | 25- | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 52.1 % | 24- | 113 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 33.1 % | 23- | 120 | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 40.9 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 58.5 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 129 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------------|----------|---------|----------|----------------|-----------|-------|
| SV18-15 (2107188-39) Soil | Sampled: 07/13/21 15:29 | Received | : 07/13/21 17 | ':07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | ,, | " | ,, | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV19-5 (2107188-40) Soil Sampled: 07/13/21 15:49 | Received: | 07/13/21 17:0 | 17 | | | | | | |
| Surrogate: 2-Fluorophenol | | 57.3 % | 25- | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 100 % | 24 | 113 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 78.4 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 53.3 % | 30 | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 60.7 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 90.7 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | 2.1 | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | 0.40 | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

$Semivolatile\ Organic\ Compounds\ by\ EPA\ Method\ 8270C$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV19-5 (2107188-40) Soil Sampled: 07/13/21 1 | 5:49 Received: | 07/13/21 17: | 07 | | | | | | |
| 2,4-Dinitrotoluene | 1.1 | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | 1.2 | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | 1.1 | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | 12 | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | 5.2 | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | 0.85 | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | ND | 0.33 | " | " | ,, | ,, | " | " | |
| 2-Nitrophenol | ND | 0.33 | " | " | ,, | " | " | " | |
| 4-Nitrophenol | ND | 0.33 | " | " | ,, | " | " | " | |
| N-Nitrosodimethylamine | ND | 0.33 | " | " | ,, | ,, | " | " | |
| Diphenylamine | ND | 0.33 | " | " | ,, | ,, | " | " | |
| N-Nitrosodi-n-propylamine | 0.91 | 0.33 | " | " | ,, | ,, | " | " | |
| Pentachlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | 2.0 | 0.33 | " | " | " | " | " | " | |
| Phenol | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | 0.87 | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | ND | 0.33 | " | " | ,, | ,, | " | " | |
| 2,4,6-Trichlorophenol | ND | 0.33 | ,, | ,, | ,, | ,, | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV19-10 (2107188-41) Soil Sampled: 07/13/21 15 | 5:54 Receive | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: 2-Fluorophenol | | 109 % | 25-1 | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 83.5 % | 24-1 | 113 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 70.9 % | 23-1 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 84.0 % | 30-1 | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 94.5 % | 19-1 | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 117 % | 18-1 | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | 1 | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV19-10 (2107188-41) Soil | Sampled: 07/13/21 15:54 | Received | : 07/13/21 17 | :07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |



Mearns Consulting LLC
Project: Town Center Northwest
738 Ashland Avenue
Project Number: [none]

738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|---------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV19-15 (2107188-42) Soil Sampled: 07/13/21 | 15:59 Receive | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: 2-Fluorophenol | | 61.7 % | 25-1 | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 110 % | 24-1 | 13 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 87.4 % | 23-1 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 108 % | 30-1 | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 103 % | 19-1 | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 90.2 % | 18-1 | 37 | " | " | " | " | |
| Acenaphthene | 1.6 | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | 1.1 | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | 1.3 | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | 1.5 | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV19-15 (2107188-42) Soil | Sampled: 07/13/21 15:59 | Received | : 07/13/21 17 | :07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | 3.0 | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | 4.0 | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | 9.7 | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | 8.5 | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



Mearns Consulting LLCProject:Town Center Northwest738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

$Metals\ by\ EPA\ 6000/7000\ Series\ Methods\ -\ Quality\ Control$

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

| Batch B1G1411 - EPA 3050B | | | | | | | |
|---------------------------|------|-----|-------|-----------------|------------------|---------|--|
| Blank (B1G1411-BLK1) | | | | Prepared: 07/14 | /21 Analyzed: 07 | //19/21 | |
| Silver | ND | 2.0 | mg/kg | | | | |
| Cadmium | ND | 2.5 | " | | | | |
| Barium | ND | 6.0 | " | | | | |
| lickel | ND | 3.0 | " | | | | |
| ead | ND | 7.1 | " | | | | |
| anadium | ND | 5.1 | " | | | | |
| rsenic | ND | 5.5 | " | | | | |
| obalt | ND | 3.3 | " | | | | |
| hallium | ND | 17 | " | | | | |
| opper | ND | 5.0 | " | | | | |
| elenium | ND | 6.9 | " | | | | |
| olybdenum | ND | 5.2 | " | | | | |
| ntimony | ND | 8.0 | " | | | | |
| eryllium | ND | 2.2 | " | | | | |
| inc | ND | 7.0 | " | | | | |
| hromium | ND | 2.3 | " | | | | |
| CS (B1G1411-BS1) | | | | Prepared: 07/14 | /21 Analyzed: 07 | //19/21 | |
| lickel | 104 | 3.0 | mg/kg | 100 | 104 | 80-120 | |
| Iolybdenum | 103 | 5.2 | " | 100 | 103 | 80-120 | |
| rsenic | 98.8 | 5.5 | " | 100 | 98.8 | 78-122 | |
| eryllium | 97.9 | 2.2 | " | 100 | 97.9 | 80-120 | |
| hromium | 102 | 2.3 | " | 100 | 102 | 80-120 | |
| arium | 105 | 6.0 | " | 100 | 105 | 80-120 | |
| admium | 102 | 2.5 | " | 100 | 102 | 80-120 | |
| ilver | 98.5 | 2.0 | " | 100 | 98.5 | 60-140 | |
| anadium | 98.2 | 5.1 | " | 100 | 98.2 | 80-120 | |
| ntimony | 112 | 8.0 | " | 100 | 112 | 75-125 | |
| opper | 113 | 5.0 | " | 100 | 113 | 78-122 | |
| inc | 101 | 7.0 | " | 100 | 101 | 80-120 | |
| elenium | 97.3 | 6.9 | " | 100 | 97.3 | 76-124 | |
| ead | 99.3 | 7.1 | " | 100 | 99.3 | 80-120 | |
| obalt | 107 | 3.3 | " | 100 | 107 | 80-120 | |
| hallium | 104 | 17 | " | 100 | 104 | 80-120 | |



Analyte

Mearns Consulting LLC Project: Town Center Northwest

Result

738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Units

Spike

Level

Source

Result

%REC

Limits

RPD

%REC

Reporting

Limit

| LCS Dup (B1G1411-BSD1) | | | | Prepared: 0 | 07/14/21 A1 | nalyzed: 07 | 7/19/21 | | |
|----------------------------|--------|------------|-------|-------------|-------------|-------------|---------|--------|----|
| Zinc | 100 | 7.0 | mg/kg | 100 | | 100 | 80-120 | 0.670 | 20 |
| Chromium | 101 | 2.3 | " | 100 | | 101 | 80-120 | 1.01 | 20 |
| Selenium | 95.4 | 6.9 | " | 100 | | 95.4 | 76-124 | 1.97 | 20 |
| <u> Phallium</u> | 103 | 17 | " | 100 | | 103 | 80-120 | 0.897 | 20 |
| <i>V</i> anadium | 96.9 | 5.1 | " | 100 | | 96.9 | 80-120 | 1.33 | 20 |
| Cobalt | 106 | 3.3 | " | 100 | | 106 | 80-120 | 0.962 | 20 |
| Lead | 98.2 | 7.1 | " | 100 | | 98.2 | 80-120 | 1.11 | 20 |
| Silver | 93.1 | 2.0 | " | 100 | | 93.1 | 60-140 | 5.64 | 40 |
| Antimony | 109 | 8.0 | " | 100 | | 109 | 75-125 | 2.95 | 20 |
| Arsenic | 96.4 | 5.5 | " | 100 | | 96.4 | 78-122 | 2.56 | 20 |
| Molybdenum | 100 | 5.2 | " | 100 | | 100 | 80-120 | 2.66 | 20 |
| Copper | 110 | 5.0 | " | 100 | | 110 | 78-122 | 2.58 | 20 |
| 3arium | 104 | 6.0 | " | 100 | | 104 | 80-120 | 0.887 | 20 |
| Nickel | 104 | 3.0 | " | 100 | | 104 | 80-120 | 0.817 | 20 |
| Cadmium | 101 | 2.5 | " | 100 | | 101 | 80-120 | 1.06 | 20 |
| Beryllium | 98.0 | 2.2 | " | 100 | | 98.0 | 80-120 | 0.0255 | 20 |
| Matrix Spike (B1G1411-MS1) | Source | : 2107188- | 01 | Prepared: 0 |)7/14/21 Aı | nalyzed: 07 | 7/19/21 | | |
| Selenium | 96.5 | 6.9 | mg/kg | 98.8 | ND | 97.7 | 70-130 | | |
| Molybdenum | 98.2 | 5.2 | " | 98.8 | 0.661 | 98.8 | 70-130 | | |

| Selenium | 96.5 | 6.9 | mg/kg | 98.8 | ND | 97.7 | 70-130 | |
|------------|------|-----|-------|------|-------|------|--------|-----|
| Molybdenum | 98.2 | 5.2 | " | 98.8 | 0.661 | 98.8 | 70-130 | |
| Cobalt | 107 | 3.3 | " | 98.8 | 7.64 | 101 | 70-130 | |
| Thallium | 98.5 | 17 | " | 98.8 | ND | 99.7 | 70-130 | |
| Lead | 101 | 7.1 | " | 98.8 | 4.55 | 97.8 | 70-130 | |
| Silver | 108 | 2.0 | " | 98.8 | 0.220 | 109 | 60-140 | |
| Barium | 238 | 6.0 | " | 98.8 | 82.6 | 158 | 70-130 | QM- |
| Beryllium | 94.0 | 2.2 | " | 98.8 | ND | 95.1 | 70-130 | |
| Nickel | 106 | 3.0 | " | 98.8 | 8.55 | 98.6 | 70-130 | |
| Vanadium | 118 | 5.1 | " | 98.8 | 24.0 | 94.8 | 70-130 | |
| Arsenic | 98.8 | 5.5 | " | 98.8 | ND | 100 | 70-130 | |
| Zine | 143 | 7.0 | " | 98.8 | 28.5 | 116 | 70-130 | |
| Copper | 115 | 5.0 | " | 98.8 | 13.6 | 103 | 70-130 | |
| Chromium | 110 | 2.3 | " | 98.8 | 13.7 | 97.2 | 70-130 | |
| Cadmium | 98.0 | 2.5 | " | 98.8 | ND | 99.2 | 70-130 | |
| Antimony | 91.6 | 8.0 | " | 98.8 | ND | 92.7 | 60-140 | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

RPD

Limit

Notes



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

| Ratch | B1G1411 | - EPA | 3050R |
|-------|---------|-------|-------|
| | | | |

| Matrix Spike Dup (B1G1411-MSD1) | Source | : 2107188-0 | 01 | Prepared: (| 07/14/21 At | nalyzed: 07 | 7/19/21 | | | |
|---------------------------------|--------|-------------|-------|-------------|-------------|-------------|---------|-------|----|-------|
| Antimony | 92.1 | 8.0 | mg/kg | 98.4 | ND | 93.6 | 60-140 | 0.599 | 20 | |
| Cobalt | 108 | 3.3 | " | 98.4 | 7.64 | 102 | 70-130 | 0.817 | 20 | |
| Arsenic | 99.3 | 5.5 | " | 98.4 | ND | 101 | 70-130 | 0.452 | 20 | |
| Silver | 109 | 2.0 | " | 98.4 | 0.220 | 110 | 60-140 | 0.790 | 40 | |
| Beryllium | 94.4 | 2.2 | " | 98.4 | ND | 95.9 | 70-130 | 0.469 | 20 | |
| Chromium | 110 | 2.3 | " | 98.4 | 13.7 | 97.9 | 70-130 | 0.279 | 20 | |
| Molybdenum | 93.1 | 5.2 | " | 98.4 | 0.661 | 93.9 | 70-130 | 5.42 | 20 | |
| Thallium | 98.8 | 17 | " | 98.4 | ND | 100 | 70-130 | 0.255 | 20 | |
| Selenium | 96.6 | 6.9 | " | 98.4 | ND | 98.2 | 70-130 | 0.116 | 20 | |
| Cadmium | 98.8 | 2.5 | " | 98.4 | ND | 100 | 70-130 | 0.758 | 20 | |
| Vanadium | 118 | 5.1 | " | 98.4 | 24.0 | 95.5 | 70-130 | 0.296 | 20 | |
| Zinc | 127 | 7.0 | " | 98.4 | 28.5 | 99.9 | 70-130 | 12.1 | 20 | |
| Lead | 102 | 7.1 | " | 98.4 | 4.55 | 98.7 | 70-130 | 0.480 | 30 | |
| Nickel | 106 | 3.0 | " | 98.4 | 8.55 | 99.2 | 70-130 | 0.187 | 20 | |
| Copper | 116 | 5.0 | " | 98.4 | 13.6 | 104 | 70-130 | 0.758 | 30 | |
| Barium | 240 | 6.0 | " | 98.4 | 82.6 | 160 | 70-130 | 0.493 | 20 | QM-07 |

Batch B1G1412 - EPA 3050B

| Blank (B1G1412-BLK1) | | | | Prepared: 07/14/21 Analyzed: 07/19/21 |
|----------------------|----|-----|-------|---------------------------------------|
| Zinc | ND | 7.0 | mg/kg | |
| Thallium | ND | 17 | " | |
| Selenium | ND | 6.9 | " | |
| Lead | ND | 7.1 | " | |
| Copper | ND | 5.0 | " | |
| Antimony | ND | 8.0 | " | |
| Nickel | ND | 3.0 | " | |
| Molybdenum | ND | 5.2 | " | |
| Barium | ND | 6.0 | " | |
| Chromium | ND | 2.3 | " | |
| Arsenic | ND | 5.5 | " | |
| Vanadium | ND | 5.1 | " | |
| Cobalt | ND | 3.3 | " | |
| Silver | ND | 2.0 | " | |
| Beryllium | ND | 2.2 | " | |
| Cadmium | ND | 2.5 | " | |



Mearns Consulting LLC
Project: Town Center Northwest
738 Ashland Avenue
Project Number: [none]

738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

| LCS (B1G1412-BS1) | | | | Prepared: 07/14 | 1/21 Analyzed: 07 | //19/21 | | |
|------------------------|------|-----|-------|-----------------|-------------------|---------|------|----|
| Thallium | 104 | 17 | mg/kg | 100 | 104 | 80-120 | | |
| Cadmium | 104 | 2.5 | " | 100 | 104 | 80-120 | | |
| Beryllium | 94.1 | 2.2 | " | 100 | 94.1 | 80-120 | | |
| Lead | 95.0 | 7.1 | " | 100 | 95.0 | 80-120 | | |
| <i>V</i> anadium | 91.6 | 5.1 | " | 100 | 91.6 | 80-120 | | |
| Copper | 100 | 5.0 | " | 100 | 100 | 78-122 | | |
| ilver | 101 | 2.0 | " | 100 | 101 | 60-140 | | |
| ntimony | 102 | 8.0 | " | 100 | 102 | 75-125 | | |
| lickel | 98.4 | 3.0 | " | 100 | 98.4 | 80-120 | | |
| obalt | 107 | 3.3 | " | 100 | 107 | 80-120 | | |
| inc | 100 | 7.0 | " | 100 | 100 | 80-120 | | |
| lolybdenum | 99.8 | 5.2 | " | 100 | 99.8 | 80-120 | | |
| arium | 106 | 6.0 | " | 100 | 106 | 80-120 | | |
| hromium | 98.3 | 2.3 | " | 100 | 98.3 | 80-120 | | |
| rsenic | 95.4 | 5.5 | " | 100 | 95.4 | 78-122 | | |
| elenium | 93.8 | 6.9 | " | 100 | 93.8 | 76-124 | | |
| .CS Dup (B1G1412-BSD1) | | | | Prepared: 07/14 | 1/21 Analyzed: 07 | 7/19/21 | | |
| eryllium | 88.7 | 2.2 | mg/kg | 100 | 88.7 | 80-120 | 5.85 | 20 |
| opper | 104 | 5.0 | " | 100 | 104 | 78-122 | 3.97 | 20 |
| ead | 90.2 | 7.1 | " | 100 | 90.2 | 80-120 | 5.18 | 20 |
| ntimony | 96.2 | 8.0 | " | 100 | 96.2 | 75-125 | 5.41 | 20 |
| hromium | 92.4 | 2.3 | " | 100 | 92.4 | 80-120 | 6.16 | 20 |
| ilver | 92.1 | 2.0 | " | 100 | 92.1 | 60-140 | 8.97 | 40 |
| Iolybdenum | 94.6 | 5.2 | " | 100 | 94.6 | 80-120 | 5.30 | 20 |
| arium | 99.2 | 6.0 | " | 100 | 99.2 | 80-120 | 6.23 | 20 |
| lickel | 93.0 | 3.0 | " | 100 | 93.0 | 80-120 | 5.67 | 20 |
| obalt | 100 | 3.3 | " | 100 | 100 | 80-120 | 6.16 | 20 |
| admium | 97.6 | 2.5 | " | 100 | 97.6 | 80-120 | 6.06 | 20 |
| elenium | 88.5 | 6.9 | " | 100 | 88.5 | 76-124 | 5.79 | 20 |
| rsenic | 90.0 | 5.5 | " | 100 | 90.0 | 78-122 | 5.72 | 20 |
| hallium | 98.6 | 17 | " | 100 | 98.6 | 80-120 | 5.26 | 20 |
| inc | 95.2 | 7.0 | " | 100 | 95.2 | 80-120 | 5.29 | 20 |
| ⁷ anadium | 86.4 | 5.1 | " | 100 | 86.4 | 80-120 | 5.87 | 20 |



738 Ashland AvenueProject Number: [none]Reported:Santa Monica CA, 90405Project Manager: Susan Mearns07/22/21 13:51

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

| Ratch | R 16 | C14 | 12 _ | FΡΔ | 3050B |
|-------|-------------|------|------|-----|-------|
| Daten | DI | LTI4 | 12- | LEA | ういういわ |

| Matrix Spike (B1G1412-MS1) | Source: 2107188-21 | | | Prepared: 0 | 7/14/21 A | 7/19/21 | | | |
|---|---|--|---|--|--|--|--|--|--|
| Antimony | 87.8 | 8.0 | mg/kg | 97.5 | ND | 90.1 | 60-140 | | |
| Chromium | 100 | 2.3 | " | 97.5 | 7.00 | 95.6 | 70-130 | | |
| Lead | 91.1 | 7.1 | " | 97.5 | 1.24 | 92.2 | 70-130 | | |
| Nickel | 96.1 | 3.0 | " | 97.5 | 4.45 | 94.0 | 70-130 | | |
| Beryllium | 90.5 | 2.2 | " | 97.5 | ND | 92.8 | 70-130 | | |
| Copper | 96.9 | 5.0 | " | 97.5 | 4.43 | 94.9 | 70-130 | | |
| ilver | 91.4 | 2.0 | " | 97.5 | ND | 93.8 | 60-140 | | |
| arium | 140 | 6.0 | " | 97.5 | 32.0 | 110 | 70-130 | | |
| obalt | 103 | 3.3 | " | 97.5 | 3.34 | 102 | 70-130 | | |
| rsenic | 93.7 | 5.5 | " | 97.5 | ND | 96.1 | 70-130 | | |
| elenium | 91.6 | 6.9 | " | 97.5 | ND | 94.0 | 70-130 | | |
| 1olybdenum | 91.7 | 5.2 | " | 97.5 | ND | 94.1 | 70-130 | | |
| anadium | 99.3 | 5.1 | " | 97.5 | 9.20 | 92.4 | 70-130 | | |
| hallium | 96.4 | 17 | " | 97.5 | ND | 98.9 | 70-130 | | |
| inc | 113 | 7.0 | " | 97.5 | 15.9 | 99.4 | 70-130 | | |
| admium | 99.5 | 2.5 | " | 97.5 | ND | 102 | 70-130 | | |
| Matrix Spike Dup (B1G1412-MSD1) | Source | : 2107188-2 | 21 | Prepared: 0 | 7/14/21 A | nalyzed: 07 | 7/19/21 | | |
| Cadmium | 96.2 | 2.5 | mg/kg | 97.0 | ND | 99.2 | 70-130 | 3.32 | 20 |
| opper | 111 | 5.0 | " | 97.0 | 4.43 | 110 | 70-130 | 14.0 | 30 |
| ilver | 91.1 | 2.0 | " | 97.0 | ND | 94.0 | 60-140 | 0.326 | 40 |
| | | | | | | | | | |
| rsenic | 91.1 | 5.5 | " | 97.0 | ND | 93.9 | 70-130 | 2.80 | 20 |
| | 91.1 85.4 | 5.5 8.0 | " | 97.0 97.0 | ND ND | 93.9 88.0 | 70-130 60-140 | 2.80 2.84 | 20 20 |
| ntimony | | | | | | | | | |
| ntimony obalt | 85.4 | 8.0 | " | 97.0 | ND | 88.0 | 60-140 | 2.84 | 20 |
| ntimony obalt ead | 85.4 101 | 8.0 3.3 | " | 97.0 97.0 | ND 3.34 | 88.0 100 | 60-140 70-130 | 2.84 2.40 | 20 20 |
| antimony Pobalt ead Beryllium | 85.4 101 88.7 | 8.0 3.3 7.1 | " | 97.0 97.0 97.0 | ND 3.34 1.24 | 88.0 100 90.2 | 60-140 70-130 70-130 | 2.84 2.40 2.65 | 20 20 30 |
| ntimony obalt ead eryllium folybdenum | 85.4 101 88.7 88.7 | 8.0 3.3 7.1 2.2 | " " " | 97.0 97.0 97.0 97.0 | ND 3.34 1.24 ND | 88.0 100 90.2 91.4 | 60-140 70-130 70-130 70-130 | 2.84 2.40 2.65 2.01 | 20 20 30 20 |
| ntimony obalt ead eryllium folybdenum hallium | 85.4 101 88.7 88.7 89.6 | 8.0 3.3 7.1 2.2 5.2 | " " " | 97.0 97.0 97.0 97.0 97.0 | ND 3.34 1.24 ND ND | 88.0 100 90.2 91.4 92.4 | 60-140 70-130 70-130 70-130 70-130 | 2.84 2.40 2.65 2.01 2.28 | 20 20 30 20 20 |
| ntimony obalt ead eryllium folybdenum hallium elenium | 85.4 101 88.7 88.7 89.6 93.5 | 8.0 3.3 7.1 2.2 5.2 | " | 97.0 97.0 97.0 97.0 97.0 97.0 | ND 3.34 1.24 ND ND | 88.0 100 90.2 91.4 92.4 96.4 | 60-140 70-130 70-130 70-130 70-130 70-130 | 2.84 2.40 2.65 2.01 2.28 2.99 | 20 20 30 20 20 20 |
| ntimony obalt ead eryllium Iolybdenum hallium elenium anadium | 85.4 101 88.7 88.7 89.6 93.5 | 8.0 3.3 7.1 2.2 5.2 17 6.9 | "" "" "" "" "" "" "" "" "" "" "" "" "" | 97.0 97.0 97.0 97.0 97.0 97.0 | ND 3.34 1.24 ND ND ND ND | 88.0 100 90.2 91.4 92.4 96.4 91.8 | 60-140 70-130 70-130 70-130 70-130 70-130 70-130 | 2.84 2.40 2.65 2.01 2.28 2.99 2.85 | 20 20 30 20 20 20 20 |
| ontimony Cobalt Lead Lead Leryllium Lolybdenum Lhallium Lelenium Lanadium Lanadium Lanadium | 85.4 101 88.7 88.7 89.6 93.5 89.1 97.1 | 8.0 3.3 7.1 2.2 5.2 17 6.9 5.1 | "" "" "" "" "" "" "" "" "" "" "" "" "" | 97.0 97.0 97.0 97.0 97.0 97.0 97.0 | ND 3.34 1.24 ND ND ND ND ND 9.20 | 88.0 100 90.2 91.4 92.4 96.4 91.8 90.6 | 60-140 70-130 70-130 70-130 70-130 70-130 70-130 | 2.84 2.40 2.65 2.01 2.28 2.99 2.85 2.24 | 20 20 30 20 20 20 20 20 |
| Arsenic Antimony Cobalt Acead Beryllium Molybdenum Thallium Belenium Sarium Chromium | 85.4 101 88.7 88.7 89.6 93.5 89.1 97.1 | 8.0 3.3 7.1 2.2 5.2 17 6.9 5.1 6.0 | "" "" "" "" "" "" "" "" "" "" "" "" "" | 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 | ND 3.34 1.24 ND ND ND ND ND 2.20 32.0 | 88.0 100 90.2 91.4 92.4 96.4 91.8 90.6 108 | 60-140 70-130 70-130 70-130 70-130 70-130 70-130 70-130 | 2.84 2.40 2.65 2.01 2.28 2.99 2.85 2.24 2.35 | 20 20 30 20 20 20 20 20 20 |



Mearns Consulting LLC Project: Town Center Northwest 738 Ashland Avenue Project Number: [none]

738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

| Batch B1G1413 - EPA 3050B | | | | | | | |
|---------------------------|------|-----|-------|-----------------|-------------------|--------|--|
| Blank (B1G1413-BLK1) | | | | Prepared: 07/14 | 4/21 Analyzed: 07 | /19/21 | |
| Selenium | ND | 6.9 | mg/kg | • | • | | |
| Vanadium | ND | 5.1 | " | | | | |
| Copper | ND | 5.0 | " | | | | |
| Antimony | ND | 8.0 | " | | | | |
| Silver | ND | 2.0 | " | | | | |
| ead | ND | 7.1 | " | | | | |
| Molybdenum | ND | 5.2 | " | | | | |
| hallium | ND | 17 | " | | | | |
| admium | ND | 2.5 | " | | | | |
| rsenic | ND | 5.5 | " | | | | |
| obalt | ND | 3.3 | " | | | | |
| ickel | ND | 3.0 | " | | | | |
| eryllium | ND | 2.2 | " | | | | |
| nromium | ND | 2.3 | " | | | | |
| nrium | ND | 6.0 | " | | | | |
| nc | ND | 7.0 | " | | | | |
| CS (B1G1413-BS1) | | | | Prepared: 07/14 | 4/21 Analyzed: 07 | /19/21 | |
| Chromium | 99.8 | 2.3 | mg/kg | 100 | 99.8 | 80-120 | |
| ne | 109 | 7.0 | " | 100 | 109 | 80-120 | |
| rium | 108 | 6.0 | " | 100 | 108 | 80-120 | |
| nadium | 90.2 | 5.1 | " | 100 | 90.2 | 80-120 | |
| ryllium | 93.3 | 2.2 | " | 100 | 93.3 | 80-120 | |
| ckel | 101 | 3.0 | " | 100 | 101 | 80-120 | |
| dmium | 106 | 2.5 | " | 100 | 106 | 80-120 | |
| ntimony | 104 | 8.0 | " | 100 | 104 | 75-125 | |
| elenium | 102 | 6.9 | " | 100 | 102 | 76-124 | |
| lver | 107 | 2.0 | " | 100 | 107 | 60-140 | |
| opper | 96.1 | 5.0 | " | 100 | 96.1 | 78-122 | |
| ad | 102 | 7.1 | " | 100 | 102 | 80-120 | |
| rsenic | 103 | 5.5 | " | 100 | 103 | 78-122 | |
| olybdenum | 96.6 | 5.2 | " | 100 | 96.6 | 80-120 | |
| allium | 108 | 17 | " | 100 | 108 | 80-120 | |
| balt | 111 | 3.3 | " | 100 | 111 | 80-120 | |
| | | | | | | | |



Arsenic

Antimony

Cadmium

Mearns Consulting LLC Project: Town Center Northwest

738 Ashland AvenueProject Number: [none]Reported:Santa Monica CA, 90405Project Manager: Susan Mearns07/22/21 13:51

Reporting

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Spike

Source

%REC

RPD

| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
|----------------------------|--------|-------------|-------|-------------|-------------|-------------|---------|-------|-------|-------|
| Batch B1G1413 - EPA 3050B | | | | | | | | | | |
| LCS Dup (B1G1413-BSD1) | | | | Prepared: (| 07/14/21 Aı | nalyzed: 07 | //19/21 | | | |
| Silver | 108 | 2.0 | mg/kg | 100 | | 108 | 60-140 | 1.37 | 40 | |
| Molybdenum | 101 | 5.2 | " | 100 | | 101 | 80-120 | 4.23 | 20 | |
| Nickel | 98.9 | 3.0 | " | 100 | | 98.9 | 80-120 | 1.93 | 20 | |
| Barium | 107 | 6.0 | " | 100 | | 107 | 80-120 | 1.32 | 20 | |
| Chromium | 98.9 | 2.3 | " | 100 | | 98.9 | 80-120 | 0.931 | 20 | |
| Lead | 99.9 | 7.1 | " | 100 | | 99.9 | 80-120 | 2.35 | 20 | |
| Thallium | 107 | 17 | " | 100 | | 107 | 80-120 | 0.535 | 20 | |
| Zinc | 109 | 7.0 | " | 100 | | 109 | 80-120 | 0.459 | 20 | |
| Cadmium | 104 | 2.5 | " | 100 | | 104 | 80-120 | 2.29 | 20 | |
| Arsenic | 102 | 5.5 | " | 100 | | 102 | 78-122 | 1.78 | 20 | |
| Antimony | 101 | 8.0 | " | 100 | | 101 | 75-125 | 2.83 | 20 | |
| Selenium | 100 | 6.9 | " | 100 | | 100 | 76-124 | 1.88 | 20 | |
| <i>J</i> anadium | 88.6 | 5.1 | " | 100 | | 88.6 | 80-120 | 1.76 | 20 | |
| Beryllium | 92.1 | 2.2 | " | 100 | | 92.1 | 80-120 | 1.27 | 20 | |
| Cobalt | 109 | 3.3 | " | 100 | | 109 | 80-120 | 1.30 | 20 | |
| Copper | 95.7 | 5.0 | " | 100 | | 95.7 | 78-122 | 0.417 | 20 | |
| Matrix Spike (B1G1413-MS1) | Sourc | e: 2107188- | 41 | Prepared: (| 07/14/21 Aı | nalyzed: 07 | 7/19/21 | | | |
| Barium | 185 | 6.0 | mg/kg | 99.2 | 65.7 | 120 | 70-130 | | | |
| Nickel | 101 | 3.0 | " | 99.2 | 11.6 | 89.7 | 70-130 | | | |
| Zinc | 137 | 7.0 | " | 99.2 | 34.9 | 103 | 70-130 | | | |
| Vanadium | 110 | 5.1 | " | 99.2 | 22.6 | 88.4 | 70-130 | | | |
| Гhallium | 90.3 | 17 | " | 99.2 | ND | 91.0 | 70-130 | | | |
| Selenium | 90.7 | 6.9 | " | 99.2 | ND | 91.5 | 70-130 | | | |
| Silver | 108 | 2.0 | " | 99.2 | ND | 109 | 60-140 | | | |
| Lead | 89.6 | 7.1 | " | 99.2 | 4.09 | 86.2 | 70-130 | | | |
| Molybdenum | 83.6 | 5.2 | " | 99.2 | 0.725 | 83.5 | 70-130 | | | |
| Copper | 97.7 | 5.0 | " | 99.2 | 12.2 | 86.2 | 70-130 | | | |
| Chromium | 107 | 2.3 | " | 99.2 | 17.0 | 90.9 | 70-130 | | | |
| Cobalt | 101 | 3.3 | " | 99.2 | 7.33 | 94.8 | 70-130 | | | |
| Beryllium | 83.1 | 2.2 | " | 99.2 | ND | 83.8 | 70-130 | | | |
| | | | | | | | | | | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

5.5

8.0

2.5

93.8

73.9

98.4

99.2

99.2

99.2

ND

ND

94.6

74.4

99.2

70-130

60-140

70-130



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

| Ratch | R1G1 | 413 - | EPA | 3050B |
|-------|------|-------|-----|-------|
| | | | | |

| Matrix Spike Dup (B1G1413-MSD1) | Source | : 2107188-4 | 41 | Prepared: (| 07/14/21 At | | | | | |
|---------------------------------|--------|-------------|-----------|-------------|-------------|------|--------|------|----|--|
| Antimony | 65.3 | 8.0 | mg/kg | 99.8 | ND | 65.4 | 60-140 | 12.3 | 20 | |
| Selenium | 86.7 | 6.9 | " | 99.8 | ND | 86.9 | 70-130 | 4.56 | 20 | |
| Vanadium | 103 | 5.1 | " | 99.8 | 22.6 | 80.7 | 70-130 | 6.68 | 20 | |
| Barium | 172 | 6.0 | " | 99.8 | 65.7 | 107 | 70-130 | 7.03 | 20 | |
| Zinc | 129 | 7.0 | " | 99.8 | 34.9 | 94.2 | 70-130 | 6.12 | 20 | |
| Arsenic | 82.3 | 5.5 | " | 99.8 | ND | 82.5 | 70-130 | 13.1 | 20 | |
| Lead | 79.1 | 7.1 | " | 99.8 | 4.09 | 75.2 | 70-130 | 12.4 | 30 | |
| Thallium | 81.9 | 17 | " | 99.8 | ND | 82.0 | 70-130 | 9.75 | 20 | |
| Beryllium | 77.9 | 2.2 | " | 99.8 | ND | 78.1 | 70-130 | 6.48 | 20 | |
| Cobalt | 94.9 | 3.3 | " | 99.8 | 7.33 | 87.8 | 70-130 | 6.63 | 20 | |
| Chromium | 100 | 2.3 | " | 99.8 | 17.0 | 83.3 | 70-130 | 6.76 | 20 | |
| Nickel | 87.8 | 3.0 | " | 99.8 | 11.6 | 76.4 | 70-130 | 13.6 | 20 | |
| Cadmium | 91.8 | 2.5 | " | 99.8 | ND | 92.0 | 70-130 | 6.88 | 20 | |
| Copper | 110 | 5.0 | " | 99.8 | 12.2 | 97.9 | 70-130 | 11.7 | 30 | |
| Silver | 104 | 2.0 | " | 99.8 | ND | 105 | 60-140 | 3.66 | 40 | |
| Molybdenum | 95.4 | 5.2 | " | 99.8 | 0.725 | 94.8 | 70-130 | 13.1 | 20 | |

Batch B1G1414 - EPA 7471A

| Blank (B1G1414-BLK1) | | | | Prepared: 0 | 7/14/21 A | Analyzed: 0' | 7/16/21 | | |
|----------------------------|---------|-----------|-------|---------------------------------------|-----------|--------------|---------|--|--|
| Mercury | ND | 0.90 | mg/kg | | | | | | |
| LCS (B1G1414-BS1) | | | | Prepared: 0 | 7/14/21 A | Analyzed: 0' | 7/16/21 | | |
| Mercury | 0.12 | 0.90 | mg/kg | 0.167 | | 70.5 | 70-130 | | |
| Matrix Spike (B1G1414-MS1) | Source: | 2107188-0 |)1 | Prepared: 07/14/21 Analyzed: 07/16/21 | | | 7/16/21 | | |
| Mercury | 0.16 | 0.90 | mg/kg | 0.163 | ND | 100 | 70-130 | | |



Mearns Consulting LLC Project: Town Center Northwest 738 Ashland Avenue Project Number: [none]

Santa Monica CA, 90405 Project Manager: Susan Mearns

Reported: 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------|--------|--------------|-------|-------------|------------|--------------|---------|-------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch B1G1414 - EPA 7471A | | | | | | | | | | |
| Matrix Spike Dup (B1G1414-MSD1) | Sour | ce: 2107188- | 01 | Prepared: (|)7/14/21 A | Analyzed: 07 | 7/16/21 | | | |
| Mercury | 0.16 | 0.90 | mg/kg | 0.162 | ND | 99.9 | 70-130 | 0.871 | 30 | |
| Batch B1G1415 - EPA 7471A | | | | | | | | | | |
| Blank (B1G1415-BLK1) | | | | Prepared: (|)7/14/21 A | Analyzed: 07 | 7/16/21 | | | |
| Mercury | ND | 0.90 | mg/kg | | | | | | | |
| LCS (B1G1415-BS1) | | | | Prepared: (|)7/14/21 A | Analyzed: 07 | 7/16/21 | | | |
| Mercury | 0.12 | 0.90 | mg/kg | 0.167 | | 70.6 | 70-130 | | | |
| Matrix Spike (B1G1415-MS1) | Sour | ce: 2107188- | 21 | Prepared: (|)7/14/21 A | Analyzed: 07 | 7/16/21 | | | |
| Mercury | 0.16 | 0.90 | mg/kg | 0.161 | ND | 101 | 70-130 | | | |
| Matrix Spike Dup (B1G1415-MSD1) | Sour | ce: 2107188- | 21 | Prepared: (|)7/14/21 A | Analyzed: 07 | 7/16/21 | | | |
| Mercury | 0.16 | 0.90 | mg/kg | 0.158 | ND | 100 | 70-130 | 1.79 | 30 | |
| Batch B1G1416 - EPA 7471A | | | | | | | | | | |
| Blank (B1G1416-BLK1) | | | | Prepared: (|)7/14/21 A | Analyzed: 07 | 7/16/21 | | | |
| Mercury | ND | 0.90 | mg/kg | | | | | | | |
| LCS (B1G1416-BS1) | | | | Prepared: (|)7/14/21 A | Analyzed: 07 | 7/16/21 | | | |
| Mercury | 0.12 | 0.90 | mg/kg | 0.167 | | 70.7 | 70-130 | | | |
| Matrix Spike (B1G1416-MS1) | Sour | ce: 2107188- | 41 | Prepared: (| 07/14/21 A | Analyzed: 07 | 7/16/21 | | | |
| Mercury | 0.20 | 0.90 | mg/kg | 0.161 | ND | 124 | 70-130 | | | |



Mearns Consulting LLC
Project: Town Center Northwest
738 Ashland Avenue
Project Number: [none]

Santa Monica CA, 90405 Project Manager: Susan Mearns

Reported: 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------|--------|-------------------------------|-------|-------------|-------------|-------------|---------|-------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch B1G1416 - EPA 7471A | | | | | | | | | | |
| Matrix Spike Dup (B1G1416-MSD1) | Sour | ce: 2107188- | 41 | Prepared: (|)7/14/21 Aı | nalyzed: 07 | //16/21 | | | |
| Mercury | 0.19 | 0.90 | mg/kg | 0.158 | ND | 122 | 70-130 | 4.05 | 30 | |
| Batch B1G1417 - EPA 3060A | | | | | | | | | | |
| Blank (B1G1417-BLK1) | | | | Prepared: (| 07/14/21 A | nalyzed: 07 | //19/21 | | | |
| Hexavalent Chromium | ND | 0.10 | mg/kg | | | | | | | |
| LCS (B1G1417-BS1) | | | | Prepared: (| 07/14/21 A | nalyzed: 07 | //19/21 | | | |
| Hexavalent Chromium | 0.161 | 0.10 | mg/kg | 0.150 | | 107 | 80-120 | | | |
| Matrix Spike (B1G1417-MS1) | Sour | Source: 2107188-01 Pre | | Prepared: (|)7/14/21 Aı | nalyzed: 07 | //19/21 | | | |
| Hexavalent Chromium | 0.200 | 0.10 | mg/kg | 0.149 | 0.0624 | 92.3 | 75-125 | | | |
| Matrix Spike Dup (B1G1417-MSD1) | Sour | ce: 2107188- | 01 | Prepared: (| 07/14/21 A | nalyzed: 07 | //19/21 | | | |
| Hexavalent Chromium | 0.199 | 0.10 | mg/kg | 0.149 | 0.0624 | 91.4 | 75-125 | 0.823 | 20 | |
| Batch B1G1418 - EPA 3060A | | | | | | | | | | |
| Blank (B1G1418-BLK1) | | | | Prepared: (|)7/14/21 Aı | nalyzed: 07 | //19/21 | | | |
| Hexavalent Chromium | ND | 0.10 | mg/kg | • | | | | | | |
| LCS (B1G1418-BS1) | | | | Prepared: (|)7/14/21 Aı | nalyzed: 07 | //19/21 | | | |
| Hexavalent Chromium | 0.152 | 0.10 | mg/kg | 0.150 | | 101 | 80-120 | | | |
| Matrix Spike (B1G1418-MS1) | Source | ce: 2107188- | 21 | Prepared: (|)7/14/21 Aı | nalyzed: 07 | //19/21 | | | |
| Hexavalent Chromium | 0.149 | 0.10 | mg/kg | 0.149 | ND | 99.9 | 75-125 | | | |



Mearns Consulting LLC

Project: Town Center Northwest

738 Ashland Avenue

Project Number: [none]

738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

| | Reporting | | Spike | Source | | %REC | | RPD | |
|--------|--------------------------------|---|--|---------------------------|--|---|---|--|--|
| Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| | | | | | | | | | |
| Source | : 2107188-2 | 21 | Prepared: 0 | 7/14/21 At | nalyzed: 07 | /19/21 | | | |
| 0.142 | 0.10 | mg/kg | 0.149 | ND | 95.6 | 75-125 | 4.53 | 20 | |
| | | | | | | | | | |
| | | | Prepared: 0 | 7/14/21 At | nalyzed: 07 | /19/21 | | | |
| ND | 0.10 | mg/kg | | | | | | | |
| | | | Prepared: 0 | 7/14/21 At | nalyzed: 07 | /19/21 | | | |
| 0.144 | 0.10 | mg/kg | 0.150 | | 96.2 | 80-120 | | | |
| Source | : 2107188-4 | 41 | Prepared: 0 | 7/14/21 Aı | nalyzed: 07 | /19/21 | | | |
| 0.146 | 0.10 | mg/kg | 0.145 | 0.0341 | 77.2 | 75-125 | | | |
| Source | : 2107188-4 | 41 | Prepared: 0 | 7/14/21 At | nalyzed: 07 | /19/21 | | | |
| 0.145 | 0.10 | mg/kg | 0.145 | 0.0341 | 76.9 | 75-125 | 0.525 | 20 | |
| | ND 0.144 Source 0.146 Source | Result Limit Source: 2107188-2 0.142 0.10 ND 0.10 0.144 0.10 Source: 2107188-2 0.146 0.10 Source: 2107188-2 | Result Limit Units Source: 2107188-21 0.142 0.10 mg/kg ND 0.10 mg/kg 0.144 0.10 mg/kg Source: 2107188-41 0.146 0.10 mg/kg Source: 2107188-41 | ND 0.10 mg/kg 0.149 | Source: 2107188-21 Prepared: 07/14/21 An | Result Limit Units Level Result %REC Source: 2107188-21 Prepared: 07/14/21 Analyzed: 07 0.142 0.10 mg/kg 0.149 ND 95.6 Prepared: 07/14/21 Analyzed: 07 ND 0.10 mg/kg Prepared: 07/14/21 Analyzed: 07 0.144 0.10 mg/kg 0.150 96.2 Source: 2107188-41 Prepared: 07/14/21 Analyzed: 07 0.146 0.10 mg/kg 0.145 0.0341 77.2 Source: 2107188-41 Prepared: 07/14/21 Analyzed: 07 | Source: 2107188-21 Prepared: 07/14/21 Analyzed: 07/19/21 0.142 0.10 mg/kg 0.149 ND 95.6 75-125 ND 0.10 mg/kg Prepared: 07/14/21 Analyzed: 07/19/21 ND 0.10 mg/kg Prepared: 07/14/21 Analyzed: 07/19/21 0.144 0.10 mg/kg 0.150 96.2 80-120 Source: 2107188-41 Prepared: 07/14/21 Analyzed: 07/19/21 0.146 0.10 mg/kg 0.145 0.0341 77.2 75-125 Source: 2107188-41 Prepared: 07/14/21 Analyzed: 07/19/21 | Source: 2107188-21 Prepared: 07/14/21 Analyzed: 07/19/21 0.142 0.10 mg/kg 0.149 ND 95.6 75-125 4.53 ND 0.10 mg/kg Prepared: 07/14/21 Analyzed: 07/19/21 ND 0.10 mg/kg Prepared: 07/14/21 Analyzed: 07/19/21 0.144 0.10 mg/kg 0.150 96.2 80-120 Source: 2107188-41 Prepared: 07/14/21 Analyzed: 07/19/21 0.146 0.10 mg/kg 0.145 0.0341 77.2 75-125 Source: 2107188-41 Prepared: 07/14/21 Analyzed: 07/19/21 | Source: 2107188-21 Prepared: 07/14/21 Analyzed: 07/19/21 0.142 0.10 mg/kg 0.149 ND 95.6 75-125 4.53 20 ND 0.10 mg/kg 0.10 mg/kg Prepared: 07/14/21 Analyzed: 07/19/21 ND 0.10 mg/kg Prepared: 07/14/21 Analyzed: 07/19/21 0.144 0.10 mg/kg 0.150 96.2 80-120 Source: 2107188-41 Prepared: 07/14/21 Analyzed: 07/19/21 0.146 0.10 mg/kg 0.145 0.0341 77.2 75-125 Source: 2107188-41 Prepared: 07/14/21 Analyzed: 07/19/21 |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|--|--------|--------------|-------|------------|-----------|----------|--------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch B1G1502 - EPA 5035 P & T | | | | | | | | | | |
| Blank (B1G1502-BLK1) | | | | Prepared & | Analyzed: | 07/15/21 | | | | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | mg/kg | | | | · | | | |
| LCS (B1G1502-BS1) | | | | Prepared & | Analyzed: | 07/15/21 | | | | |
| Gasoline Range Hydrocarbons (C4-C12) | 0.570 | 0.050 | mg/kg | 0.600 | | 95.0 | 80-120 | | | |
| Matrix Spike (B1G1502-MS1) | Sour | ce: 2107188- | 01 | Prepared & | Analyzed: | 07/15/21 | | | | |
| Gasoline Range Hydrocarbons (C4-C12) | 0.455 | 0.050 | mg/kg | 0.600 | ND | 75.8 | 50-150 | | | |
| Matrix Spike Dup (B1G1502-MSD1) | Sour | ce: 2107188- | 01 | Prepared & | Analyzed: | 07/15/21 | | | | |
| Gasoline Range Hydrocarbons (C4-C12) | 0.480 | 0.050 | mg/kg | 0.600 | ND | 80.0 | 50-150 | 5.35 | 30 | |
| Batch B1G1503 - EPA 5035 P & T | | | | | | | | | | |
| Blank (B1G1503-BLK1) | | | | Prepared & | Analyzed: | 07/15/21 | | | | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | mg/kg | | | | | | | |
| LCS (B1G1503-BS1) | | | | Prepared & | Analyzed: | 07/15/21 | | | | |
| Gasoline Range Hydrocarbons (C4-C12) | 0.531 | 0.050 | mg/kg | 0.600 | | 88.5 | 80-120 | | | |
| Matrix Spike (B1G1503-MS1) | Sour | ce: 2107204- | 01 | Prepared & | Analyzed: | 07/15/21 | | | | |
| Gasoline Range Hydrocarbons (C4-C12) | 0.466 | 0.050 | mg/kg | 0.600 | ND | 77.7 | 50-150 | | | |
| Matrix Spike Dup (B1G1503-MSD1) | Sour | ce: 2107204- | 01 | Prepared & | Analyzed: | 07/15/21 | | | | |
| Gasoline Range Hydrocarbons (C4-C12) | 0.371 | 0.050 | mg/kg | 0.600 | ND | 61.8 | 50-150 | 22.7 | 30 | |
| Batch B1G1504 - EPA 3550B Solid Ext | | | | | | | | | | |
| Blank (B1G1504-BLK1) | | | | Prepared & | Analyzed: | 07/15/21 | | | | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | mg/kg | | | | | | | |
| | | | | | | | | | | |



738 Ashland AvenueProject Number: [none]Reported:Santa Monica CA, 90405Project Manager: Susan Mearns07/22/21 13:51

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|--|--------|-------------|-------|-------------|-------------|-------------|---------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch B1G1504 - EPA 3550B Solid Ext | | | | | | | | | | |
| LCS (B1G1504-BS1) | | | | Prepared & | k Analyzed: | 07/15/21 | | | | |
| Diesel Range Organics (C10-C24) | 18.1 | 5.0 | mg/kg | 20.0 | | 90.7 | 80-120 | | | |
| Matrix Spike (B1G1504-MS1) | Sourc | e: 2107188- | 01 | Prepared & | ե Analyzed: | 07/15/21 | | | | |
| Diesel Range Organics (C10-C24) | 19.6 | 5.0 | mg/kg | 20.0 | ND | 98.1 | 50-150 | | | |
| Matrix Spike Dup (B1G1504-MSD1) | Sourc | e: 2107188- | 01 | Prepared & | k Analyzed: | 07/15/21 | | | | |
| Diesel Range Organics (C10-C24) | 20.2 | 5.0 | mg/kg | 20.0 | ND | 101 | 50-150 | 2.77 | 30 | |
| Batch B1G1601 - EPA 3550B Solid Ext | | | | | | | | | | |
| Blank (B1G1601-BLK1) | | | | Prepared: (| 07/15/21 A | nalyzed: 07 | 7/16/21 | | | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | mg/kg | | | | | | | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | | | | | | | |
| LCS (B1G1601-BS1) | | | | Prepared: (| 07/15/21 A | nalyzed: 07 | 7/16/21 | | | |
| Diesel Range Organics (C10-C24) | 16.3 | 5.0 | mg/kg | 20.0 | | 81.5 | 80-120 | | | |
| Matrix Spike (B1G1601-MS1) | Sourc | e: 2107204- | 01 | Prepared: (| 07/15/21 A | nalyzed: 07 | 7/16/21 | | | |
| Diesel Range Organics (C10-C24) | 19.7 | 5.0 | mg/kg | 20.0 | ND | 98.6 | 50-150 | | | |
| Matrix Spike Dup (B1G1601-MSD1) | Sourc | e: 2107204- | 01 | Prepared: (| 07/15/21 A | nalyzed: 07 | 7/16/21 | | | |
| Diesel Range Organics (C10-C24) | 22.5 | 5.0 | mg/kg | 20.0 | ND | 112 | 50-150 | 13.1 | 30 | |
| Batch B1G1602 - EPA 3550B Solid Ext | | | | | | | | | | |
| Blank (B1G1602-BLK1) | | | | Prepared: (| 07/15/21 A | nalyzed: 07 | 7/16/21 | | | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | mg/kg | | | | | | | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | | | | | | | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------------|--------|--------------|-------|-------------|------------|--------------|---------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch B1G1602 - EPA 3550B Solid Ext | | | | | | | | | | |
| LCS (B1G1602-BS1) | | | | Prepared: (| 07/15/21 A | nalyzed: 07 | 7/16/21 | | | |
| Diesel Range Organics (C10-C24) | 16.9 | 5.0 | mg/kg | 20.0 | | 84.7 | 80-120 | | | |
| Matrix Spike (B1G1602-MS1) | Sour | ce: 2107188- | 23 | Prepared: (|)7/15/21 A | analyzed: 07 | 7/16/21 | | | |
| Diesel Range Organics (C10-C24) | 16.0 | 5.0 | mg/kg | 20.0 | ND | 79.8 | 50-150 | | | |
| Matrix Spike Dup (B1G1602-MSD1) | Sour | ce: 2107188- | 23 | Prepared: (|)7/15/21 A | analyzed: 07 | 7/16/21 | | | |
| Diesel Range Organics (C10-C24) | 18.3 | 5.0 | mg/kg | 20.0 | ND | 91.4 | 50-150 | 13.6 | 30 | |
| Batch B1G1913 - EPA 5035 P & T | | | | | | | | | | |
| Blank (B1G1913-BLK1) | | | | Prepared: (| 07/19/21 A | analyzed: 07 | 7/20/21 | | | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | mg/kg | | | | | | | |
| LCS (B1G1913-BS1) | | | | Prepared: (|)7/19/21 A | analyzed: 07 | 7/20/21 | | | |
| Gasoline Range Hydrocarbons (C4-C12) | 0.697 | 0.050 | mg/kg | 0.600 | | 116 | 80-120 | | | |
| Matrix Spike (B1G1913-MS1) | Sour | ce: 2107188- | 23 | Prepared: (|)7/19/21 A | analyzed: 07 | 7/20/21 | | | |
| Gasoline Range Hydrocarbons (C4-C12) | 0.570 | 0.050 | mg/kg | 0.600 | ND | 95.0 | 50-150 | | | |
| Matrix Spike Dup (B1G1913-MSD1) | Sour | ce: 2107188- | 23 | Prepared: (| 07/19/21 A | nalyzed: 07 | 7/20/21 | | | |
| Gasoline Range Hydrocarbons (C4-C12) | 0.456 | 0.050 | mg/kg | 0.600 | ND | 76.0 | 50-150 | 22.2 | 30 | |
| | | | | | | | | | | |



Mearns Consulting LLC
Project: Town Center Northwest

738 Ashland Avenue
Project Number: [none]

738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch B1G1407 - EPA 5035 P & T

| Blank (B1G1407-BLK1) | | | | Prepared: 07/14/21 Analyzed: 07/15/21 |
|-----------------------------|----|-----|-------|---------------------------------------|
| Benzene | ND | 5.0 | μg/kg | |
| Bromobenzene | ND | 5.0 | " | |
| Bromochloromethane | ND | 5.0 | " | |
| Bromodichloromethane | ND | 5.0 | " | |
| Bromoform | ND | 5.0 | " | |
| Bromomethane | ND | 5.0 | " | |
| n-Butylbenzene | ND | 5.0 | " | |
| sec-Butylbenzene | ND | 5.0 | " | |
| tert-Butylbenzene | ND | 5.0 | " | |
| Carbon tetrachloride | ND | 5.0 | " | |
| Chlorobenzene | ND | 5.0 | " | |
| Chloroethane | ND | 5.0 | " | |
| Chloroform | ND | 5.0 | " | |
| Chloromethane | ND | 5.0 | " | |
| 2-Chlorotoluene | ND | 5.0 | " | |
| 4-Chlorotoluene | ND | 5.0 | " | |
| Dibromochloromethane | ND | 5.0 | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | |
| Dibromomethane | ND | 5.0 | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | |
| Ethylbenzene | ND | 5.0 | " | |
| Hexachlorobutadiene | ND | 5.0 | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

| Batch | R1C | 1407. | . FPA | 5035 | P & T | ١ |
|-------|-----|-------|-------|------|-------|---|
| | | | | | | |

| Blank (B1G1407-BLK1) | | | | Prepared: 07/1 | 4/21 Analyzed: 07 | /15/21 | |
|---------------------------|------|-----|-------|----------------|-------------------|--------|--|
| Isopropylbenzene | ND | 5.0 | μg/kg | | | | |
| p-Isopropyltoluene | ND | 5.0 | " | | | | |
| Methylene chloride | ND | 5.0 | " | | | | |
| Methyl tert-butyl ether | ND | 5.0 | " | | | | |
| Naphthalene | ND | 5.0 | " | | | | |
| n-Propylbenzene | ND | 5.0 | " | | | | |
| Styrene | ND | 5.0 | " | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | " | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | " | | | | |
| Tetrachloroethene | ND | 5.0 | " | | | | |
| Toluene | ND | 5.0 | " | | | | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | " | | | | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | " | | | | |
| 1,1,1-Trichloroethane | ND | 5.0 | " | | | | |
| 1,1,2-Trichloroethane | ND | 5.0 | " | | | | |
| Trichloroethene | ND | 5.0 | " | | | | |
| Trichlorofluoromethane | ND | 5.0 | " | | | | |
| 1,2,3-Trichloropropane | ND | 5.0 | " | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | " | | | | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | | | | |
| Vinyl chloride | ND | 5.0 | " | | | | |
| m,p-Xylene | ND | 5.0 | " | | | | |
| o-Xylene | ND | 5.0 | " | | | | |
| LCS (B1G1407-BS1) | | | | Prepared: 07/1 | 4/21 Analyzed: 07 | /15/21 | |
| Benzene | 50.3 | 5.0 | μg/kg | 50.0 | 101 | 80-120 | |
| Chlorobenzene | 40.1 | 5.0 | " | 50.0 | 80.2 | 80-120 | |
| 1,1-Dichloroethene | 49.0 | 5.0 | " | 50.0 | 98.0 | 80-120 | |
| Toluene | 42.3 | 5.0 | " | 50.0 | 84.7 | 80-120 | |
| Trichloroethene | 50.2 | 5.0 | " | 50.0 | 100 | 80-120 | |
| | | | | | | | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch B1G1407 - EPA 5035 P & T

| Matrix Spike (B1G1407-MS1) | Source: 2107188-01 | | | Prepared: 07 | 7/14/21 A | nalyzed: 07 | /15/21 | | |
|---------------------------------|--------------------|-----|-------|--------------|-----------|-------------|--------|------|----|
| Benzene | 49.1 | 5.0 | μg/kg | 50.0 | ND | 98.2 | 37-151 | | |
| Chlorobenzene | 38.2 | 5.0 | " | 50.0 | ND | 76.4 | 37-160 | | |
| 1,1-Dichloroethene | 48.0 | 5.0 | " | 50.0 | ND | 96.0 | 50-150 | | |
| Toluene | 40.2 | 5.0 | " | 50.0 | ND | 80.3 | 47-150 | | |
| Trichloroethene | 48.1 | 5.0 | " | 50.0 | ND | 96.2 | 71-157 | | |
| Matrix Spike Dup (B1G1407-MSD1) | Source: 2107188-01 | | | Prepared: 07 | 7/14/21 A | nalyzed: 07 | /15/21 | | |
| Benzene | 47.4 | 5.0 | μg/kg | 50.0 | ND | 94.8 | 37-151 | 3.56 | 30 |
| Chlorobenzene | 36.9 | 5.0 | " | 50.0 | ND | 73.9 | 37-160 | 3.33 | 30 |
| 1,1-Dichloroethene | 44.6 | 5.0 | " | 50.0 | ND | 89.2 | 50-150 | 7.37 | 30 |
| Toluene | 37.8 | 5.0 | " | 50.0 | ND | 75.5 | 47-150 | 6.14 | 30 |
| Trichloroethene | 46.2 | 5.0 | " | 50.0 | ND | 92.5 | 71-157 | 3.92 | 30 |

| Blank (B1G1505-BLK1) | | | | Prepared & Analyzed: 07/15/21 |
|-----------------------------|----|-----|-------|-------------------------------|
| Benzene | ND | 5.0 | μg/kg | |
| Bromobenzene | ND | 5.0 | " | |
| Bromochloromethane | ND | 5.0 | " | |
| Bromodichloromethane | ND | 5.0 | " | |
| Bromoform | ND | 5.0 | " | |
| Bromomethane | ND | 5.0 | " | |
| n-Butylbenzene | ND | 5.0 | " | |
| sec-Butylbenzene | ND | 5.0 | " | |
| tert-Butylbenzene | ND | 5.0 | " | |
| Carbon tetrachloride | ND | 5.0 | " | |
| Chlorobenzene | ND | 5.0 | " | |
| Chloroethane | ND | 5.0 | " | |
| Chloroform | ND | 5.0 | " | |
| Chloromethane | ND | 5.0 | " | |
| -Chlorotoluene | ND | 5.0 | " | |
| -Chlorotoluene | ND | 5.0 | " | |
| Dibromochloromethane | ND | 5.0 | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | |
| Dibromomethane | ND | 5.0 | " | |
| ,2-Dichlorobenzene | ND | 5.0 | " | |
| 3-Dichlorobenzene | ND | 5.0 | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch B1G1505 - EPA 5035 P & T

| Blank (B1G1505-BLK1) | | | | Prepared & Analyzed: 07/15/21 |
|---------------------------|----|-----|-------|-------------------------------|
| 1,4-Dichlorobenzene | ND | 5.0 | μg/kg | |
| Dichlorodifluoromethane | ND | 5.0 | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | |
| Ethylbenzene | ND | 5.0 | " | |
| Hexachlorobutadiene | ND | 5.0 | " | |
| Isopropylbenzene | ND | 5.0 | " | |
| p-Isopropyltoluene | ND | 5.0 | " | |
| Methylene chloride | ND | 5.0 | " | |
| Methyl tert-butyl ether | ND | 5.0 | " | |
| Naphthalene | ND | 5.0 | " | |
| n-Propylbenzene | ND | 5.0 | " | |
| Styrene | ND | 5.0 | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | " | |
| Tetrachloroethene | ND | 5.0 | " | |
| Toluene | ND | 5.0 | " | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | " | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | " | |
| 1,1,1-Trichloroethane | ND | 5.0 | " | |
| 1,1,2-Trichloroethane | ND | 5.0 | " | |
| Trichloroethene | ND | 5.0 | " | |
| Trichlorofluoromethane | ND | 5.0 | " | |
| 1,2,3-Trichloropropane | ND | 5.0 | " | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | " | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | |
| Vinyl chloride | ND | 5.0 | " | |
| m,p-Xylene | ND | 5.0 | " | |



Carbon tetrachloride

Chlorobenzene

Chloroethane

Chloroform

Mearns Consulting LLC
Project: Town Center Northwest

738 Ashland Avenue
Project Number: [none]

Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Reporting

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

Spike

Source

%REC

| | | Reporting | | Spike | Source | | %REC | | KPD | | | |
|--|----------------------|---------------------------------|------------|--------------|-----------------------------------|----------|--------|------|-------|-------|--|--|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes | | |
| Batch B1G1505 - EPA 5035 P & T | | | | | | | | | | | | |
| Blank (B1G1505-BLK1) | | | | Prepared & | Analyzed: | 07/15/21 | | | | | | |
| o-Xylene | ND | 5.0 | μg/kg | | | | | | | | | |
| LCS (B1G1505-BS1) | | | | Prepared & | Analyzed: | 07/15/21 | | | | | | |
| Benzene | 48.1 | 5.0 | μg/kg | 50.0 | | 96.2 | 80-120 | | | | | |
| Chlorobenzene | 47.1 | 5.0 | " | 50.0 | | 94.2 | 80-120 | | | | | |
| 1,1-Dichloroethene | 45.5 | 5.0 | " | 50.0 | | 90.9 | 80-120 | | | | | |
| Toluene | 40.0 | 5.0 | " | 50.0 | | 80.0 | 80-120 | | | | | |
| Trichloroethene | 54.0 | 5.0 | " | 50.0 | | 108 | 80-120 | | | | | |
| Matrix Spike (B1G1505-MS1) | Sour | ce: 2107188- | 21 | Prepared & | Analyzed: | 07/15/21 | | | | | | |
| Benzene | 47.2 | 5.0 | μg/kg | 50.0 | ND | 94.5 | 37-151 | | | | | |
| Chlorobenzene | 41.2 | 5.0 | " | 50.0 | ND | 82.3 | 37-160 | | | | | |
| 1,1-Dichloroethene | 42.9 | 5.0 | " | 50.0 | ND | 85.8 | 50-150 | | | | | |
| Toluene | 43.1 | 5.0 | " | 50.0 | ND | 86.3 | 47-150 | | | | | |
| Trichloroethene | 55.4 | 5.0 | " | 50.0 | ND | 111 | 71-157 | | | | | |
| Matrix Spike Dup (B1G1505-MSD1) | Sour | ce: 2107188- | 21 | Prepared & | Analyzed: | 07/15/21 | | | | | | |
| Benzene | 48.8 | 5.0 | μg/kg | 50.0 | ND | 97.6 | 37-151 | 3.23 | 30 | | | |
| Chlorobenzene | 41.6 | 5.0 | " | 50.0 | ND | 83.2 | 37-160 | 1.04 | 30 | | | |
| 1,1-Dichloroethene | 44.7 | 5.0 | " | 50.0 | ND | 89.4 | 50-150 | 4.13 | 30 | | | |
| Toluene | 45.5 | 5.0 | " | 50.0 | ND | 90.9 | 47-150 | 5.26 | 30 | | | |
| Trichloroethene | 56.1 | 5.0 | " | 50.0 | ND | 112 | 71-157 | 1.18 | 30 | | | |
| Batch B1G1507 - EPA 5035 P & T | | | | | | | | | | | | |
| | | | | Prepared: () | ared: 07/16/21 Analyzed: 07/19/21 | | | | | | | |
| Blank (B1G1507-BLK1) | | | | r repared. 0 | | | | | | | | |
| | ND | 5.0 | μg/kg | rrepared. o | | • | | | | | | |
| Benzene | ND ND | 5.0 5.0 | μg/kg " | Trepared. 0 | | • | | | | | | |
| Benzene Bromobenzene | | | | Trepared. 0 | | | | | | | | |
| Benzene Bromobenzene Bromochloromethane | ND | 5.0 | " | Trepared. 0 | | • | | | | | | |
| Benzene Bromobenzene Bromochloromethane Bromodichloromethane | ND ND | 5.0 5.0 | " | Trepared. 0 | | | | | | | | |
| Benzene Bromobenzene Bromochloromethane Bromodichloromethane Bromoform | ND ND ND | 5.0 5.0 5.0 | " | Trepared. 0 | | · | | | | | | |
| Blank (B1G1507-BLK1) Benzene Bromobenzene Bromochloromethane Bromodichloromethane Bromoform Bromomethane n-Butylbenzene | ND ND ND ND | 5.0 5.0 5.0 5.0 | " " | Trepared. 0 | | | | | | | | |
| Benzene Bromobenzene Bromochloromethane Bromodichloromethane Bromoform Bromomethane | ND ND ND ND | 5.0 5.0 5.0 5.0 5.0 | " " " | Trepared. 0 | | | | | | | | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

5.0

5.0

5.0

5.0

ND

ND

ND

ND

Reported:

RPD



Mearns Consulting LLCProject:Town Center Northwest738 Ashland AvenueProject Number:[none]

738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch B1G1507 - EPA 5035 P & T

| Blank (B1G1507-BLK1) | | | | Prepared: 07/16/21 Analyzed: 07/19/21 |
|-----------------------------|----|-----|-------|---------------------------------------|
| Chloromethane | ND | 5.0 | μg/kg | |
| 2-Chlorotoluene | ND | 5.0 | " | |
| 4-Chlorotoluene | ND | 5.0 | " | |
| Dibromochloromethane | ND | 5.0 | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | |
| Dibromomethane | ND | 5.0 | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | |
| Ethylbenzene | ND | 5.0 | " | |
| Hexachlorobutadiene | ND | 5.0 | " | |
| Isopropylbenzene | ND | 5.0 | " | |
| p-Isopropyltoluene | ND | 5.0 | " | |
| Methylene chloride | ND | 5.0 | " | |
| Methyl tert-butyl ether | ND | 5.0 | " | |
| Naphthalene | ND | 5.0 | " | |
| n-Propylbenzene | ND | 5.0 | " | |
| Styrene | ND | 5.0 | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | " | |
| Tetrachloroethene | ND | 5.0 | " | |
| Toluene | ND | 5.0 | " | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | " | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

| Batch B1G1507 - EPA 5035 P & T | | | | | | | | | | |
|---------------------------------|--------|--------------|-------------|-------------|--------------|--------------|---------|------|----|--|
| Blank (B1G1507-BLK1) | | | | Prepared: 0 | 7/16/21 A | Analyzed: 07 | 7/19/21 | | | |
| 1,1,1-Trichloroethane | ND | 5.0 | μg/kg | | | | | | | |
| 1,1,2-Trichloroethane | ND | 5.0 | " | | | | | | | |
| Trichloroethene | ND | 5.0 | " | | | | | | | |
| Trichlorofluoromethane | ND | 5.0 | " | | | | | | | |
| 1,2,3-Trichloropropane | ND | 5.0 | " | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | " | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | | | | | | | |
| Vinyl chloride | ND | 5.0 | " | | | | | | | |
| m,p-Xylene | ND | 5.0 | " | | | | | | | |
| o-Xylene | ND | 5.0 | " | | | | | | | |
| LCS (B1G1507-BS1) | Pre | | Prepared: 0 | 7/16/21 A | Analyzed: 07 | 7/19/21 | | | | |
| Benzene | 48.2 | 5.0 | μg/kg | 50.0 | | 96.4 | 80-120 | | | |
| Chlorobenzene | 47.1 | 5.0 | " | 50.0 | | 94.2 | 80-120 | | | |
| 1,1-Dichloroethene | 44.3 | 5.0 | " | 50.0 | | 88.6 | 80-120 | | | |
| Toluene | 42.8 | 5.0 | " | 50.0 | | 85.7 | 80-120 | | | |
| Trichloroethene | 50.8 | 5.0 | " | 50.0 | | 102 | 80-120 | | | |
| Matrix Spike (B1G1507-MS1) | Source | e: 2107118-0 | 05 | Prepared: 0 | 7/16/21 A | Analyzed: 07 | 7/19/21 | | | |
| Benzene | 40.2 | 5.0 | μg/kg | 50.0 | ND | 80.4 | 37-151 | | | |
| Chlorobenzene | 34.2 | 5.0 | " | 50.0 | ND | 68.4 | 37-160 | | | |
| 1,1-Dichloroethene | 36.1 | 5.0 | " | 50.0 | ND | 72.3 | 50-150 | | | |
| Toluene | 36.4 | 5.0 | " | 50.0 | ND | 72.7 | 47-150 | | | |
| Trichloroethene | 43.2 | 5.0 | " | 50.0 | ND | 86.5 | 71-157 | | | |
| Matrix Spike Dup (B1G1507-MSD1) | Source | e: 2107118-0 | 05 | Prepared: 0 | 7/16/21 A | Analyzed: 07 | 7/19/21 | | | |
| Benzene | 44.9 | 5.0 | μg/kg | 50.0 | ND | 89.8 | 37-151 | 11.0 | 30 | |
| Chlorobenzene | 37.3 | 5.0 | " | 50.0 | ND | 74.6 | 37-160 | 8.73 | 30 | |
| 1,1-Dichloroethene | 39.1 | 5.0 | " | 50.0 | ND | 78.1 | 50-150 | 7.79 | 30 | |
| Toluene | 39.4 | 5.0 | " | 50.0 | ND | 78.9 | 47-150 | 8.12 | 30 | |
| Trichloroethene | 48.5 | 5.0 | " | 50.0 | ND | 97.0 | 71-157 | 11.4 | 30 | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

$Semivolatile\ Organic\ Compounds\ by\ EPA\ Method\ 8270C\ -\ Quality\ Control$

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch B1G1603 - EPA 3550B Solid Ext

| Blank (B1G1603-BLK1) | | | | Prepared: 07/15/21 Analyzed: 07/16/21 |
|-----------------------------|----|------|-------|---------------------------------------|
| Acenaphthene | ND | 0.33 | mg/kg | |
| Acenaphthylene | ND | 0.33 | " | |
| Anthracene | ND | 0.33 | " | |
| Benzidine | ND | 0.33 | " | |
| Benzo (a) anthracene | ND | 0.33 | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | |
| Benzo (a) pyrene | ND | 0.33 | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | |
| Benzyl alcohol | ND | 0.33 | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | |
| 4-Chloroaniline | ND | 0.33 | " | |
| 2-Chlorophenol | ND | 0.33 | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | |
| Chrysene | ND | 0.33 | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | |
| Dibenzofuran | ND | 0.33 | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | |
| Diethyl phthalate | ND | 0.33 | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | |
| Dimethyl phthalate | ND | 0.33 | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | |
| 2,4-Dinitrotoluene | ND | 0.33 | " | |
| 2,6-Dinitrotoluene | ND | 0.33 | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

$Semivolatile\ Organic\ Compounds\ by\ EPA\ Method\ 8270C\ -\ Quality\ Control$

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | | l |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|---|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes | l |

Batch B1G1603 - EPA 3550B Solid Ext

| Blank (B1G1603-BLK1) | | | | Prepared: 07/15/21 Analyzed: 07/16/21 |
|---------------------------|----|------|-------|---------------------------------------|
| Di-n-octyl phthalate | ND | 0.33 | mg/kg | |
| 1,2-Diphenylhydrazine | ND | 0.33 | " | |
| Fluoranthene | ND | 0.33 | " | |
| Fluorene | ND | 0.33 | " | |
| Hexachlorobenzene | ND | 0.33 | " | |
| Hexachlorobutadiene | ND | 0.33 | " | |
| Hexachlorocyclopentadiene | ND | 0.33 | " | |
| Hexachloroethane | ND | 0.33 | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.33 | " | |
| Isophorone | ND | 0.33 | " | |
| 2-Methylnaphthalene | ND | 0.33 | " | |
| 2-Methylphenol | ND | 0.33 | " | |
| 4-Methylphenol | ND | 0.33 | " | |
| Naphthalene | ND | 0.33 | " | |
| 2-Nitroaniline | ND | 0.33 | " | |
| 3-Nitroaniline | ND | 0.33 | " | |
| 4-Nitroaniline | ND | 0.33 | " | |
| Nitrobenzene | ND | 0.33 | " | |
| 2-Nitrophenol | ND | 0.33 | " | |
| 4-Nitrophenol | ND | 0.33 | " | |
| N-Nitrosodimethylamine | ND | 0.33 | " | |
| Diphenylamine | ND | 0.33 | " | |
| N-Nitrosodi-n-propylamine | ND | 0.33 | " | |
| Pentachlorophenol | ND | 0.33 | " | |
| Phenanthrene | ND | 0.33 | " | |
| Phenol | ND | 0.33 | " | |
| Pyrene | ND | 0.33 | " | |
| 1,2,4-Trichlorobenzene | ND | 0.33 | " | |
| 2,4,5-Trichlorophenol | ND | 0.33 | " | |
| 2,4,6-Trichlorophenol | ND | 0.33 | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| | | | | | | | | | | |

| LCS (B1G1603-BS1) | | | | Prepared: 0 | 7/15/21 A | nalyzed: 07 | 7/16/21 | | |
|---------------------------------|-------|-------------|-------|-------------|-----------|-------------|---------|------|----|
| Acenaphthene | 0.843 | 0.33 | mg/kg | 1.00 | | 84.3 | 47-145 | | |
| 2-Chlorophenol | 2.07 | 0.33 | " | 2.00 | | 104 | 23-134 | | |
| 4-Chloro-3-methylphenol | 1.94 | 0.33 | " | 2.00 | | 96.8 | 22-147 | | |
| 1,4-Dichlorobenzene | 0.791 | 0.33 | " | 1.00 | | 79.1 | 20-124 | | |
| 2,4-Dinitrotoluene | 0.496 | 0.33 | " | 1.00 | | 49.6 | 39-139 | | |
| 4-Nitrophenol | 0.636 | 0.33 | " | 2.00 | | 31.8 | 0-132 | | |
| N-Nitrosodi-n-propylamine | 0.683 | 0.33 | " | 1.00 | | 68.3 | 0-230 | | |
| Pentachlorophenol | 0.446 | 0.33 | " | 2.00 | | 22.3 | 14-176 | | |
| Phenol | 1.73 | 0.33 | " | 2.00 | | 86.4 | 5-112 | | |
| Pyrene | 0.831 | 0.33 | " | 1.00 | | 83.1 | 52-115 | | |
| 1,2,4-Trichlorobenzene | 0.729 | 0.33 | " | 1.00 | | 72.9 | 44-142 | | |
| Matrix Spike (B1G1603-MS1) | Sourc | e: 2107188- | 01 | Prepared: 0 | 7/15/21 A | nalyzed: 07 | 7/16/21 | | |
| Acenaphthene | 0.909 | 0.33 | mg/kg | 1.00 | ND | 90.9 | 47-145 | | |
| 2-Chlorophenol | 1.84 | 0.33 | " | 2.00 | ND | 91.8 | 23-134 | | |
| 4-Chloro-3-methylphenol | 1.65 | 0.33 | " | 2.00 | ND | 82.6 | 22-147 | | |
| 1,4-Dichlorobenzene | 0.894 | 0.33 | " | 1.00 | ND | 89.4 | 20-124 | | |
| 2,4-Dinitrotoluene | 0.537 | 0.33 | " | 1.00 | ND | 53.7 | 39-139 | | |
| 4-Nitrophenol | 0.655 | 0.33 | " | 2.00 | ND | 32.8 | 0-132 | | |
| N-Nitrosodi-n-propylamine | 0.881 | 0.33 | " | 1.00 | ND | 88.1 | 0-230 | | |
| Pentachlorophenol | 0.351 | 0.33 | " | 2.00 | ND | 17.6 | 14-176 | | |
| Phenol | 1.59 | 0.33 | " | 2.00 | ND | 79.5 | 5-112 | | |
| Pyrene | 0.953 | 0.33 | " | 1.00 | ND | 95.3 | 52-115 | | |
| 1,2,4-Trichlorobenzene | 0.820 | 0.33 | " | 1.00 | ND | 82.0 | 44-142 | | |
| Matrix Spike Dup (B1G1603-MSD1) | Sourc | e: 2107188- | 01 | Prepared: 0 | 7/15/21 A | nalyzed: 07 | 7/16/21 | | |
| Acenaphthene | 1.03 | 0.33 | mg/kg | 1.00 | ND | 103 | 47-145 | 12.8 | 30 |
| 2-Chlorophenol | 1.90 | 0.33 | " | 2.00 | ND | 95.0 | 23-134 | 3.37 | 30 |
| 4-Chloro-3-methylphenol | 1.90 | 0.33 | " | 2.00 | ND | 94.8 | 22-147 | 13.7 | 30 |
| 1,4-Dichlorobenzene | 0.981 | 0.33 | " | 1.00 | ND | 98.1 | 20-124 | 9.28 | 30 |
| 2,4-Dinitrotoluene | 0.527 | 0.33 | " | 1.00 | ND | 52.7 | 39-139 | 1.88 | 30 |
| 4-Nitrophenol | 0.642 | 0.33 | " | 2.00 | ND | 32.1 | 0-132 | 2.00 | 30 |
| N-Nitrosodi-n-propylamine | 0.938 | 0.33 | " | 1.00 | ND | 93.8 | 0-230 | 6.27 | 30 |
| Pentachlorophenol | 0.414 | 0.33 | | 2.00 | ND | 20.7 | 14-176 | 16.5 | 30 |
| Phenol | 1.84 | 0.33 | | 2.00 | ND | 92.1 | 5-112 | 14.7 | 30 |
| Pyrene | 0.846 | 0.33 | " | 1.00 | ND | 84.6 | 52-115 | 11.9 | 30 |
| 1,2,4-Trichlorobenzene | 0.708 | 0.33 | " | 1.00 | ND | 70.8 | 44-142 | 14.7 | 30 |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

$Semivolatile\ Organic\ Compounds\ by\ EPA\ Method\ 8270C\ -\ Quality\ Control$

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | | l |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|---|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes | l |

Batch B1G1916 - EPA 3550B Solid Ext

| Blank (B1G1916-BLK1) | | | | Prepared: 07/19/21 Analyzed: 07/20/21 |
|-----------------------------|----|------|-------|---------------------------------------|
| Acenaphthene | ND | 0.33 | mg/kg | |
| Acenaphthylene | ND | 0.33 | " | |
| Anthracene | ND | 0.33 | " | |
| Benzidine | ND | 0.33 | " | |
| Benzo (a) anthracene | ND | 0.33 | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | |
| Benzo (a) pyrene | ND | 0.33 | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | |
| Benzyl alcohol | ND | 0.33 | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | |
| 4-Chloroaniline | ND | 0.33 | " | |
| 2-Chlorophenol | ND | 0.33 | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | |
| Chrysene | ND | 0.33 | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | |
| Dibenzofuran | ND | 0.33 | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | |
| Diethyl phthalate | ND | 0.33 | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | |
| Dimethyl phthalate | ND | 0.33 | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | |
| 2,4-Dinitrotoluene | ND | 0.33 | " | |
| 2,6-Dinitrotoluene | ND | 0.33 | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | | l |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|---|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes | l |

Batch B1G1916 - EPA 3550B Solid Ext

| Blank (B1G1916-BLK1) | | | | Prepared: 07/19/21 Analyzed: 07/20/21 |
|---------------------------|----|------|-------|---------------------------------------|
| Di-n-octyl phthalate | ND | 0.33 | mg/kg | |
| 1,2-Diphenylhydrazine | ND | 0.33 | " | |
| Fluoranthene | ND | 0.33 | " | |
| Fluorene | ND | 0.33 | " | |
| Hexachlorobenzene | ND | 0.33 | " | |
| Hexachlorobutadiene | ND | 0.33 | " | |
| Hexachlorocyclopentadiene | ND | 0.33 | " | |
| Hexachloroethane | ND | 0.33 | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.33 | " | |
| Isophorone | ND | 0.33 | " | |
| 2-Methylnaphthalene | ND | 0.33 | " | |
| 2-Methylphenol | ND | 0.33 | " | |
| 4-Methylphenol | ND | 0.33 | " | |
| Naphthalene | ND | 0.33 | " | |
| 2-Nitroaniline | ND | 0.33 | " | |
| 3-Nitroaniline | ND | 0.33 | " | |
| 4-Nitroaniline | ND | 0.33 | " | |
| Nitrobenzene | ND | 0.33 | " | |
| 2-Nitrophenol | ND | 0.33 | " | |
| 4-Nitrophenol | ND | 0.33 | " | |
| N-Nitrosodimethylamine | ND | 0.33 | " | |
| Diphenylamine | ND | 0.33 | " | |
| N-Nitrosodi-n-propylamine | ND | 0.33 | " | |
| Pentachlorophenol | ND | 0.33 | " | |
| Phenanthrene | ND | 0.33 | " | |
| Phenol | ND | 0.33 | " | |
| Pyrene | ND | 0.33 | " | |
| 1,2,4-Trichlorobenzene | ND | 0.33 | " | |
| 2,4,5-Trichlorophenol | ND | 0.33 | " | |
| 2,4,6-Trichlorophenol | ND | 0.33 | " | |



Mearns Consulting LLC
Project: Town Center Northwest

738 Ashland Avenue
Project Number: [none]

738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch B1G1916 - EPA 3550B Solid Ext

| Blank (B1G1916-BLK2) | | | | Prepared: 07/19/21 Analyzed: 07/20/21 |
|-----------------------------|----|------|-------|---------------------------------------|
| Acenaphthene | ND | 0.33 | mg/kg | |
| Acenaphthylene | ND | 0.33 | " | |
| Anthracene | ND | 0.33 | " | |
| Benzidine | ND | 0.33 | " | |
| Benzo (a) anthracene | ND | 0.33 | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | |
| Benzo (a) pyrene | ND | 0.33 | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | |
| Benzyl alcohol | ND | 0.33 | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | |
| 4-Chloroaniline | ND | 0.33 | " | |
| 2-Chlorophenol | ND | 0.33 | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | |
| Chrysene | ND | 0.33 | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | |
| Dibenzofuran | ND | 0.33 | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | |
| Diethyl phthalate | ND | 0.33 | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | |
| Dimethyl phthalate | ND | 0.33 | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | |
| 2,4-Dinitrotoluene | ND | 0.33 | " | |
| 2,6-Dinitrotoluene | ND | 0.33 | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

$Semivolatile\ Organic\ Compounds\ by\ EPA\ Method\ 8270C\ -\ Quality\ Control$

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | | l |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|---|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes | l |

Batch B1G1916 - EPA 3550B Solid Ext

| Blank (B1G1916-BLK2) | | | | Prepared: 07/19/21 Analyzed: 07/20/21 |
|---------------------------|----|------|-------|---------------------------------------|
| Di-n-octyl phthalate | ND | 0.33 | mg/kg | |
| 1,2-Diphenylhydrazine | ND | 0.33 | " | |
| Fluoranthene | ND | 0.33 | " | |
| Fluorene | ND | 0.33 | " | |
| Hexachlorobenzene | ND | 0.33 | " | |
| Hexachlorobutadiene | ND | 0.33 | " | |
| Hexachlorocyclopentadiene | ND | 0.33 | " | |
| Hexachloroethane | ND | 0.33 | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.33 | " | |
| Isophorone | ND | 0.33 | " | |
| 2-Methylnaphthalene | ND | 0.33 | " | |
| 2-Methylphenol | ND | 0.33 | " | |
| 4-Methylphenol | ND | 0.33 | " | |
| Naphthalene | ND | 0.33 | " | |
| 2-Nitroaniline | ND | 0.33 | " | |
| 3-Nitroaniline | ND | 0.33 | " | |
| 4-Nitroaniline | ND | 0.33 | " | |
| Nitrobenzene | ND | 0.33 | " | |
| 2-Nitrophenol | ND | 0.33 | " | |
| 4-Nitrophenol | ND | 0.33 | " | |
| N-Nitrosodimethylamine | ND | 0.33 | " | |
| Diphenylamine | ND | 0.33 | " | |
| N-Nitrosodi-n-propylamine | ND | 0.33 | " | |
| Pentachlorophenol | ND | 0.33 | " | |
| Phenanthrene | ND | 0.33 | " | |
| Phenol | ND | 0.33 | " | |
| Pyrene | ND | 0.33 | " | |
| 1,2,4-Trichlorobenzene | ND | 0.33 | " | |
| 2,4,5-Trichlorophenol | ND | 0.33 | " | |
| 2,4,6-Trichlorophenol | ND | 0.33 | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

| LCS (B1G1916-BS1) | | | | Prepared: 0 | 7/19/21 A | nalyzed: 07 | 7/20/21 |
|----------------------------|--------|-------------|-------|-------------|-----------|-------------|---------|
| Acenaphthene | 0.848 | 0.33 | mg/kg | 1.00 | | 84.8 | 47-145 |
| 2-Chlorophenol | 1.85 | 0.33 | " | 2.00 | | 92.3 | 23-134 |
| 4-Chloro-3-methylphenol | 1.96 | 0.33 | " | 2.00 | | 98.2 | 22-147 |
| 1,4-Dichlorobenzene | 0.815 | 0.33 | " | 1.00 | | 81.5 | 20-124 |
| 2,4-Dinitrotoluene | 0.479 | 0.33 | " | 1.00 | | 47.9 | 39-139 |
| 4-Nitrophenol | 0.664 | 0.33 | " | 2.00 | | 33.2 | 0-132 |
| N-Nitrosodi-n-propylamine | 0.797 | 0.33 | " | 1.00 | | 79.7 | 0-230 |
| Pentachlorophenol | 0.379 | 0.33 | " | 2.00 | | 19.0 | 14-176 |
| Phenol | 1.78 | 0.33 | " | 2.00 | | 89.0 | 5-112 |
| Pyrene | 0.709 | 0.33 | " | 1.00 | | 70.9 | 52-115 |
| 1,2,4-Trichlorobenzene | 0.729 | 0.33 | " | 1.00 | | 72.9 | 44-142 |
| LCS (B1G1916-BS2) | | | | Prepared: 0 | 7/19/21 A | nalyzed: 07 | 7/20/21 |
| Acenaphthene | 0.844 | 0.33 | mg/kg | 1.00 | | 84.4 | 47-145 |
| 2-Chlorophenol | 1.81 | 0.33 | " | 2.00 | | 90.6 | 23-134 |
| 4-Chloro-3-methylphenol | 2.16 | 0.33 | " | 2.00 | | 108 | 22-147 |
| 1,4-Dichlorobenzene | 0.796 | 0.33 | " | 1.00 | | 79.6 | 20-124 |
| 2,4-Dinitrotoluene | 0.523 | 0.33 | " | 1.00 | | 52.3 | 39-139 |
| 4-Nitrophenol | 0.642 | 0.33 | " | 2.00 | | 32.1 | 0-132 |
| N-Nitrosodi-n-propylamine | 0.711 | 0.33 | " | 1.00 | | 71.1 | 0-230 |
| Pentachlorophenol | 0.351 | 0.33 | " | 2.00 | | 17.6 | 14-176 |
| Phenol | 1.65 | 0.33 | " | 2.00 | | 82.6 | 5-112 |
| Pyrene | 0.694 | 0.33 | " | 1.00 | | 69.4 | 52-115 |
| 1,2,4-Trichlorobenzene | 0.615 | 0.33 | " | 1.00 | | 61.5 | 44-142 |
| Matrix Spike (B1G1916-MS1) | Source | e: 2107188- | 19 | Prepared: 0 | 7/19/21 A | nalyzed: 07 | 7/20/21 |
| Acenaphthene | 0.919 | 0.33 | mg/kg | 1.00 | ND | 91.9 | 47-145 |
| 2-Chlorophenol | 1.82 | 0.33 | " | 2.00 | ND | 91.2 | 23-134 |
| 4-Chloro-3-methylphenol | 1.84 | 0.33 | " | 2.00 | ND | 91.9 | 22-147 |
| 1,4-Dichlorobenzene | 0.880 | 0.33 | " | 1.00 | ND | 88.0 | 20-124 |
| 2,4-Dinitrotoluene | 0.899 | 0.33 | " | 1.00 | ND | 89.9 | 39-139 |
| 4-Nitrophenol | 0.634 | 0.33 | " | 2.00 | ND | 31.7 | 0-132 |
| N-Nitrosodi-n-propylamine | 0.834 | 0.33 | " | 1.00 | ND | 83.4 | 0-230 |
| Pentachlorophenol | 0.413 | 0.33 | " | 2.00 | ND | 20.6 | 14-176 |
| Phenol | 1.68 | 0.33 | " | 2.00 | ND | 84.2 | 5-112 |
| Pyrene | 0.866 | 0.33 | " | 1.00 | ND | 86.6 | 52-115 |
| 1,2,4-Trichlorobenzene | 0.810 | 0.33 | " | 1.00 | ND | 81.0 | 44-142 |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

| Matrix Spike (B1G1916-MS2) | Sourc | e: 2107188- | 30 | Prepared: 0 | 7/19/21 A | Analyzed: 07 | 7/20/21 | | | |
|---------------------------------|-------|-------------|-------|-------------|-----------|--------------|---------|-------|----|--|
| Acenaphthene | 0.919 | 0.33 | mg/kg | 1.00 | ND | 91.9 | 47-145 | | | |
| 2-Chlorophenol | 1.82 | 0.33 | " | 2.00 | ND | 91.2 | 23-134 | | | |
| 4-Chloro-3-methylphenol | 1.84 | 0.33 | " | 2.00 | ND | 91.9 | 22-147 | | | |
| 1,4-Dichlorobenzene | 0.880 | 0.33 | " | 1.00 | ND | 88.0 | 20-124 | | | |
| 2,4-Dinitrotoluene | 0.544 | 0.33 | " | 1.00 | ND | 54.4 | 39-139 | | | |
| 4-Nitrophenol | 0.634 | 0.33 | " | 2.00 | ND | 31.7 | 0-132 | | | |
| N-Nitrosodi-n-propylamine | 0.834 | 0.33 | " | 1.00 | ND | 83.4 | 0-230 | | | |
| Pentachlorophenol | 0.413 | 0.33 | " | 2.00 | ND | 20.6 | 14-176 | | | |
| Phenol | 1.68 | 0.33 | " | 2.00 | ND | 84.2 | 5-112 | | | |
| Pyrene | 0.866 | 0.33 | " | 1.00 | ND | 86.6 | 52-115 | | | |
| 1,2,4-Trichlorobenzene | 0.810 | 0.33 | " | 1.00 | ND | 81.0 | 44-142 | | | |
| Matrix Spike Dup (B1G1916-MSD1) | Sourc | e: 2107188- | 19 | Prepared: 0 | 7/19/21 A | Analyzed: 07 | 7/20/21 | | | |
| Acenaphthene | 0.968 | 0.33 | mg/kg | 1.00 | ND | 96.8 | 47-145 | 5.19 | 30 | |
| 2-Chlorophenol | 1.85 | 0.33 | " | 2.00 | ND | 92.3 | 23-134 | 1.25 | 30 | |
| 4-Chloro-3-methylphenol | 2.06 | 0.33 | " | 2.00 | ND | 103 | 22-147 | 11.2 | 30 | |
| ,4-Dichlorobenzene | 0.923 | 0.33 | " | 1.00 | ND | 92.3 | 20-124 | 4.77 | 30 | |
| 2,4-Dinitrotoluene | 0.920 | 0.33 | " | 1.00 | ND | 92.0 | 39-139 | 2.31 | 30 | |
| -Nitrophenol | 0.629 | 0.33 | " | 2.00 | ND | 31.4 | 0-132 | 0.792 | 30 | |
| N-Nitrosodi-n-propylamine | 0.847 | 0.33 | " | 1.00 | ND | 84.7 | 0-230 | 1.55 | 30 | |
| Pentachlorophenol | 0.458 | 0.33 | " | 2.00 | ND | 22.9 | 14-176 | 10.3 | 30 | |
| Phenol | 1.67 | 0.33 | " | 2.00 | ND | 83.4 | 5-112 | 0.955 | 30 | |
| Pyrene | 0.995 | 0.33 | " | 1.00 | ND | 99.5 | 52-115 | 13.9 | 30 | |
| ,2,4-Trichlorobenzene | 0.710 | 0.33 | " | 1.00 | ND | 71.0 | 44-142 | 13.2 | 30 | |
| Matrix Spike Dup (B1G1916-MSD2) | Sourc | e: 2107188- | 30 | Prepared: 0 | 7/19/21 A | Analyzed: 07 | 7/20/21 | | | |
| Acenaphthene | 1.00 | 0.33 | mg/kg | 1.00 | ND | 100 | 47-145 | 8.44 | 30 | |
| 2-Chlorophenol | 1.92 | 0.33 | " | 2.00 | ND | 96.0 | 23-134 | 5.13 | 30 | |
| 1-Chloro-3-methylphenol | 1.99 | 0.33 | " | 2.00 | ND | 99.4 | 22-147 | 7.79 | 30 | |
| ,4-Dichlorobenzene | 0.920 | 0.33 | " | 1.00 | ND | 92.0 | 20-124 | 4.44 | 30 | |
| ,4-Dinitrotoluene | 0.594 | 0.33 | " | 1.00 | ND | 59.4 | 39-139 | 8.79 | 30 | |
| -Nitrophenol | 0.650 | 0.33 | " | 2.00 | ND | 32.5 | 0-132 | 2.49 | 30 | |
| N-Nitrosodi-n-propylamine | 0.899 | 0.33 | " | 1.00 | ND | 89.9 | 0-230 | 7.50 | 30 | |
| Pentachlorophenol | 0.489 | 0.33 | " | 2.00 | ND | 24.4 | 14-176 | 16.9 | 30 | |
| Phenol | 1.72 | 0.33 | " | 2.00 | ND | 86.2 | 5-112 | 2.35 | 30 | |
| Dr. man a | 0.679 | 0.33 | " | 1.00 | ND | 67.9 | 52-115 | 24.2 | 30 | |
| Pyrene | 0.077 | 0.55 | | 1.00 | 110 | 07.5 | 32 113 | 22 | 20 | |



Mearns Consulting LLCProject:Town Center Northwest738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Notes and Definitions

S-07 Surrogate recovery outside of control limits due to coelution with high levels of petroleum hydrocarbons.

S-03 Surrogate diluted out.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

A

SIERRA ANALYTICAL

CHAIN OF CUSTODY RECORD

13 Date: 7 / 12 / 21

Page: 1 8 of 5

TEL: 949 • 348 • 9389

FAX: 949 • 348 • 9115

26052 Merit Circle • Suite 104 • Leonna Hills, CA • 92653

ah Work Order No.:

2001198

| Client: MEARNS (DNSULTING COP) Client Project ID: Analyses Requested | | | | | | | | | | | | | | | | | | | |
|--|--|--------------|-----------------------|----------|------------------|---------------------------------------|-------------|---|----------------|------------|-----------|----------|---|------------|-----------------------|-----------|------------|------------|---|
| Client Address: 738 ASHLAN | | | | | ient rroject LO: | • | | | 8 | | | ZUS1) | 363 1 | cequ | ested | · | 1 | i" | 1 |
| | | | | | | | | ئے ا | Ħ | | | | | j | | ļ | | | Geotracker EDD Info: |
| SANTA MONICA (| CA 904 | 05 | | | ,: | *1 | _ | | | | | | (C) | Į | j | | | | |
| | | | | | Town Cen | rap No | 4HWEST | غ بر بر | 3 | 1 | i | | 5035B | • | | ł | | | |
| | | | | Tun | n Around | Immediate | 24 Hour | - 11 | 1 | ا م | | | ~ | | | | | | Client LOGCODE |
| Client Tel. No.: 310 403 | 921 | | | Tim | n Danuariadi | | 72 Hour | A ACTA | 釒 | SOUTE | 8015B | 8015B | 82bo B | 827cx | | i | | | |
| CP Prov. No. | ` | · | | | 1 | 3 | શ્ચિ | જી | 8 | -३। | 78 | į | | | | | | | |
| Client Proj. Mgr.: SUSAN L | MEADAYS ! | (II) | | | Day Day | | | | | | _, | ۵ | 23 | - | | | | | Site Global ID |
| Chent Proj. Mgr.: 20444 2 5 | VID (1-12) | 117 <i>V</i> | | | | Normal | Mobile | - 11 | , i | CIJ-CI2 | C13. C12 | Сho | | 3 | | | | | |
| CN + C 1 - VD | Sierra | _ | A 71 | | | Containe | r No. of | - \ • F | 4 | <u>ن</u> | 3. (| (y) | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | SVOG | ļ | | | i i | |
| Client Sample ID. | No. | Pate | Time | Matrix | Preservative | Type | Container | * | - 3 | 5 | Ü | 5 | ⋽ | S | ļ | l | | | Field Point Names / Comments |
| SV6-5 | Ø | 7-12-21 | 6735 | SOIL | PRERV | YOU VI | 54 1/4 K | У | × | × | × | | × | X | | | | | |
| 5V610 | 02 | 1 | 6744 | 1 | | | j | × | X | × | X | χ | X | X | | | | | |
| SV6-15 | ഖ | | 0751 | | | | | <u> </u> | + | × | × | × | X | Х | | | | | |
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| sva·15 | 96 | <u> </u> | 0830 | | | | | <u> </u> × | | ٨ | | X | | × | | | | | j |
| SV 8.5 | 07 | | 0856 | | | | | <u> </u> | X | Χ | × | X | X | X | | | | | |
| 2/8/10 | <i>9</i> 8_ | | 0 858 | | | | | | (<u>X</u> | X | × | X | <u> </u> | Х | | | | | |
| SV8-15 | 09 | | 0906 | | | | | X | × | × | × | × | X | × | | | | | |
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| The cart | 700g | 1 | Shipped Vis: | AND PELI | VERED | | | | - - | | | Total | Numb | er of (| Containe | rs Subi | nitted to | , | Sample Disposal: |
| "SHEAR LANGARANG PHD "SC | av:a" <u> </u> | isan | (Carrior/Weybill No.) | | <u> </u> | | | | | | | Labor | atory | | | | | | Return to Client |
| Refisquished By: Al Fay | an | Zlist | Z Decirco Br. | 12 | -1 | | 7/13/2 | The | - | _ | | | | | of custody | | | | Lab Disposal - |
| 777 | | 120 | 7 | 52 2m | ~ | | 170 | Cos | ıditləns, ı | ales of | nerwise : | agreed (| Hon (a) л | sritting b | etween SIE | RRA an | d CLIENT | . [| <u> </u> |
| Company: | ·-··· | me e | Соворнану: | | <u> </u> | · · · · · · · · · · · · · · · · · · · | Time: 7 70 | - | Samples | determi | red to be | hazard | ous by S | IERRA | wW bo retu | rned to t | CLIENT. | | |
| Relateuished By. | | Date: | Received By: | | | | Date: | | | | | Tota | l Num | ber of | Contain | ers Re | eived b | у | Other |
| Companys | | Time: | Сопірвиу. | | | | Time: | | | | | | ratory | | | | | | |
| | ······································ | | | | | | | FOR | i Alien | TORY U | 9R ONL | Y Bray | ls fleedy | rt Coadji | lòns; Chilici - Te | | | o | |
| Relanguation By: | | Dete: | Reotaved By: | | | | Date: | 2.600,000 | * C `A ^. | Frank 65.5 | | | | | Chilled - Te | np (°C) | . | 2 | |
| Социралу: | | Time: | Сопряду: | | | | Time: | _ _ | Sample | Séels | | | | ta i | Preservative | - Yerif | a1 87 . (| V | Z |
| Special Instructions: | | | | | | | | | Properi | | | | | Д, | | | | | |
| | | | | | | | | - 15 A | Properi | y Labello | | | | | Other | | ترسم ويهد | | |
| | | | | | | | | = | Approp | rinte San | ple Con | arret | | D | Storage Loca | tion (| 25 | By | : 50a\ |
| ¥ev: 129321 | | | | | | | | R-/T | 0,450 | 228/02 | 11899 () | -000 | <u> </u> | . Y Y. | DISTRIBUTE | N White | Yo Acommun | Samples Ye | place - Laborator: Copy, Polit - Picks Personnel Copy |

CHAIN OF CUSTODY RECORD

TEL: 949 • 348 • 9389

FAX: 949 • 348 • 9115

Date: 7 / 13 / 21 Page: 2 of 5

Lab Work Order No.: 2107199 26052 Merit Circle • Suite 104 • Laguna Hills, CA • 92653 CHEAT: MEARNS CONSULTING COPP Client Project ID: Analyses Requested Client Address: 738 ASHLAND AVE Geotracker EDD Info: STIMAL MONICA CA 96405 925g TOWN CONTER NORTHWEST Client LOGCODE Immediate 24 Hour 4 9 Client Tel. No.: 310 403 1921 Time Requested: 8015 48 Hour 72 Hour Client Fax. No.: 4 Day Day 5 Day Site Global ID Client Proj. Mgr.: ☐ Mobile Normal Cq. Cl2 No. of Container Sierra Client Sample 1D. Date Time Preservative Matrix Containers Field Point Names / No. Type Comments Acetate Guv 146 Х SV9.10 501L X 6972 7-13-21 VOA VIACE PRSRAI SV9-15 12 X 0924 х ß X SV10.5 0932 SVID . 10 0936 X, SV10-15 15 X х 0952 SVII-5 1016 Х SVII-10 T 1020 5111-15 W) 1026 X SV12.5 × 1049 SV12-10 1058 Shippoul Vas: HEXLID DELIVERED Total Number of Containers Submitted to Sample Disposal: Laboratory Return to Client (Carrier/Waybill No.) The delivery of samples and the signature on this chain of curtody form constitutes 7/13/21 Lab Disposal * authorization to perform the analyses specified above under SIRRA's Terms and Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT. 515 rens 1707 * - Samples determined to be hazardoos by SIERRA will be returned to CLIENT. 3 Total Number of Containers Received by Relinquished H Laboratory FOR LANGUATORY USE ONLY - Sample Receipt Combinate: 0 Relinquished By Treservatives - Vended By (TO Sample Seals Special Instructions: Rev: 120321

CHAIN OF CUSTODY RECORD

TEL: 949 • 348 • 9389 FAX: 949 • 348 • 9115 Date: 4/13/21 Page: 3 of 5

| 26052 Merit Circl | e • Suite 1 | 04 • Lagui | na Hills, CA | • 92653 | | | | | | | | | I | ab Wor | rk Orde | r No.: | _3 | to | <u> </u> |
|------------------------------|-------------|------------|-----------------------|-------------|--|--------------|---------------|-----------------|-------------|----------------|-----------|---------------|---------------|--------------------------|-------------|-------------|--|----------------|---|
| Client: MEARAS CONSULTING | Coop | | | CL | ent Project ID: | | | | | | A | nalvs | es R | leques | sted | • | | | |
| Client Address: 738 ASHLAA | | JE. | | | • | | | | | | | | | - T | | T | Ţ | | Geotracker EDD lafo: |
| SANTA MONICA | | 0405 | | | | | | 🖇 | | Ì | | | | | | | | | Geografic EDD 1810, |
| | <u> </u> | 0402 | | | town Conti | as Nobr | 24West | | i | | | | 12 | | | ł | | | |
| | | | | | | | | oco/ Face | | | | ~ | 2828 | | | | | | Client LOGCODE |
| Client Tel. No.: 310 403 192 | | | | | Pa . 1 | | 24 Hour | -2 | | 80 | 9 B | 10 | $\overline{}$ | J | • | | İ | | |
| | <u>·/</u> | | | | | | 72 Hour | 3 | | 8015 B | Sois B | \$€ | 87PP B | 827oc | | | | | |
| Client Fag. No.: | 115.0 | s PHD | | | ا ا | | 3 Day | 1 | | | | | 27 | 8 | | | - | | |
| Client Proj. Mgr.: SUGAN L | MEARN | s thu | | L | X | Normal) | Mobile | METALS | | =4 | 42. Ch | <u> </u> | - 1 | | | | | | Site Global ID |
| Client Famula ID | Sierra | D-4- | 707 | 35.44 | | Container | No. of | 12 | چ چ | 442 | ٦ | (23) | 200 | 5N04 | | | | | |
| Client Sample ID. | No. | Date | Time | Matrix | Preservative | Туре | Containers | ≒ | 3 | 2 | اخ | 2 | > | 3 | | | | | Field Point Names / Comments |
| SV12-15 | 21 | 7-13-21 | 1107 | 501L | PRSRV | VOD VIA | W /4 | Х | X | X | X | X | X | х | | | | | |
| SV13-5 | 22, | | 1126 | 1 | 1 | | 1 | X | X | X | X | Х | X | X | | | | | |
| SV13-10 | 23 | | 1131 | | | | | X | X | X. | X | X | X | X | | | | | |
| SV13 · 15 | 24 | | 1138 | | | | | Х | x | \times | x | X | X | X | | | <u> </u> | | |
| 574.75 | 25 | | 1249 | | | | | X | × | | x | X | X | × | | | | | |
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| 5415-10 | 29 | 1 | 1323 | 1 | | 7 | 1 1, | X | X | 対 | X | X | | x | - | 1 | | | |
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| SKAN LANGARNE, 14D SCI | 41 | 19011 | (Carrier/Waybill No.) | and red | VERAD | | | | | | | aborat | | r of Co | ntainer | s Suom | itteg ic | ' | Sample Disposal: Return to Client |
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CHAIN OF CUSTODY RECORD

| Date: | ב | , | 13 | į | 21 | |
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| Date: | 7 | | ., | • | -1 | |

TEL: 949 • 348 • 9389 FAX: 949 • 348 • 9115

| 6052 Merit Circle | Suite 104 | · Laguna Hills, | CA • 92653 |
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Lah Work Order No.: 21071098

| Client: MEARN'S CONSULTING COPP Client Project ID: Analyses Requested | | | | | | | | | | | | | | | | | | | |
|---|---------------|----------------|-----------------------|-------------|--------------|-------------------------|----------------------|----------|---------------------|----------|----------|-------------|-------------|----------|-----------------------------|----------------------|--------------|-------------|--|
| Client Address: 738 ASHLAN | D AVE | | | | | | | 400 | | | | | | | | | | | Geotracker EDD Info: |
| SANTA MONKA | | 10405 | | | | _1 | | | | | | | 40 | | | | | | |
| | | | | | TOWN GA | ITER NOT | HHWEST | PODO: | | | | | 50358 | | | | | | |
| | | | | | | Immediate C | 24 Hour | 1 1 | | ~ | 24 | 8 | 2 | | | | | | Client LOGCODE |
| Client Tel. No.: 310 463 1921 | | | | Tim | e Requested: | 148 Hour [| 72 Hour | METALS | | 8015B | Solf B | 8015 | ď | 1270C | | | | | |
| Client Fax. No.: | 1 | -0- | | | | | | | | ζç | 8 | | 8266 B | 23 | | | | | |
| Client Proj. Mgr.: SUGAN | MEARNS | KHD | | L | - K | Normal) | Mobile | | | 7 | (12 | \$ | •∞ | _ | | | | | Site Global ID |
| Client Sample 1D. | Sierra No. | Date | Time | Matrix | Preservative | Container Type | No. of Containers | 12 | ₹ 3 | C4·Ω2 | (43· (| (13 · (| 48% | 5/10/2 | | | | | Field Point Names / Comments |
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| 546.60 | 32 | 1 | 1357 |] | | | 1 | X | × | X | λ | X | X | λ | | | | | |
| 5416-15 | 33 | | 140D | | | | | X | Х | X | Х | X | X | X | | | | | |
| SVI7-5 | 34 | | 1444 | | | | | X | × | X | Ϋ́ | × | Х | X | | | | | |
| SV17-lo | 3 50 | | 1448 | | | | | X | X | X | Χ | Х | X | X | | | | | |
| 5417-15 | 36 | | 1453 | | | | | X | X | χ | X | × | χ | X | | | | | |
| SV18-5 | 31 | | 1519 | | | | | X | X | X | × | Х | X | X | | | | | |
| SV18/10 | 38 | | 1525 | | | | | Х | × | X | X | × | X | Х | | | | | |
| SV18/15 | 34 | | 1529 | | | | | χ | × | Υ | × | × | × | X | | | | | |
| SV19-5 | 40 | | 1549 | V | V | 4 | V | λ | x | X | Χ | X | Y | X | | | | | |
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| Relinquisted BX QUI - Tage | m | <i>II</i> 3/2 | Received By: | 40 | <u> </u> | | 7/13/21 | nutilvos | ization I | o perío | rm the i | ınalyses | specifies | i above | a of curtody under SIER | RA's Te | rms and | | Lab Disposal • |
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| 3 Refraqueshed Dy: | | Date: | Received By: | | | | Dete; | | | | | Tota | Num | ber of | f Contain | ers Re | eived by | . | Other |
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| A Rebisquished fly: | | Date: | Received By: | | | | | FORT | ABONA' | ORY U | SE ON! | Y - Бигар | la Roceig | a Consti | fens: Chilled : Te | - rom | Ğ, | Ö | |
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| Rw. 120321 | | | | | | | | H DAV | 3/36/13 | | | <u> </u> | (1 to 3) of | 4.3,7407 | | | To Accompany | angles, Yel | low - Laboretury Copy, Pink - Field Personnel Copy |

CHAIN OF CUSTODY RECORD

TEL: 949 • 348 • 9389 FAX: 949 • 348 • 9115

Date: 7 / 13 / 21 Page: 5 of 5

| 26052 Merit Circle | | | | | | | | Lab W | ork O | rder N | D.; , | | ĮΩ | (69) | | | | | | |
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| Client: MEARNS CONSULTIN | h Copp | • | | Cli | ent Project ID: | · | | | | | - | \nai | vses l | Reque | ested | [| | | | |
| Client Address: 738 ASH | IAND | Ave | | | • | | | 3 | - | | | | | | | | | ····] | | Control PDD Inte |
| SANTA MON | | | .60- | | | | | 100 | 1 | | | | | 1 | | | | | | Geotracker EDD Info: |
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| Client Tel. No.: 310 403 19 | 21 | | | Time | Requested: | 48 Hour | 72 Hour | Metals | | SOUS B | BOUF B | 8015B | Siles B | 52700 | - 1 | | | | | |
| Client Fax. No.: | | _ | | | . [| 4 Day | 3 Day | 1 4 | İ | ∞ | | 82 | 8 | 8 | - | İ | | | | |
| Client Proj. Mgr.; SISAN L | <i>learns</i> | PUD | | | | \ | Mobile | 😤 | ' | વ | બ | उ | 20 | | | | Ì | | | Site Global ID |
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| Client Sample ID, | Sierra | Date | Time | Matrix | Preservative | Container | No. of |] ₹ | (R. tt | 4 | 2 | Ü | ğ | 2002 | 1 | | | | | |
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| MEARNS 14D 5 | CUT I FO | again | (Carries/Waybill No.) | | | | | | | | - 1 | Labora | atory | | | | | | - 10 | Return to Client |
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APPENDIX B

Jones Environmental Inc. Soil Vapor Analytical Results July 27 & 28, 2021



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

JONES ENVIRONMENTAL LABORATORY RESULTS

Mearns Consulting Group Report date: **Client:**

738 Ashland Avenue, Jones Ref. No.: E-1172

Santa Monica CA 90405

Susan L Mearns PhD Attn: Date Sampled: 7/27/2021

> **Date Received:** 7/27/2021 7/27/2021 Date Analyzed:

7/27/2021

Town Center Northwest **Project: Project Address:**

2690 Walnut Ave **Physical State:** Soil Gas

Signal Hill, CA

ANALYSES REQUESTED

Client Address:

1. EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sampling - Soil Gas samples were collected in glass gas-tight syringes equipped with Teflon plungers.

A tracer gas mixture of n-pentane, n-hexane, and n-heptane was placed at the tubing-surface interface before sampling. These compounds were analyzed during the 8260B analytical run to determine if there were surface leaks into the subsurface due to improper installation of the probe. No tracer was detected in any of the samples reported herein.

The sampling rate was approximately 200 cc/min, except when noted differently on the chain of custody record, using a glass gas-tight syringe. Purging was completed using a pump set at approximately 200 cc/min, except when noted differently on the chain of custody record. A default of 3 purge volumes was used as recommended by July 2015 DTSC/RWOCB guidance documents.

Prior to purging and sampling of soil gas at each point, a shut-in test was conducted to check for leaks in the above ground fittings. The shut-in test was performed on the above ground apparatus by evacuating the line to a vacuum of 100 inches of water, sealing the entire system and watching the vacuum for at least one minute. A vacuum gauge attached in parallel to the apparatus measured the vacuum. If there was any observable loss of vacuum, the fittings were adjusted as needed until the vacuum did not change noticeably. The soil gas sample was then taken.

No flow conditions occur when a sampling rate greater than 10 mL/min cannot be maintained without applying a vacuum greater than 100 inches of water to the sampling train. The sampling train is left at a vacuum for no less than three minutes. If the vacuum does not subside appreciably after three minutes, the sample location is determined to be a no flow sample.

Analytical - Soil Gas samples were analyzed using EPA Method 8260 that includes extra compounds required by DTSC/RWQCB (such as Freon 113). Instrument Continuing Calibration Verification, QC Reference Standards, Instrument Blanks and Sampling Blanks were analyzed every 12 hours as prescribed by the method. In addition, a Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) were analyzed with each batch of Soil Gas samples. A duplicate/replicate sample was analyzed each day of the sampling activity. All samples were injected into the GC/MS system within 30 minutes of collection.

Approval:

Mobile Lab Manager

714-449-9937 562-646-1611 11007 FOREST PLACE SANTA FE SPRINGS, CA 90670 WWW.JONESENV.COM

Report date:

Jones Ref. No.:

Date Sampled:

Date Received:

Date Analyzed:

Physical State:

7/27/2021

7/27/2021

7/27/2021

7/27/2021

Soil Gas

E-1172

JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Mearns Consulting Group
Client Address: 738 Ashland Avenue,

Santa Monica CA 90405

Attn: Susan L Mearns PhD

Project: Town Center Northwest

Project Address: 2690 Walnut Ave

Signal Hill, CA

EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

| Sample ID: | SV1-5' | SV1-15' | SV2-5' | SV2-15' | SV2-15' REP | | |
|-----------------------------|-----------|-----------|-----------|-----------|----------------|-----------------|--------------|
| Jones ID: | E-1172-01 | E-1172-02 | E-1172-03 | E-1172-04 | E-1172-05 | Reporting Limit | <u>Units</u> |
| Analytes: | | | | | | | |
| Benzene | ND | 13 | ND | ND | ND | 8 | $\mu g/m3$ |
| Bromobenzene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Bromodichloromethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Bromoform | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| n-Butylbenzene | ND | ND | ND | ND | ND | 12 | μg/m3 |
| sec-Butylbenzene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| tert-Butylbenzene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| Carbon tetrachloride | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Chlorobenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Chloroform | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 2-Chlorotoluene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| 4-Chlorotoluene | ND | ND | ND | ND | ND | 12 | μg/m3 |
| Dibromochloromethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dibromo-3-chloropropane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dibromoethane (EDB) | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Dibromomethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2- Dichlorobenzene | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| 1,3-Dichlorobenzene | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| 1,4-Dichlorobenzene | ND | ND | ND | ND | ND | 16 | μg/m3 |
| Dichlorodifluoromethane | ND | ND | ND | ND | ND | 32 | μg/m3 |
| 1,1-Dichloroethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2-Dichloroethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,1-Dichloroethene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| cis-1,2-Dichloroethene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| trans-1,2-Dichloroethene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2-Dichloropropane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,3-Dichloropropane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 2,2-Dichloropropane | ND | ND | ND | ND | ND | 16 | μg/m3 |
| 1,1-Dichloropropene | ND | ND | ND | ND | ND | 10 | μg/m3 |

| EPA 8260B – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics | | | | | | | | | | | | |
|---|---------------------------------|-----------|-----------|------------|----------------|-----------------|--------------|--|--|--|--|--|
| Sample ID: | SV1-5' | SV1-15' | SV2-5' | SV2-15' | SV2-15' REP | | | | | | | |
| Jones ID: | E-1172-01 | E-1172-02 | E-1172-03 | E-1172-04 | E-1172-05 | Reporting Limit | <u>Units</u> | | | | | |
| Analytes: | N.D. | N.D. | N.I.D. | ND |) ID | 0 | , 2 | | | | | |
| cis-1,3-Dichloropropene | ND | ND | ND | ND | ND | 8 | μg/m3 | | | | | |
| trans-1,3-Dichloropropene | ND | ND | ND | ND | ND | 8 | μg/m3 | | | | | |
| Ethylbenzene | ND | ND | ND | ND | ND | 8 | μg/m3 | | | | | |
| Freon 113 | ND | ND | ND | ND | ND | 16 | μg/m3 | | | | | |
| Hexachlorobutadiene | ND | ND | ND | ND | ND | 24 | μg/m3 | | | | | |
| Isopropylbenzene | ND | 57 | ND | ND | ND | 8 | μg/m3 | | | | | |
| 4-Isopropyltoluene | ND | 321 | ND | ND | ND | 8 | μg/m3 | | | | | |
| Methylene chloride | ND | 20 ND | ND | 17 ND | 26 | 8 | μg/m3 | | | | | |
| Naphthalene | ND | ND | ND | ND | ND | 40 | μg/m3 | | | | | |
| n-Propylbenzene | ND | ND | ND | ND | ND | 8 | μg/m3 | | | | | |
| Styrene | ND | ND | ND | ND | ND | 8 | μg/m3 | | | | | |
| 1,1,2-Tetrachloroethane | ND | ND | ND | ND | ND | 8 | μg/m3 | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | ND | ND | ND | ND | 16 | μg/m3 | | | | | |
| Tetrachloroethene | ND | ND | ND | ND | ND | 8 | μg/m3 | | | | | |
| Toluene | ND | 16 | ND | ND | ND | 8 | μg/m3 | | | | | |
| 1,2,3-Trichlorobenzene | ND | ND | ND | ND | ND | 16 | μg/m3 | | | | | |
| 1,2,4-Trichlorobenzene | ND | ND | ND | ND | ND | 16 | μg/m3 | | | | | |
| 1,1,1-Trichloroethane | ND | ND | ND | ND | ND | 8 | μg/m3 | | | | | |
| 1,1,2-Trichloroethane | ND | ND | ND | ND | ND | 8 | μg/m3 | | | | | |
| Trichloroethene | ND | ND | ND | ND | ND | 8 | μg/m3 | | | | | |
| Trichlorofluoromethane | ND | ND | ND | ND | ND | 32 | μg/m3 | | | | | |
| 1,2,3-Trichloropropane | ND ND | ND ND | ND ND | ND ND | ND ND | 8 | μg/m3 | | | | | |
| 1,2,4-Trimethylbenzene | | | | | | 8 | μg/m3 | | | | | |
| 1,3,5-Trimethylbenzene | ND ND | ND ND | ND ND | ND ND | ND ND | 8 | μg/m3 | | | | | |
| Vinyl chloride | | | | | | 8 | μg/m3 | | | | | |
| m,p-Xylene | ND ND | ND ND | ND ND | ND ND | ND ND | 16 | μg/m3 | | | | | |
| o-Xylene | | ND ND | | | | 8 | μg/m3 | | | | | |
| MTBE | ND | ND | ND | ND | ND | 40 | μg/m3 | | | | | |
| Ethyl-tert-butylether | ND ND | ND ND | ND ND | ND ND | ND ND | 40 40 | μg/m3 | | | | | |
| Di-isopropylether | ND ND | ND ND | ND ND | ND ND | ND ND | 40 | μg/m3 | | | | | |
| tert-amylmethylether | ND ND | ND ND | | | | | μg/m3 | | | | | |
| tert-Butylalcohol | | | ND | ND | ND | 400 | μg/m3 | | | | | |
| Gasoline Range Organics (C4-C12) | ND | 25000 | ND | ND | ND | 2000 | μg/m3 | | | | | |
| Tracer: | ND | NID | NID | ND | NID | 00 | / 2 | | | | | |
| n-Pentane | ND | ND | ND | ND | ND | 80 | μg/m3 | | | | | |
| n-Hexane | ND | ND | ND | ND | ND | 80 | μg/m3 | | | | | |
| n-Heptane | ND | ND | ND | ND | ND | 80 | μg/m3 | | | | | |
| Dilution Factor | 1 | 1 | 1 | 1 | 1 | | | | | | | |
| Surrogate Recoveries: | Surrogate Recoveries: QC Limits | | | | | | | | | | | |
| Dibromofluoromethane | 104% | 101% | 102% | 101% | 100% | 60 - 140 | | | | | | |
| Toluene-d ₈ | 94% | 95% | 94% | 92% | 93% | 60 - 140 | | | | | | |
| 4-Bromofluorobenzene | 94% | 97% | 94% | 92% | 92% | 60 - 140 | | | | | | |
| Batch ID: | E3-072721- | | | E3-072721- | | | | | | | | |
| Davii ID. | 01 | 01 | 01 | 01 | 01 | | | | | | | |

11007 FOREST PLACE 714-449-9937 SANTA FE SPRINGS, CA 90670 562-646-1611 WWW.JONESENV.COM

JONES ENVIRONMENTAL LABORATORY RESULTS

Mearns Consulting Group Report date: **Client:** 738 Ashland Avenue, Jones Ref. No.: **Client Address:**

SV3-15'

Santa Monica CA 90405

Susan L Mearns PhD Attn: **Date Sampled:** 7/27/2021

> **Date Received:** 7/27/2021 7/27/2021 Date Analyzed:

7/27/2021

E-1172

Town Center Northwest **Project:** 2690 Walnut Ave **Physical State:** Soil Gas **Project Address:**

Signal Hill, CA

SV3-5'

Sample ID:

EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

SV4-15'

SV5-5'

SV4-5'

Jones ID: E-1172-06 E-1172-07 E-1172-08 E-1172-09 E-1172-10 **Reporting Limit Units Analytes:** Benzene ND ND ND ND ND 8 $\mu g/m3$ 8 ND ND ND ND ND Bromobenzene $\mu g/m3$ 8 Bromodichloromethane ND ND ND ND ND $\mu g/m3$ Bromoform ND ND ND ND ND 8 $\mu g/m3$ 12 n-Butylbenzene ND ND ND ND ND $\mu g/m3$ sec-Butylbenzene ND ND ND ND ND 12 $\mu g/m3$ tert-Butylbenzene 12 ND ND ND ND ND μg/m3 Carbon tetrachloride ND ND ND ND ND 8 $\mu g/m3$ 8 Chlorobenzene ND ND ND ND ND $\mu g/m3$ ND ND 8 Chloroform ND ND ND $\mu g/m3$ 2-Chlorotoluene ND ND ND ND ND 12 $\mu g/m3$ ND ND 12 4-Chlorotoluene ND ND ND $\mu g/m3$ 8 Dibromochloromethane ND ND ND ND ND μg/m3 8 1,2-Dibromo-3-chloropropane ND ND ND ND ND $\mu g/m3$ 1,2-Dibromoethane (EDB) ND ND ND ND ND 8 $\mu g/m3$ 8 Dibromomethane ND ND ND ND ND $\mu g/m3$ 1.2- Dichlorobenzene ND ND ND ND ND 16 $\mu g/m3$ 1,3-Dichlorobenzene ND ND ND ND ND 16 $\mu g/m3$ 1,4-Dichlorobenzene ND ND ND ND ND 16 $\mu g/m3$ Dichlorodifluoromethane ND ND ND 32 ND ND $\mu g/m3$ 8 1,1-Dichloroethane ND ND ND ND ND $\mu g/m3$ 8 1,2-Dichloroethane ND ND ND ND ND $\mu g/m3$ ND ND ND ND ND 8 1.1-Dichloroethene $\mu g/m3$ 8 ND ND ND ND ND cis-1,2-Dichloroethene $\mu g/m3$ 8 trans-1,2-Dichloroethene ND ND ND ND ND $\mu g/m3$ 8 1,2-Dichloropropane ND ND ND ND ND $\mu g/m3$ 8 1,3-Dichloropropane ND ND ND ND ND $\mu g/m3$ ND ND ND ND ND 16 $\mu g/m3$ 2,2-Dichloropropane 1,1-Dichloropropene ND ND ND ND ND 10 $\mu g/m3$

| EPA 8260B - V | Volatile Organics by | GC/MS + Oxygenates/ | Gasoline Range Organics |
|---------------|----------------------|---------------------|-------------------------|
|---------------|----------------------|---------------------|-------------------------|

| Sample ID: | SV3-5' | SV3-15' | SV4-5' | SV4-15' | SV5-5' | | |
|----------------------------------|------------|------------|------------|------------|------------|-----------------|--------------|
| Jones ID: | E-1172-06 | E-1172-07 | E-1172-08 | E-1172-09 | E-1172-10 | Reporting Limit | <u>Units</u> |
| Analytes: | | | | | | | |
| cis-1,3-Dichloropropene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| trans-1,3-Dichloropropene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Ethylbenzene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Freon 113 | ND | ND | ND | ND | ND | 16 | μg/m3 |
| Hexachlorobutadiene | ND | ND | ND | ND | ND | 24 | μg/m3 |
| Isopropylbenzene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 4-Isopropyltoluene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Methylene chloride | ND | 8 | ND | ND | ND | 8 | μg/m3 |
| Naphthalene | ND | ND | ND | ND | ND | 40 | μg/m3 |
| n-Propylbenzene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Styrene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,1,1,2-Tetrachloroethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,1,2,2-Tetrachloroethane | ND | ND | ND | ND | ND | 16 | μg/m3 |
| Tetrachloroethene | 18 | 17 | 22 | 12 | ND | 8 | μg/m3 |
| Toluene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2,3-Trichlorobenzene | ND | ND | ND | ND | ND | 16 | μg/m3 |
| 1,2,4-Trichlorobenzene | ND | ND | ND | ND | ND | 16 | μg/m3 |
| 1,1,1-Trichloroethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,1,2-Trichloroethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Trichloroethene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Trichlorofluoromethane | ND | ND | ND | ND | ND | 32 | μg/m3 |
| 1,2,3-Trichloropropane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2,4-Trimethylbenzene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,3,5-Trimethylbenzene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Vinyl chloride | ND | ND | ND | ND | ND | 8 | μg/m3 |
| m,p-Xylene | ND | ND | ND | ND | ND | 16 | μg/m3 |
| o-Xylene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| MTBE | ND | ND | ND | ND | ND | 40 | μg/m3 |
| Ethyl-tert-butylether | ND | ND | ND | ND | ND | 40 | μg/m3 |
| Di-isopropylether | ND | ND | ND | ND | ND | 40 | μg/m3 |
| tert-amylmethylether | ND | ND | ND | ND | ND | 40 | μg/m3 |
| tert-Butylalcohol | ND | ND | ND | ND | ND | 400 | μg/m3 |
| Gasoline Range Organics (C4-C12) | ND | ND | ND | ND | ND | 2000 | $\mu g/m3$ |
| Tracer: | | | | | | | |
| n-Pentane | ND | ND | ND | ND | ND | 80 | μg/m3 |
| n-Hexane | ND | ND | ND | ND | ND | 80 | μg/m3 |
| n-Heptane | ND | ND | ND | ND | ND | 80 | μg/m3 |
| Dilution Factor | 1 | 1 | 1 | 1 | 1 | | |
| Surrogate Recoveries: | | | | | | QC Limi | <u>ts</u> |
| Dibromofluoromethane | 104% | 102% | 104% | 100% | 106% | 60 - 140 | |
| Toluene-d ₈ | 93% | 94% | 93% | 92% | 93% | 60 - 140 | |
| 4-Bromofluorobenzene | 93% | 92% | 94% | 93% | 92% | 60 - 140 | |
| | E3-072721- | E3-072721- | E3-072721- | E3-072721- | E3-072721- | | |
| Batch ID: | 01 | 01 | 01 | 01 | 01 | | |

714-449-9937 11007 FOREST PLACE SANTA FE SPRINGS, CA 90670 WWW.JONESENV.COM

JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Mearns Consulting Group Report date: 7/27/2021
Client Address: 738 Ashland Avenue, Jones Ref. No.: E-1172

Santa Monica CA 90405

Attn: Susan L Mearns PhD Date Sampled: 7/27/2021

Date Received: 7/27/2021 **Date Analyzed:** 7/27/2021

Project:Town Center NorthwestDaProject Address:2690 Walnut AvePh

SV6-5'

Physical State: Soil Gas

Signal Hill, CA

SV5-15'

Sample ID:

EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

SV7-5'

SV7-15'

SV6-15'

| <u></u> | | | | | | | |
|-----------------------------|-----------|-----------|-----------|-----------|-----------|-----------------|--------------|
| Jones ID: | E-1172-11 | E-1172-12 | E-1172-13 | E-1172-14 | E-1172-15 | Reporting Limit | <u>Units</u> |
| Analytes: | | | | | | | |
| Benzene | ND | ND | 243 | ND | 8850 | 8 | $\mu g/m3$ |
| Bromobenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Bromodichloromethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Bromoform | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| n-Butylbenzene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| sec-Butylbenzene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| tert-Butylbenzene | ND | ND | ND | ND | ND | 12 | μg/m3 |
| Carbon tetrachloride | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Chlorobenzene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Chloroform | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 2-Chlorotoluene | ND | ND | ND | ND | ND | 12 | μg/m3 |
| 4-Chlorotoluene | ND | ND | ND | ND | ND | 12 | μg/m3 |
| Dibromochloromethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2-Dibromo-3-chloropropane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2-Dibromoethane (EDB) | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Dibromomethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2- Dichlorobenzene | ND | ND | ND | ND | ND | 16 | μg/m3 |
| 1,3-Dichlorobenzene | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| 1,4-Dichlorobenzene | ND | ND | ND | ND | ND | 16 | μg/m3 |
| Dichlorodifluoromethane | ND | ND | ND | ND | ND | 32 | $\mu g/m3$ |
| 1,1-Dichloroethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dichloroethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,1-Dichloroethene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| cis-1,2-Dichloroethene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| trans-1,2-Dichloroethene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2-Dichloropropane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,3-Dichloropropane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 2,2-Dichloropropane | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| 1,1-Dichloropropene | ND | ND | ND | ND | ND | 10 | $\mu g/m3$ |

| EPA 8260B – Volatile O | Organics by GC/MS | + Oxygenates/Gasoline | Range Organics |
|------------------------|-------------------|-----------------------|----------------|
|------------------------|-------------------|-----------------------|----------------|

| Sample ID: | SV5-15' | SV6-5' | SV6-15' | SV7-5' | SV7-15' | | |
|----------------------------------|------------|------------|------------|------------|------------|-----------------|--------------|
| Jones ID: | E-1172-11 | E-1172-12 | E-1172-13 | E-1172-14 | E-1172-15 | Reporting Limit | <u>Units</u> |
| Analytes: | | | | | | | |
| cis-1,3-Dichloropropene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| trans-1,3-Dichloropropene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Ethylbenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Freon 113 | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| Hexachlorobutadiene | ND | ND | ND | ND | ND | 24 | $\mu g/m3$ |
| Isopropylbenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 4-Isopropyltoluene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Methylene chloride | 9 | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Naphthalene | ND | ND | ND | ND | ND | 40 | $\mu g/m3$ |
| n-Propylbenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Styrene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,1,1,2-Tetrachloroethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,1,2,2-Tetrachloroethane | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| Tetrachloroethene | ND | 17 | 8 | ND | ND | 8 | $\mu g/m3$ |
| Toluene | ND | ND | ND | ND | 4210 | 8 | $\mu g/m3$ |
| 1,2,3-Trichlorobenzene | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| 1,2,4-Trichlorobenzene | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| 1,1,1-Trichloroethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,1,2-Trichloroethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Trichloroethene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Trichlorofluoromethane | ND | ND | ND | ND | ND | 32 | $\mu g/m3$ |
| 1,2,3-Trichloropropane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2,4-Trimethylbenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,3,5-Trimethylbenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Vinyl chloride | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| m,p-Xylene | ND | ND | ND | ND | 799 | 16 | $\mu g/m3$ |
| o-Xylene | ND | ND | ND | ND | 441 | 8 | $\mu g/m3$ |
| MTBE | ND | ND | ND | ND | ND | 40 | $\mu g/m3$ |
| Ethyl-tert-butylether | ND | ND | ND | ND | ND | 40 | $\mu g/m3$ |
| Di-isopropylether | ND | ND | ND | ND | ND | 40 | $\mu g/m3$ |
| tert-amylmethylether | ND | ND | ND | ND | ND | 40 | $\mu g/m3$ |
| tert-Butylalcohol | ND | ND | ND | ND | ND | 400 | μg/m3 |
| Gasoline Range Organics (C4-C12) | ND | ND | 317000 | ND | 46300000 | 2000 | $\mu g/m3$ |
| Tracer: | | | | | | | |
| n-Pentane | ND | ND | ND | ND | ND | 80 | μg/m3 |
| n-Hexane | ND | ND | ND | ND | ND | 80 | μg/m3 |
| n-Heptane | ND | ND | ND | ND | ND | 80 | $\mu g/m3$ |
| Dilution Factor | 1 | 1 | 1 | 1 | 30 | | |
| Surrogate Recoveries: | | | | | | QC Limit | t <u>s</u> |
| Dibromofluoromethane | 102% | 100% | 97% | 100% | 97% | 60 - 140 | |
| Toluene-d ₈ | 95% | 92% | 101% | 93% | 97% | 60 - 140 | |
| 4-Bromofluorobenzene | 94% | 94% | 91% | 93% | 96% | 60 - 140 | |
| | E3-072721- | E3-072721- | E3-072721- | E3-072721- | E3-072721- | | |
| Batch ID: | 01 | 01 | 01 | 01 | 01 | | |

Mearns Consulting Group Report date: 7/27/2021 **Client:** 738 Ashland Avenue, Jones Ref. No.: E-1172 **Client Address:**

Santa Monica CA 90405

Susan L Mearns PhD **Date Sampled:** 7/27/2021 Attn:

> **Date Received:** 7/27/2021 **Date Analyzed:** 7/27/2021

Project: Town Center Northwest **Project Address:** 2690 Walnut Ave **Physical State:** Soil Gas

Signal Hill, CA

EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample ID: SV8-5' SV8-15' SV9-5'

| Jones ID: | E-1172-16 | E-1172-17 | E-1172-18 | Reporting Limit | <u>Units</u> |
|-----------------------------|-----------|-----------|-----------|-----------------|--------------|
| Analytes: | | | | | |
| Benzene | 20 | ND | ND | 8 | $\mu g/m3$ |
| Bromobenzene | ND | ND | ND | 8 | $\mu g/m3$ |
| Bromodichloromethane | ND | ND | ND | 8 | $\mu g/m3$ |
| Bromoform | ND | ND | ND | 8 | $\mu g/m3$ |
| n-Butylbenzene | ND | ND | ND | 12 | $\mu g/m3$ |
| sec-Butylbenzene | ND | ND | ND | 12 | $\mu g/m3$ |
| tert-Butylbenzene | ND | ND | ND | 12 | $\mu g/m3$ |
| Carbon tetrachloride | ND | ND | ND | 8 | $\mu g/m3$ |
| Chlorobenzene | ND | ND | ND | 8 | $\mu g/m3$ |
| Chloroform | ND | ND | ND | 8 | $\mu g/m3$ |
| 2-Chlorotoluene | ND | ND | ND | 12 | $\mu g/m3$ |
| 4-Chlorotoluene | ND | ND | ND | 12 | $\mu g/m3$ |
| Dibromochloromethane | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dibromo-3-chloropropane | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dibromoethane (EDB) | ND | ND | ND | 8 | $\mu g/m3$ |
| Dibromomethane | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2- Dichlorobenzene | ND | ND | ND | 16 | $\mu g/m3$ |
| 1,3-Dichlorobenzene | ND | ND | ND | 16 | $\mu g/m3$ |
| 1,4-Dichlorobenzene | ND | ND | ND | 16 | $\mu g/m3$ |
| Dichlorodifluoromethane | ND | ND | ND | 32 | $\mu g/m3$ |
| 1,1-Dichloroethane | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dichloroethane | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,1-Dichloroethene | ND | ND | ND | 8 | $\mu g/m3$ |
| cis-1,2-Dichloroethene | ND | ND | ND | 8 | $\mu g/m3$ |
| trans-1,2-Dichloroethene | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dichloropropane | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,3-Dichloropropane | ND | ND | ND | 8 | $\mu g/m3$ |
| 2,2-Dichloropropane | ND | ND | ND | 16 | $\mu g/m3$ |
| 1,1-Dichloropropene | ND | ND | ND | 10 | $\mu g/m3$ |

EPA 8260B – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

| Sample ID: | SV8-5' | SV8-15' | SV9-5' | | |
|----------------------------------|------------|------------|------------|---------------------|-------------|
| Jones ID: | E-1172-16 | E-1172-17 | E-1172-18 | Reporting Limit Uni | <u>iits</u> |
| Analytes: | | | | | |
| cis-1,3-Dichloropropene | ND | ND | ND | 8 μg/1 | m3 |
| trans-1,3-Dichloropropene | ND | ND | ND | 8 μg/1 | m3 |
| Ethylbenzene | ND | ND | ND | 8 μg/1 | m3 |
| Freon 113 | ND | ND | ND | 16 μg/1 | m3 |
| Hexachlorobutadiene | ND | ND | ND | 24 μg/1 | m3 |
| Isopropylbenzene | ND | ND | ND | 8 μg/1 | m3 |
| 4-Isopropyltoluene | ND | ND | ND | 8 $\mu g/r$ | m3 |
| Methylene chloride | ND | ND | ND | 8 μg/1 | m3 |
| Naphthalene | ND | ND | ND | 40 μg/1 | m3 |
| n-Propylbenzene | ND | ND | ND | 8 μg/1 | m3 |
| Styrene | ND | ND | ND | 8 μg/1 | m3 |
| 1,1,1,2-Tetrachloroethane | ND | ND | ND | 8 μg/1 | m3 |
| 1,1,2,2-Tetrachloroethane | ND | ND | ND | 16 μg/1 | m3 |
| Tetrachloroethene | 23 | ND | ND | 8 μg/1 | m3 |
| Toluene | 15 | ND | ND | 8 μg/1 | m3 |
| 1,2,3-Trichlorobenzene | ND | ND | ND | 16 μg/1 | m3 |
| 1,2,4-Trichlorobenzene | ND | ND | ND | 16 μg/1 | m3 |
| 1,1,1-Trichloroethane | ND | ND | ND | 8 μg/1 | m3 |
| 1,1,2-Trichloroethane | ND | ND | ND | 8 μg/1 | |
| Trichloroethene | ND | ND | ND | 8 μg/ι | |
| Trichlorofluoromethane | ND | ND | ND | 32 µg/1 | |
| 1,2,3-Trichloropropane | ND | ND | ND | 8 μg/ι | |
| 1,2,4-Trimethylbenzene | ND | ND | ND | 8 μg/ι | |
| 1,3,5-Trimethylbenzene | ND | ND | ND | 8 μg/ι | |
| Vinyl chloride | ND | ND | ND | 8 μg/ι | |
| m,p-Xylene | ND | ND | ND | 16 μg/ι | |
| o-Xylene | ND | ND | ND | 8 μg/ι | |
| MTBE | ND | ND | ND | 40 μg/1 | |
| Ethyl-tert-butylether | ND | ND | ND | 40 μg/1 | |
| Di-isopropylether | ND | ND | ND | 40 μg/1 | |
| tert-amylmethylether | ND | ND | ND | 40 μg/1 | |
| tert-Butylalcohol | ND | ND | ND | 400 μg/1 | |
| Gasoline Range Organics (C4-C12) | ND | ND | ND | 2000 μg/1 | m3 |
| Tracer: | | | | | |
| n-Pentane | ND | ND | ND | 80 μg/1 | m3 |
| n-Hexane | ND | ND | ND | 80 μg/1 | |
| n-Heptane | ND | ND | ND | 80 μg/1 | |
| Dilution Factor | 1 | 1 | 1 | | |
| Surrogate Recoveries: | | | | OC Limits | |
| Dibromofluoromethane | 95% | 96% | 95% | 60 - 140 | |
| Toluene-d ₈ | 94% | 92% | 93% | 60 - 140 | |
| 4-Bromofluorobenzene | 95% | 96% | 94% | 60 - 140 | |
| Dotah ID. | E3-072721- | E3-072721- | E3-072721- | | |
| Batch ID: | 01 | 01 | 01 | | |

ND = Value below reporting limit

714-449-9937 562-646-1611 11007 FOREST PLACE SANTA FE SPRINGS, CA 90670 WWW.JONESENV.COM

JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client: Mearns Consulting Group Report date: 7/27/2021
Client Address: 738 Ashland Avenue, Jones Ref. No.: E-1172

Santa Monica CA 90405

Attn: Susan L Mearns PhD Date Sampled: 7/27/2021

Date Received: 7/27/2021 **Date Analyzed:** 7/27/2021

Project:Town Center NorthwestDate Analyzed:7/27/2021Project Address:2690 Walnut AvePhysical State:Soil Gas

Signal Hill, CA

EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

| Sample ID: | METHOD BLANK | SAMPLING BLANK | | |
|-----------------------------|------------------|-------------------|-----------------|--------------|
| Jones ID: | 072721- E3MB1 | 072721- E3SB1 | Reporting Limit | <u>Units</u> |
| Analytes: | | | | |
| Benzene | ND | ND | 8 | $\mu g/m3$ |
| Bromobenzene | ND | ND | 8 | $\mu g/m3$ |
| Bromodichloromethane | ND | ND | 8 | $\mu g/m3$ |
| Bromoform | ND | ND | 8 | $\mu g/m3$ |
| n-Butylbenzene | ND | ND | 12 | $\mu g/m3$ |
| sec-Butylbenzene | ND | ND | 12 | $\mu g/m3$ |
| tert-Butylbenzene | ND | ND | 12 | $\mu g/m3$ |
| Carbon tetrachloride | ND | ND | 8 | $\mu g/m3$ |
| Chlorobenzene | ND | ND | 8 | $\mu g/m3$ |
| Chloroform | ND | ND | 8 | $\mu g/m3$ |
| 2-Chlorotoluene | ND | ND | 12 | $\mu g/m3$ |
| 4-Chlorotoluene | ND | ND | 12 | $\mu g/m3$ |
| Dibromochloromethane | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dibromo-3-chloropropane | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dibromoethane (EDB) | ND | ND | 8 | $\mu g/m3$ |
| Dibromomethane | ND | ND | 8 | $\mu g/m3$ |
| 1,2- Dichlorobenzene | ND | ND | 16 | $\mu g/m3$ |
| 1,3-Dichlorobenzene | ND | ND | 16 | $\mu g/m3$ |
| 1,4-Dichlorobenzene | ND | ND | 16 | $\mu g/m3$ |
| Dichlorodifluoromethane | ND | ND | 32 | $\mu g/m3$ |
| 1,1-Dichloroethane | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dichloroethane | ND | ND | 8 | $\mu g/m3$ |
| 1,1-Dichloroethene | ND | ND | 8 | $\mu g/m3$ |
| cis-1,2-Dichloroethene | ND | ND | 8 | $\mu g/m3$ |
| trans-1,2-Dichloroethene | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dichloropropane | ND | ND | 8 | μg/m3 |
| 1,3-Dichloropropane | ND | ND | 8 | μg/m3 |
| 2,2-Dichloropropane | ND | ND | 16 | $\mu g/m3$ |
| 1,1-Dichloropropene | ND | ND | 10 | $\mu g/m3$ |

JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

EPA 8260B – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

| Sample ID: | METHOD BLANK | SAMPLING BLANK | | |
|----------------------------------|------------------|-------------------|-------------------|-------------|
| Jones ID: | 072721- E3MB1 | 072721- E3SB1 | Reporting Limit U | <u>nits</u> |
| Analytes: | | | | |
| cis-1,3-Dichloropropene | ND | ND | | g/m3 |
| trans-1,3-Dichloropropene | ND | ND | 8 μg | g/m3 |
| Ethylbenzene | ND | ND | | g/m3 |
| Freon 113 | ND | ND | 16 μg | g/m3 |
| Hexachlorobutadiene | ND | ND | | g/m3 |
| Isopropylbenzene | ND | ND | | g/m3 |
| 4-Isopropyltoluene | ND | ND | | g/m3 |
| Methylene chloride | ND | ND | | g/m3 |
| Naphthalene | ND | ND | | g/m3 |
| n-Propylbenzene | ND | ND | | g/m3 |
| Styrene | ND | ND | | g/m3 |
| 1,1,1,2-Tetrachloroethane | ND | ND | | g/m3 |
| 1,1,2,2-Tetrachloroethane | ND | ND | 16 μg | g/m3 |
| Tetrachloroethene | ND | ND | | g/m3 |
| Toluene | ND | ND | 8 μg | g/m3 |
| 1,2,3-Trichlorobenzene | ND | ND | 16 μg | g/m3 |
| 1,2,4-Trichlorobenzene | ND | ND | | g/m3 |
| 1,1,1-Trichloroethane | ND | ND | | g/m3 |
| 1,1,2-Trichloroethane | ND | ND | | g/m3 |
| Trichloroethene | ND | ND | | g/m3 |
| Trichlorofluoromethane | ND | ND | | g/m3 |
| 1,2,3-Trichloropropane | ND | ND | | g/m3 |
| 1,2,4-Trimethylbenzene | ND | ND | | g/m3 |
| 1,3,5-Trimethylbenzene | ND | ND | 8 μg | g/m3 |
| Vinyl chloride | ND | ND | 8 μg | g/m3 |
| m,p-Xylene | ND | ND | 16 μg | g/m3 |
| o-Xylene | ND | ND | | g/m3 |
| MTBE | ND | ND | 40 μ g | g/m3 |
| Ethyl-tert-butylether | ND | ND | 40 μ g | g/m3 |
| Di-isopropylether | ND | ND | 40 μ g | g/m3 |
| tert-amylmethylether | ND | ND | 40 μ g | g/m3 |
| tert-Butylalcohol | ND | ND | 400 μg | g/m3 |
| Gasoline Range Organics (C4-C12) | ND | ND | 2000 μg | g/m3 |
| Tracer: | | | | |
| n-Pentane | ND | ND | 80 μg | g/m3 |
| n-Hexane | ND | ND | 80 μg | g/m3 |
| n-Heptane | ND | ND | 80 μg | g/m3 |
| Dilution Factor | 1 | 1 | | |
| Surrogate Recoveries: | | | OC Limits | |
| Dibromofluoromethane | 106% | 100% | 60 - 140 | |
| Toluene-d ₈ | 96% | 96% | 60 - 140 | |
| 4-Bromofluorobenzene | 93% | 95% | 60 - 140 | |
| Batch ID: | E3-072721- | E3-072721- | | |
| Datti ID. | 01 | 01 | | |

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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client: Mearns Consulting Group Report date: 7/27/2021
Client Address: 738 Ashland Avenue, Jones Ref. No.: E-1172

Client Address: 738 Ashland Avenue, Santa Monica CA 90405

Attn: Susan L Mearns PhD Date Sampled: 7/27/2021

Project: Town Center Northwest Date Analyzed: 7/27/2021
Project Address: 2690 Walnut Ave Physical State: Soil Gas

Project Address: 2690 Walnut Ave Signal Hill, CA

EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

QC ID: E3-072721-01

| Jones ID: | 072721-E3LCS1 | 072721-E3LCSD1 | | 072721-E3CCV1 | | | | | | | |
|----------------------------------|-----------------------|----------------|------------|---------------|------------|---------------|--|--|--|--|--|
| | LCS | LCSD | | Acceptability | | Acceptability | | | | | |
| <u>Parameter</u> | Recovery (%) | Recovery (%) | <u>RPD</u> | Range (%) | <u>CCV</u> | Range (%) | | | | | |
| Vinyl chloride | yl chloride 121% 114% | | 5.7% | 60 - 140 | 109% | 80 - 120 | | | | | |
| 1,1-Dichloroethene | 110% | 101% | 8.1% | 60 - 140 | 80% | 80 - 120 | | | | | |
| Cis-1,2-Dichloroethene | 105% | 102% | 3.5% | 70 - 130 | 86% | 80 - 120 | | | | | |
| 1,1,1-Trichloroethane | 98% | 104% | 6.6% | 70 - 130 | 85% | 80 - 120 | | | | | |
| Benzene | 113% | 119% | 4.9% | 70 - 130 | 101% | 80 - 120 | | | | | |
| Trichloroethene | 115% | 119% | 3.7% | 70 - 130 | 101% | 80 - 120 | | | | | |
| Toluene | 104% | 109% | 4.2% | 70 - 130 | 97% | 80 - 120 | | | | | |
| Tetrachloroethene | 116% | 114% | 2.0% | 70 - 130 | 97% | 80 - 120 | | | | | |
| Chlorobenzene | 109% | 113% | 3.7% | 70 - 130 | 95% | 80 - 120 | | | | | |
| Ethylbenzene | 99% | 108% | 9.2% | 70 - 130 | 94% | 80 - 120 | | | | | |
| 1,2,4 Trimethylbenzene | 92% | 93% | 1.2% | 70 - 130 | 87% | 80 - 120 | | | | | |
| Gasoline Range Organics (C4-C12) | 102% | 107% | 5.0% | 70 - 130 | 95% | 80 - 120 | | | | | |
| Surrogate Recovery: | | | | | | | | | | | |
| Dibromofluoromethane | 102% | 102% | | 60 - 140 | 100% | 60 - 140 | | | | | |
| Toluene-d ₈ | 97% | 96% | | 60 - 140 | 95% | 60 - 140 | | | | | |
| 4-Bromofluorobenzene | 96% | 96% | | 60 - 140 | 97% | 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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| Client Meanns Consulting Grou India Name Town Center Northwest | v | | | : | | Date 7/27/202 Glient Project if | !1 | _ 1P↑ | | 3P p 7P a 10P EDF - 10% Sural | | | Surc | | lenes Brolest # | | |
|--|-----------------|---------------------------|---------|------------------------------|----------------------------|--|------------------------|--|---------------------------|-------------------------------|-----------|----------|------------|--------|-------------------------------|-----------|--|
| 2690 Walnut Ave Signel Hill, CA Head | | | | | | Turn Around Re Immediate Atten Rush 24 Hours Rush 48 Hours Rush 72 Hours Normal Mobile Lab Reportin | tion | ton-penta of n-hexa acn-hepta | ne ine pyl Alchohol | Material (A) | නි | Organica | Rec | Public | Vacanum (In/H ₂ O) | idvara | Page 1 of 2 Semple Container: GASTIGHT GLASS SYRINGE Follows then above, see Heres. |
| Report To Super L Mearns PhD | | Sempler Casey | Elis | | | KStendard o | | n MDL* | Unite 1/2/25 | • Metric | 82BOB (VO | e Range | | | Nelic Vac | r of Cont | |
| Sample ID | Purge Number | Purge Volume (cal.) | Dete | Bample Collection Time | Sample Analysis Ylmo | Laboratory Sample ID | Purge Rate (mL/min) | Pump Used | Magnehells | Serración des | EPA 82 | Gasoline | : | | Magnet | едшту | Notes & Special Instructions |
| SV1-6' | 3 | 1310 | 7/27/21 | 7:54 | 7:56 | E-1172-01 | 200 | CASEY.1 | 118012 | SG | х | X | | ļ | <2 | 1 | |
| SV1-15' | 3 | 1470 | 7/27/21 | 8:12 | 8.14 | E-1172-02 | 200 | CASEY.2 | M100.114 | SG | х | X | | | 8 | .1 | , |
| SV2-6 | 3 | 1310 | 7/27/21 | 8:30 | 6:32 | E-1172-03 | 200 | CASEY.1 | M100.201 | SG | х | х | | | 6 | 1, | |
| SV2-15 | 3 | 1470 | 7/27/21 | 8:51 | 8:52 | E-1172-04 | 200 | CASEY.2 | M100.203 | SG | x | x | | | <2 | 1 | |
| SV2-15' REP | 3 | 1470 | 7/27/21 | 10:05 | 10:06 | E-1172-05 | 200 | CASEY.2 | M100.203 | €G | × | х | | | <2 | 1 | |
| SV3-5' | 3 | 1310 | 7/27/21 | 9:24 | 9:27 | E-1172-06 | 200 | CASEY.1 | 118012 | SG | X | x | | | <2 | 1 | |
| SV3-15' | 3 | 1470 | 7/27/21 | 9:43 | 9:46 | E-1172-07 | 200 | CASEY.2 | M100.114 | SG | × | × | | | <2 | 1 | |
| \$V4-5' | 3 | 1310 | 7/27/21 | 10:24 | 10:26 | E-1172-08 | 200 | CASEY.1 | M100.201 | SG | × | X. | | | <2 | 1 | |
| SV4-15' | 3 | 1470 | 7/27/21 | 10:42 | 10:44 | E-1172-09 | 200 | CASEY.2 | M100.203 | SG | × | х | | | <2 | 1 | |
| SV5-5 | 3 | 1310 | 7/27/21 | 11:01 | 11:03 | E-1172-10 | 200 | CASEY.1 | 118012 | SG | х | х | | | <2 | 1 | |
| Representative Signature | | Printed New SUSAN ME | | <u> </u> | <u> </u> | Laberatory Signature | SIL | | | ed Na EY EL | | <u> </u> | | | | 10 | Total Number of Containers |
| Company Means Consulting Group | * (.5. | Deto 7/27 | /2021 | Time 14 | l:30 | Company JONES ENVIRONMENTA | NL, INC. | | Cab | 7 <i>12712</i> (|)21 | T | ime 14: | 30 | | 014 | nt algorature on this Chain of Custody form constitutes |
| Representative Signature | | Printed Na | (TIG | | | Laboratory Signature | **** | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | and Na | me | | | | | ac. | in agricults on any Chain or Casicary form constitution denowledgement that the above analyses have been pasted, and the information provided herein is correct and accurate. |
| Company | | Date | | Time | | Company | | | Det | • | | Ti | irina | | | | |



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| Clare Mearns Consulting Grou Project Name Town Conter Northwest Project Address | Northwest | | · · · · · · · · · · · · · · · · · · · | Date 7/27/202 Citient Project 9 | Purge Number: □ 1P \$/3P □ 7P □ 10P Shut-in Test: (*\forall)/ N | | | | | Report Options EDD EDF* - 10% Surch *Giobal 10 | | | | | Jones Project # E-1172 | | | | | | | |
|--|-----------|----------------------------|---------------------------------------|------------------------------------|--|--|--------------------------------|--|----------------------------------|--|-----------|------------------|------------|------|------------------------------------|------------|--|-------|---------------------------|--|-------------|------|
| 2690 Walnut Ave Signal Hill, CA Sinal Phone | | Sampler | | | | Turn Around Re Immediate Atten Rush 24 Hours Rush 48 Hours Rush 72 Hours Normal (Mobile Lab Reportin | tion g Limits Low Level* | tr-penti tr-head vr-hepti a leoproj a 1,1-DF | rie irie iyl Alchohol A | e (Medición: 80), As (A), alamata (M) | (NOCe) | Range Organics & | Re | que | illo Viscuum (InMI ₂ O) | Containers | | | GASTIG | Of Container: HT GLASS S then shows a | | • |
| Susan L Mearns PhD Sample 1D | Purgo | Purpo Velume (mL) | Elits Date | Sample Collection Time | Sample Analysis Time | Laboratory Sample ID | Purge Rate (mL/min) | Pump Used | Magnobolic | Barnepte M Bol Gas (84), | EPA 62606 | Gasoline R | | | Magneheli | Number of | | Not | ac & S pr | nciel instr | actions | |
| SV5-15' | 3 | 1470 | 7/27/21 | | 11:21 | E-1172-11 | 200 | CASEY.2 | M100.114 | SG | | х | | | <2 | 1 | | | | | | |
| S V6-5' | 3 | 1310 | 7/27/21 | 11:35 | 11:40 | E-1172-12 | 200 | CASEY.1 | M100.201 | SG | x | х | | | <2 | 1 | | | | | | |
| SV6-15' | 3 | 1470 | 7/27/21 | 11:57 | 12:00 | E-1172-13 | 200 | CASEY.2 | M100.203 | SG | x | x | | | <2 | 1 | | | | | | |
| SV7-5' | 3 | 1310 | 7/27/21 | 12:08 | 12:18 | E-1172-14 | 200 | CASEY.1 | 118012 | SG | x | х | | | <2 | 1 | | | | | | |
| SV7-15 | 3 % | 1470 | 7/27/21 | 12:34 | 12:38 | E-1172-15 | 200 | CASEY.2 | M100.114 | SG | x | x | | | <2 | 1 | | - | | | | |
| SV8-5 | 3 | 1310 | 7/27/21 | 12:55 | 12:57 | E-1172-16 | 200 | CASEY.1 | M100.201 | ŞG | × | x | | | <2 | 1 | | | | | | |
| SV8-15' | 3 | 1470 | 7/27/21 | 13:13 | 13:16 | E-1172-17 | 200 | CASEY.2 | M100.203 | SG | × | x | | | 8 | 1 | | | | | | |
| SV9-5' | 3 | 1310 | 7/27/21 | 13:54 | 13:56 | E-1172-18 | 200 | CASEY.1 | 118012 | SG | × | х | | | <2 | 1 | | | | | | |
| | | | | | | | | | | Ü | | | | | | | | | | | | |
| SV7-15' DIL | 1 - | | 7/27/21 | 13:32 | 13:37 | - | - | - | M100.114 | SG | × | × | | | <2 | 1 | | | | | | |
| Paper material from the state of the state o | <u> </u> | Printed Na SUSAN ME | | <u> </u> | <u>. </u> | Labopatory Signature | Ch | | CAS | eed Na EY EU | | | | | | 9 | Total N | iumbe | r of Conta | hers | | |
| Company Meetres Consulting Group Representative Signature | | Date 7/27 Printed Na | 7/2021 sne | Time 14 | 4:30 | Company JONES ENVIRONMENT Laboratory Signature | AL, INC. | | | 7/27/20 And Na | | Ť | 14 | 1:30 | | 80 | knowled | Ідете | ni that the Informatic | n of Custody above analy on provided | rses have i | peen |
| Company | | Deto | | Time | | Company | go 14 of 1 | <u> </u> | Deb | • | | Ť | ine ine | | -ve | | <u>, </u> | | and ac | curate. | | |



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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Mearns Consulting Group Report date:

Client Address: 738 Ashland Avenue, Jones Ref. No.: E-1173

Santa Monica CA 90405

Attn: Susan L Mearns PhD Date Sampled: 7/28/2021

Date Received: 7/28/2021 **Date Analyzed:** 7/28/2021

7/28/2021

Project:Town Center NorthwestDate Analyzed:7/28/202Project Address:2690 Walnut AvePhysical State:Soil Gas

Signal Hill, CA

Physical State: Soil C

ANALYSES REQUESTED

EPA 8260B – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sampling - Soil Gas samples were collected in glass gas-tight syringes equipped with Teflon plungers.

A tracer gas mixture of n-pentane, n-hexane, and n-heptane was placed at the tubing-surface interface before sampling. These compounds were analyzed during the 8260B analytical run to determine if there were surface leaks into the subsurface due to improper installation of the probe. No tracer was detected in any of the samples reported herein.

The sampling rate was approximately 200 cc/min, except when noted differently on the chain of custody record, using a glass gas-tight syringe. Purging was completed using a pump set at approximately 200 cc/min, except when noted differently on the chain of custody record. A default of 3 purge volumes was used as recommended by July 2015 DTSC/RWOCB guidance documents.

Prior to purging and sampling of soil gas at each point, a shut-in test was conducted to check for leaks in the above ground fittings. The shut-in test was performed on the above ground apparatus by evacuating the line to a vacuum of 100 inches of water, sealing the entire system and watching the vacuum for at least one minute. A vacuum gauge attached in parallel to the apparatus measured the vacuum. If there was any observable loss of vacuum, the fittings were adjusted as needed until the vacuum did not change noticeably. The soil gas sample was then taken.

No flow conditions occur when a sampling rate greater than 10 mL/min cannot be maintained without applying a vacuum greater than 100 inches of water to the sampling train. The sampling train is left at a vacuum for no less than three minutes. If the vacuum does not subside appreciably after three minutes, the sample location is determined to be a no flow sample.

Analytical – Soil Gas samples were analyzed using EPA Method 8260 that includes extra compounds required by DTSC/RWQCB (such as Freon 113). Instrument Continuing Calibration Verification, QC Reference Standards, Instrument Blanks and Sampling Blanks were analyzed every 12 hours as prescribed by the method. In addition, a Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) were analyzed with each batch of Soil Gas samples. A duplicate/replicate sample was analyzed each day of the sampling activity. All samples were injected into the GC/MS system within 30 minutes of collection.

Approval:

Annalise O'Toole Mobile Lab Manager

714-449-9937 562-646-1611 11007 FOREST PLACE SANTA FE SPRINGS, CA 90670 WWW.JONESENV.COM

JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Mearns Consulting Group Report date: 7/28/2021
Client Address: 738 Ashland Avenue, Jones Ref. No.: E-1173

Santa Monica CA 90405

Attn: Susan L Mearns PhD Date Sampled: 7/28/2021

Date Received: 7/28/2021 **Date Analyzed:** 7/28/2021

Soil Gas

Project:Town Center NorthwestDate Analyzed:Project Address:2690 Walnut AvePhysical State:

Signal Hill, CA

EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

| Sample ID: | SV9-15' | SV9-15' REP | SV10-5' | SV10-15' | SV11-5' | | |
|-----------------------------|-----------|----------------|-----------|-----------|-----------|-----------------|--------------|
| Jones ID: | E-1173-01 | E-1173-02 | E-1173-03 | E-1173-04 | E-1173-05 | Reporting Limit | <u>Units</u> |
| Analytes: | | | | | | | |
| Benzene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Bromobenzene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Bromodichloromethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Bromoform | ND | ND | ND | ND | ND | 8 | μg/m3 |
| n-Butylbenzene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| sec-Butylbenzene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| tert-Butylbenzene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| Carbon tetrachloride | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Chlorobenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Chloroform | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 2-Chlorotoluene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| 4-Chlorotoluene | ND | ND | ND | ND | ND | 12 | μg/m3 |
| Dibromochloromethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dibromo-3-chloropropane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dibromoethane (EDB) | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Dibromomethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2- Dichlorobenzene | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| 1,3-Dichlorobenzene | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| 1,4-Dichlorobenzene | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| Dichlorodifluoromethane | ND | ND | ND | ND | ND | 32 | $\mu g/m3$ |
| 1,1-Dichloroethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dichloroethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,1-Dichloroethene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| cis-1,2-Dichloroethene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| trans-1,2-Dichloroethene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dichloropropane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,3-Dichloropropane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 2,2-Dichloropropane | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| 1,1-Dichloropropene | ND | ND | ND | ND | ND | 10 | $\mu g/m3$ |

| EPA 8260B – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics | | | | | | | | | | |
|---|------------|----------------|------------|------------|------------|-----------------|--------------|--|--|--|
| Sample ID: | SV9-15' | SV9-15' REP | SV10-5' | SV10-15' | SV11-5' | | | | | |
| Jones ID: | E-1173-01 | E-1173-02 | E-1173-03 | E-1173-04 | E-1173-05 | Reporting Limit | <u>Units</u> | | | |
| Analytes: | | | | | | | | | | |
| cis-1,3-Dichloropropene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ | | | |
| trans-1,3-Dichloropropene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ | | | |
| Ethylbenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ | | | |
| Freon 113 | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ | | | |
| Hexachlorobutadiene | ND | ND | ND | ND | ND | 24 | $\mu g/m3$ | | | |
| Isopropylbenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ | | | |
| 4-Isopropyltoluene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ | | | |
| Methylene chloride | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ | | | |
| Naphthalene | ND | ND | ND | ND | ND | 40 | $\mu g/m3$ | | | |
| n-Propylbenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ | | | |
| Styrene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ | | | |
| 1,1,1,2-Tetrachloroethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ | | | |
| 1,1,2,2-Tetrachloroethane | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ | | | |
| Tetrachloroethene | 34 | 34 | 9 | 8 | 24 | 8 | $\mu g/m3$ | | | |
| Toluene | 13 | 14 | ND | ND | ND | 8 | $\mu g/m3$ | | | |
| 1,2,3-Trichlorobenzene | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ | | | |
| 1,2,4-Trichlorobenzene | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ | | | |
| 1,1,1-Trichloroethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ | | | |
| 1,1,2-Trichloroethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ | | | |
| Trichloroethene | ND | ND | ND | ND | ND | 8 | μg/m3 | | | |
| Trichlorofluoromethane | ND | ND | ND | ND | ND | 32 | $\mu g/m3$ | | | |
| 1,2,3-Trichloropropane | ND | ND | ND | ND | ND | 8 | μg/m3 | | | |
| 1,2,4-Trimethylbenzene | ND | ND | ND | ND | ND | 8 | μg/m3 | | | |
| 1,3,5-Trimethylbenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ | | | |
| Vinyl chloride | ND | ND | ND | ND | ND | 8 | μg/m3 | | | |
| m,p-Xylene | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ | | | |
| o-Xylene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ | | | |
| MTBE | ND | ND | ND | ND | ND | 40 | μg/m3 | | | |
| Ethyl-tert-butylether | ND | ND | ND | ND | ND | 40 | μg/m3 | | | |
| Di-isopropylether | ND | ND | ND | ND | ND | 40 | μg/m3 | | | |
| tert-amylmethylether | ND | ND | ND | ND | ND | 40 | μg/m3 | | | |
| tert-Butylalcohol | ND | ND | ND | ND | ND | 400 | μg/m3 | | | |
| Gasoline Range Organics (C4-C12) | ND | ND | ND | ND | ND | 2000 | μg/m3 | | | |
| Tracer: | | | | | | | | | | |
| n-Pentane | ND | ND | ND | ND | ND | 80 | μg/m3 | | | |
| n-Hexane | ND | ND | ND | ND | ND | 80 | μg/m3 | | | |
| n-Heptane | ND | ND | ND | ND | ND | 80 | μg/m3 | | | |
| Dilution Factor | 1 | 1 | 1 | 1 | 1 | | | | | |
| Surrogate Recoveries: | | | | | | QC Limi | <u>ts</u> | | | |
| Dibromofluoromethane | 114%^ | 119%^ | 108% | 123%^ | 107% | 60 - 140 | | | | |
| Toluene-d ₈ | 103% | 104% | 89% | 102% | 89% | 60 - 140 | | | | |
| 4-Bromofluorobenzene | 108% | @ | 97% | 108% | 96% | 60 - 140 | | | | |
| Batch ID: | E2-072821- | E2-072821- | E3-072821- | E2-072821- | E3-072821- | | | | | |
| Duttii ID. | 01 | 01 | 01 | 01 | 01 | | | | | |

ND = Value below reporting limit

^{@=} Surrogate outside acceptable limits. All other QC parameters in control, therefore data was accepted.

^{^ = 1,2-}dichloroethane-d4 used as surrogate for this batch.

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Mearns Consulting Group Report date: 7/28/2021
Client Address: 738 Ashland Avenue, Jones Ref. No.: E-1173

Santa Monica CA 90405

Attn: Susan L Mearns PhD Date Sampled: 7/28/2021

Date Received: 7/28/2021 **Date Analyzed:** 7/28/2021

Project:Town Center NorthwestDate Analyzed:7/28/202Project Address:2690 Walnut AvePhysical State:Soil Gas

Signal Hill, CA

EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

| Sample ID: | SV11-15' | SV12-5' | SV12-15' | SV13-5' | SV13-5' REP | | |
|-----------------------------|-----------|-----------|-----------|-----------|----------------|-----------------|--------------|
| Jones ID: | E-1173-06 | E-1173-07 | E-1173-08 | E-1173-09 | E-1173-10 | Reporting Limit | <u>Units</u> |
| Analytes: | | | | | | | |
| Benzene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Bromobenzene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Bromodichloromethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Bromoform | ND | ND | ND | ND | ND | 8 | μg/m3 |
| n-Butylbenzene | ND | ND | ND | ND | ND | 12 | μg/m3 |
| sec-Butylbenzene | ND | ND | ND | ND | ND | 12 | μg/m3 |
| tert-Butylbenzene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| Carbon tetrachloride | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Chlorobenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Chloroform | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 2-Chlorotoluene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| 4-Chlorotoluene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| Dibromochloromethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dibromo-3-chloropropane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dibromoethane (EDB) | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Dibromomethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2- Dichlorobenzene | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| 1,3-Dichlorobenzene | ND | ND | ND | ND | ND | 16 | μg/m3 |
| 1,4-Dichlorobenzene | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| Dichlorodifluoromethane | ND | ND | ND | ND | ND | 32 | μg/m3 |
| 1,1-Dichloroethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2-Dichloroethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,1-Dichloroethene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| cis-1,2-Dichloroethene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| trans-1,2-Dichloroethene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2-Dichloropropane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,3-Dichloropropane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 2,2-Dichloropropane | ND | ND | ND | ND | ND | 16 | μg/m3 |
| 1,1-Dichloropropene | ND | ND | ND | ND | ND | 10 | $\mu g/m3$ |

EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics SV13-5' SV11-15' SV12-5' SV12-15' SV13-5' Sample ID: REP Jones ID: E-1173-06 E-1173-07 E-1173-08 E-1173-09 E-1173-10 **Reporting Limit Units Analytes:** ND ND ND ND ND 8 cis-1,3-Dichloropropene $\mu g/m3$ 8 trans-1,3-Dichloropropene ND ND ND ND ND $\mu g/m3$ Ethylbenzene ND ND ND ND ND 8 $\mu g/m3$ 16 Freon 113 ND ND ND ND ND $\mu g/m3$ Hexachlorobutadiene ND ND ND ND ND 24 $\mu g/m3$ 8 Isopropylbenzene ND ND ND ND ND $\mu g/m3$ ND ND 8 $\mu g/m3$ 4-Isopropyltoluene ND ND ND 8 Methylene chloride ND ND ND ND ND $\mu g/m3$ $\mu g/m3$ Naphthalene ND ND ND ND ND 40 8 n-Propylbenzene ND ND ND ND ND $\mu g/m3$ Styrene ND ND ND ND ND 8 $\mu g/m3$ ND ND ND ND ND 8 1,1,1,2-Tetrachloroethane $\mu g/m3$ 1,1,2,2-Tetrachloroethane ND ND ND ND ND 16 $\mu g/m3$ Tetrachloroethene ND 8 9 16 25 8 $\mu g/m3$ ND ND 8 ND ND ND $\mu g/m3$ Toluene 1,2,3-Trichlorobenzene ND ND ND ND ND 16 $\mu g/m3$ 1,2,4-Trichlorobenzene ND ND ND ND ND 16 $\mu g/m3$ 1,1,1-Trichloroethane ND ND ND ND ND 8 $\mu g/m3$ 8 1,1,2-Trichloroethane ND ND ND ND ND $\mu g/m3$ Trichloroethene ND ND ND ND ND 8 $\mu g/m3$ Trichlorofluoromethane ND 32 ND ND ND ND $\mu g/m3$ 8 1.2.3-Trichloropropane ND ND ND ND ND $\mu g/m3$ 1,2,4-Trimethylbenzene ND ND ND ND ND 8 $\mu g/m3$ 1,3,5-Trimethylbenzene 8 ND ND ND ND ND $\mu g/m3$ Vinyl chloride ND ND ND ND ND 8 $\mu g/m3$ ND 16 m,p-Xylene ND ND ND ND $\mu g/m3$ o-Xylene ND ND ND ND ND 8 $\mu g/m3$ **MTBE** ND ND ND ND ND 40 $\mu g/m3$ 40 Ethyl-tert-butylether ND ND ND ND ND $\mu g/m3$ Di-isopropylether 40 ND ND ND ND ND $\mu g/m3$ tert-amylmethylether ND ND ND ND ND 40 $\mu g/m3$ tert-Butylalcohol ND ND ND ND ND 400 $\mu g/m3$ Gasoline Range Organics (C4-C12) ND ND ND ND ND 2000 μg/m3 Tracer: ND ND ND ND ND 80 n-Pentane $\mu g/m3$ ND ND ND ND ND 80 n-Hexane $\mu g/m3$ ND ND ND ND ND 80 $\mu g/m3$ n-Heptane **Dilution Factor** 1 1 1 1 1 **QC** Limits **Surrogate Recoveries:** 60 - 140 Dibromofluoromethane 122%^ 105% 124%^ 106% 108% Toluene-d₈ 105% 87% 102% 87% 88% 60 - 1404-Bromofluorobenzene 107% 97% 105% 96% 96% 60 - 140

ND = Value below reporting limit

Batch ID:

E2-072821-

01

E3-072821-

01

E2-072821-

01

E3-072821-

01

E3-072821-

01

 $^{^{\}wedge}$ = 1,2-dichloroethane-d4 used as surrogate for this batch.

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Mearns Consulting Group Report date: 7/28/2021
Client Address: 738 Ashland Avenue, Jones Ref. No.: E-1173

Santa Monica CA 90405

Town Center Northwest

SV14-5'

Attn: Susan L Mearns PhD Date Sampled: 7/28/2021

Date Received: 7/28/2021 **Date Analyzed:** 7/28/2021

Soil Gas

Physical State:

Project Address: 2690 Walnut Ave

Project:

Sample ID:

Signal Hill, CA

SV13-15'

EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

SV15-5'

SV15-15'

SV14-15'

| <u></u> | | | | | | | |
|-----------------------------|-----------|-----------|-----------|-----------|-----------|-----------------|--------------|
| Jones ID: | E-1173-11 | E-1173-12 | E-1173-13 | E-1173-14 | E-1173-15 | Reporting Limit | <u>Units</u> |
| Analytes: | | | | | | | |
| Benzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Bromobenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Bromodichloromethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Bromoform | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| n-Butylbenzene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| sec-Butylbenzene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| tert-Butylbenzene | ND | ND | ND | ND | ND | 12 | μg/m3 |
| Carbon tetrachloride | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Chlorobenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Chloroform | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 2-Chlorotoluene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| 4-Chlorotoluene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| Dibromochloromethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dibromo-3-chloropropane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2-Dibromoethane (EDB) | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Dibromomethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2- Dichlorobenzene | ND | ND | ND | ND | ND | 16 | μg/m3 |
| 1,3-Dichlorobenzene | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| 1,4-Dichlorobenzene | ND | ND | ND | ND | ND | 16 | μg/m3 |
| Dichlorodifluoromethane | ND | ND | ND | ND | ND | 32 | $\mu g/m3$ |
| 1,1-Dichloroethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2-Dichloroethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,1-Dichloroethene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| cis-1,2-Dichloroethene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| trans-1,2-Dichloroethene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dichloropropane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,3-Dichloropropane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 2,2-Dichloropropane | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| 1,1-Dichloropropene | ND | ND | ND | ND | ND | 10 | $\mu g/m3$ |

EPA 8260B – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

| Sample ID: | SV13-15' | SV14-5' | SV14-15' | SV15-5' | SV15-15' | | |
|----------------------------------|------------|------------|------------|------------|------------|-----------------|--------------|
| Jones ID: | E-1173-11 | E-1173-12 | E-1173-13 | E-1173-14 | E-1173-15 | Reporting Limit | <u>Units</u> |
| Analytes: | | | | | | | |
| cis-1,3-Dichloropropene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| trans-1,3-Dichloropropene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Ethylbenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Freon 113 | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| Hexachlorobutadiene | ND | ND | ND | ND | ND | 24 | $\mu g/m3$ |
| Isopropylbenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 4-Isopropyltoluene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Methylene chloride | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Naphthalene | ND | ND | ND | ND | ND | 40 | $\mu g/m3$ |
| n-Propylbenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Styrene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,1,1,2-Tetrachloroethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,1,2,2-Tetrachloroethane | ND | ND | ND | ND | ND | 16 | μg/m3 |
| Tetrachloroethene | ND | 10 | ND | 37 | 29 | 8 | μg/m3 |
| Toluene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2,3-Trichlorobenzene | ND | ND | ND | ND | ND | 16 | μg/m3 |
| 1,2,4-Trichlorobenzene | ND | ND | ND | ND | ND | 16 | μg/m3 |
| 1,1,1-Trichloroethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,1,2-Trichloroethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Trichloroethene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Trichlorofluoromethane | ND | ND | ND | ND | ND | 32 | μg/m3 |
| 1,2,3-Trichloropropane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2,4-Trimethylbenzene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,3,5-Trimethylbenzene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Vinyl chloride | ND | ND | ND | ND | ND | 8 | μg/m3 |
| m,p-Xylene | ND | ND | ND | ND | ND | 16 | μg/m3 |
| o-Xylene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| MTBE | ND | ND | ND | ND | ND | 40 | μg/m3 |
| Ethyl-tert-butylether | ND | ND | ND | ND | ND | 40 | μg/m3 |
| Di-isopropylether | ND | ND | ND | ND | ND | 40 | μg/m3 |
| tert-amylmethylether | ND | ND | ND | ND | ND | 40 | μg/m3 |
| tert-Butylalcohol | ND | ND | ND | ND | ND | 400 | μg/m3 |
| Gasoline Range Organics (C4-C12) | ND | ND | ND | ND | ND | 2000 | μg/m3 |
| Tracer: | | | | | | | |
| n-Pentane | ND | ND | ND | ND | ND | 80 | $\mu g/m3$ |
| n-Hexane | ND | ND | ND | ND | ND | 80 | $\mu g/m3$ |
| n-Heptane | ND | ND | ND | ND | ND | 80 | μg/m3 |
| Dilution Factor | 1 | 1 | 1 | 1 | 1 | | |
| Surrogate Recoveries: | | | | | | QC Limit | t <u>s</u> |
| Dibromofluoromethane | 126%^ | 108% | 123%^ | 105% | 119%^ | 60 - 140 | |
| Toluene-d ₈ | 106% | 85% | 102% | 86% | 101% | 60 - 140 | |
| 4-Bromofluorobenzene | 106% | 98% | 104% | 95% | 82% | 60 - 140 | |
| Dotah IDa | E2-072821- | E3-072821- | E2-072821- | E3-072821- | E2-072821- | | |
| Batch ID: | 01 | 01 | 01 | 01 | 01 | | |

 $^{^{\}wedge}$ = 1,2-dichloroethane-d4 used as surrogate for this batch.

Client: Mearns Consulting Group Report date: 7/28/2021
Client Address: 738 Ashland Avenue, Jones Ref. No.: E-1173

Santa Monica CA 90405

SV16-15'

Attn: Susan L Mearns PhD Date Sampled: 7/28/2021

Date Received: 7/28/2021 **Date Analyzed:** 7/28/2021

Project:Town Center NorthwestDate Analyzed:7/28/2021Project Address:2690 Walnut AvePhysical State:Soil Gas

Signal Hill, CA

SV16-5'

Sample ID:

EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

SV17-15'

SV18-5'

SV17-5'

| Sample 1D. | 57105 | 5110 13 | 51175 | 5117 15 | 5 10 5 | | |
|-----------------------------|-----------|-----------|-----------|-----------|-----------|-----------------|--------------|
| Jones ID: | E-1173-16 | E-1173-17 | E-1173-18 | E-1173-19 | E-1173-20 | Reporting Limit | <u>Units</u> |
| Analytes: | | | | | | | |
| Benzene | ND | 27 | ND | ND | ND | 8 | $\mu g/m3$ |
| Bromobenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Bromodichloromethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Bromoform | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| n-Butylbenzene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| sec-Butylbenzene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| tert-Butylbenzene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| Carbon tetrachloride | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Chlorobenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Chloroform | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 2-Chlorotoluene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| 4-Chlorotoluene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| Dibromochloromethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dibromo-3-chloropropane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dibromoethane (EDB) | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Dibromomethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2- Dichlorobenzene | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| 1,3-Dichlorobenzene | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| 1,4-Dichlorobenzene | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| Dichlorodifluoromethane | ND | ND | ND | ND | ND | 32 | $\mu g/m3$ |
| 1,1-Dichloroethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dichloroethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,1-Dichloroethene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| cis-1,2-Dichloroethene | ND | 51 | ND | ND | ND | 8 | $\mu g/m3$ |
| trans-1,2-Dichloroethene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dichloropropane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,3-Dichloropropane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 2,2-Dichloropropane | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| 1,1-Dichloropropene | ND | ND | ND | ND | ND | 10 | $\mu g/m3$ |

EPA 8260B – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

| Sample ID: | SV16-5' | SV16-15' | SV17-5' | SV17-15' | SV18-5' | | |
|----------------------------------|------------|------------|------------|------------|------------|-----------------|--------------|
| Jones ID: | E-1173-16 | E-1173-17 | E-1173-18 | E-1173-19 | E-1173-20 | Reporting Limit | <u>Units</u> |
| Analytes: | | | | | | | |
| cis-1,3-Dichloropropene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| trans-1,3-Dichloropropene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Ethylbenzene | ND | 74 | ND | ND | ND | 8 | $\mu g/m3$ |
| Freon 113 | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| Hexachlorobutadiene | ND | ND | ND | ND | ND | 24 | $\mu g/m3$ |
| Isopropylbenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 4-Isopropyltoluene | ND | 16 | ND | ND | ND | 8 | $\mu g/m3$ |
| Methylene chloride | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Naphthalene | ND | 41 | ND | ND | ND | 40 | μg/m3 |
| n-Propylbenzene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Styrene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,1,1,2-Tetrachloroethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,1,2,2-Tetrachloroethane | ND | ND | ND | ND | ND | 16 | μg/m3 |
| Tetrachloroethene | 15 | 18 | 32 | 10 | 13 | 8 | μg/m3 |
| Toluene | ND | 44 | ND | ND | ND | 8 | μg/m3 |
| 1,2,3-Trichlorobenzene | ND | ND | ND | ND | ND | 16 | μg/m3 |
| 1,2,4-Trichlorobenzene | ND | ND | ND | ND | ND | 16 | μg/m3 |
| 1,1,1-Trichloroethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,1,2-Trichloroethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Trichloroethene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Trichlorofluoromethane | ND | ND | ND | ND | ND | 32 | μg/m3 |
| 1,2,3-Trichloropropane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2,4-Trimethylbenzene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,3,5-Trimethylbenzene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Vinyl chloride | ND | ND | ND | ND | ND | 8 | μg/m3 |
| m,p-Xylene | ND | 287 | ND | ND | ND | 16 | μg/m3 |
| o-Xylene | ND | 84 | ND | ND | ND | 8 | μg/m3 |
| MTBE | ND | ND | ND | ND | ND | 40 | μg/m3 |
| Ethyl-tert-butylether | ND | ND | ND | ND | ND | 40 | μg/m3 |
| Di-isopropylether | ND | ND | ND | ND | ND | 40 | μg/m3 |
| tert-amylmethylether | ND | ND | ND | ND | ND | 40 | μg/m3 |
| tert-Butylalcohol | ND | ND | ND | ND | ND | 400 | μg/m3 |
| Gasoline Range Organics (C4-C12) | ND | 46800 | ND | ND | ND | 2000 | $\mu g/m3$ |
| Tracer: | | | | | | | |
| n-Pentane | ND | ND | ND | ND | ND | 80 | $\mu g/m3$ |
| n-Hexane | ND | ND | ND | ND | ND | 80 | μg/m3 |
| n-Heptane | ND | ND | ND | ND | ND | 80 | μg/m3 |
| Dilution Factor | 1 | 1 | 1 | 1 | 1 | | |
| Surrogate Recoveries: | | | | | | QC Limit | t <u>s</u> |
| Dibromofluoromethane | 112% | 124%^ | 108% | 121%^ | 106% | 60 - 140 | |
| Toluene-d ₈ | 86% | 101% | 85% | 99% | 86% | 60 - 140 | |
| 4-Bromofluorobenzene | 97% | 114% | 96% | 104% | 97% | 60 - 140 | |
| D / L ID | E3-072821- | E2-072821- | E3-072821- | E2-072821- | E3-072821- | | |
| Batch ID: | 01 | 01 | 01 | 01 | 01 | | |

 $^{^{\}wedge}$ = 1,2-dichloroethane-d4 used as surrogate for this batch.

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Mearns Consulting Group Report date: 7/28/2021

Client Address: 738 Ashland Avenue, Jones Ref. No.: E-1173

Santa Monica CA 90405

Attn: Susan L Mearns PhD Date Sampled: 7/28/2021

Town Center Northwest

Date Received: 7/28/2021

Date Analyzed: 7/28/2021

Project Address: 2690 Walnut Ave Physical State: Soil Gas

Signal Hill, CA

EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample ID: SV18-15' SV19-5'

Project:

| Jones ID: | E-1173-21 | E-1173-22 | Reporting Limit | <u>Units</u> |
|-----------------------------|-----------|-----------|-----------------|--------------|
| Analytes: | | | | |
| Benzene | 1150 | 18 | 8 | $\mu g/m3$ |
| Bromobenzene | ND | ND | 8 | $\mu g/m3$ |
| Bromodichloromethane | ND | ND | 8 | $\mu g/m3$ |
| Bromoform | ND | ND | 8 | $\mu g/m3$ |
| n-Butylbenzene | ND | 649 | 12 | $\mu g/m3$ |
| sec-Butylbenzene | ND | 2380 | 12 | $\mu g/m3$ |
| tert-Butylbenzene | ND | ND | 12 | $\mu g/m3$ |
| Carbon tetrachloride | ND | ND | 8 | $\mu g/m3$ |
| Chlorobenzene | ND | ND | 8 | $\mu g/m3$ |
| Chloroform | ND | ND | 8 | $\mu g/m3$ |
| 2-Chlorotoluene | ND | ND | 12 | $\mu g/m3$ |
| 4-Chlorotoluene | ND | ND | 12 | $\mu g/m3$ |
| Dibromochloromethane | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dibromo-3-chloropropane | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dibromoethane (EDB) | ND | ND | 8 | $\mu g/m3$ |
| Dibromomethane | ND | ND | 8 | $\mu g/m3$ |
| 1,2- Dichlorobenzene | ND | ND | 16 | $\mu g/m3$ |
| 1,3-Dichlorobenzene | ND | ND | 16 | $\mu g/m3$ |
| 1,4-Dichlorobenzene | ND | ND | 16 | $\mu g/m3$ |
| Dichlorodifluoromethane | ND | ND | 32 | $\mu g/m3$ |
| 1,1-Dichloroethane | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dichloroethane | ND | ND | 8 | $\mu g/m3$ |
| 1,1-Dichloroethene | ND | ND | 8 | $\mu g/m3$ |
| cis-1,2-Dichloroethene | ND | ND | 8 | $\mu g/m3$ |
| trans-1,2-Dichloroethene | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dichloropropane | ND | ND | 8 | $\mu g/m3$ |
| 1,3-Dichloropropane | ND | ND | 8 | $\mu g/m3$ |
| 2,2-Dichloropropane | ND | ND | 16 | $\mu g/m3$ |
| 1,1-Dichloropropene | ND | ND | 10 | $\mu g/m3$ |

EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

| Sample ID: | SV18-15' | SV19-5' |
|------------|----------|---------|
| | | |

| Jones ID: | E-1173-21 | E-1173-22 | Reporting Limit | <u>Units</u> |
|----------------------------------|------------|------------|-----------------|--------------|
| Analytes: | | | | |
| cis-1,3-Dichloropropene | ND | ND | 8 | $\mu g/m3$ |
| trans-1,3-Dichloropropene | ND | ND | 8 | $\mu g/m3$ |
| Ethylbenzene | 1910 | 2730 | 8 | $\mu g/m3$ |
| Freon 113 | ND | ND | 16 | $\mu g/m3$ |
| Hexachlorobutadiene | ND | ND | 24 | $\mu g/m3$ |
| Isopropylbenzene | 2490 | 4290 | 8 | $\mu g/m3$ |
| 4-Isopropyltoluene | ND | 13 | 8 | $\mu g/m3$ |
| Methylene chloride | ND | ND | 8 | $\mu g/m3$ |
| Naphthalene | 826 | 405 | 40 | $\mu g/m3$ |
| n-Propylbenzene | 2640 | 5810 | 8 | $\mu g/m3$ |
| Styrene | ND | ND | 8 | $\mu g/m3$ |
| 1,1,1,2-Tetrachloroethane | ND | ND | 8 | $\mu g/m3$ |
| 1,1,2,2-Tetrachloroethane | ND | ND | 16 | $\mu g/m3$ |
| Tetrachloroethene | ND | 42 | 8 | $\mu g/m3$ |
| Toluene | ND | 25 | 8 | $\mu g/m3$ |
| 1,2,3-Trichlorobenzene | ND | ND | 16 | $\mu g/m3$ |
| 1,2,4-Trichlorobenzene | ND | ND | 16 | $\mu g/m3$ |
| 1,1,1-Trichloroethane | ND | ND | 8 | $\mu g/m3$ |
| 1,1,2-Trichloroethane | ND | ND | 8 | $\mu g/m3$ |
| Trichloroethene | ND | ND | 8 | $\mu g/m3$ |
| Trichlorofluoromethane | ND | ND | 32 | $\mu g/m3$ |
| 1,2,3-Trichloropropane | ND | ND | 8 | $\mu g/m3$ |
| 1,2,4-Trimethylbenzene | ND | ND | 8 | $\mu g/m3$ |
| 1,3,5-Trimethylbenzene | ND | ND | 8 | $\mu g/m3$ |
| Vinyl chloride | ND | ND | 8 | $\mu g/m3$ |
| m,p-Xylene | 1720 | ND | 16 | $\mu g/m3$ |
| o-Xylene | ND | ND | 8 | $\mu g/m3$ |
| MTBE | 8610 | 121000* | 40 | $\mu g/m3$ |
| Ethyl-tert-butylether | ND | ND | 40 | $\mu g/m3$ |
| Di-isopropylether | 4780 | ND | 40 | $\mu g/m3$ |
| tert-amylmethylether | ND | ND | 40 | $\mu g/m3$ |
| tert-Butylalcohol | ND | ND | 400 | μg/m3 |
| Gasoline Range Organics (C4-C12) | 3380000 | 900000 | 2000 | $\mu g/m3$ |
| Tracer: | | | | , = |
| n-Pentane | ND | ND | 80 | $\mu g/m3$ |
| n-Hexane | ND | ND | 80 | μg/m3 |
| n-Heptane | ND | ND | 80 | μg/m3 |
| Dilution Factor | 12.5 | 1/3* | | |
| Surrogate Recoveries: | | | QC Limits | <u>i</u> |
| Dibromofluoromethane | 115% | 103% | 60 - 140 | |
| Toluene-d ₈ | 106% | 115% | 60 - 140 | |
| 4-Bromofluorobenzene | 123% | • | 60 - 140 | |
| D (1 1 D | E2-072721- | E3-072721- | | |
| Batch ID: | 01 | 01 | | |

^{• =} Hydrocarbon interference prevented adequate surrogate recovery.

 $^{^{\}wedge}$ = 1,2-dichloroethane-d4 used as surrogate for this batch.

^{* =} Dilutions for these compound(s); first number for all others

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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client: Mearns Consulting Group Report date: 7/28/2021
Client Address: 738 Ashland Avenue, Jones Ref. No.: E-1173

Santa Monica CA 90405

Attn: Susan L Mearns PhD Date Sampled: 7/28/2021

Date Received: 7/28/2021
Date Analyzed: 7/28/2021
Physical State: Soil Gas

Project: Town Center Northwest
Project Address: 2690 Walnut Ave

Signal Hill, CA

EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

| Sample ID: | METHOD BLANK | SAMPLING BLANK | METHOD BLANK | SAMPLING BLANK | | |
|-----------------------------|------------------|-------------------|------------------|-------------------|-----------------|--------------|
| Jones ID: | 072821- E2MB1 | 072821- E2SB1 | 072821- E3MB1 | 072821- E3SB1 | Reporting Limit | <u>Units</u> |
| Analytes: | | | | | | |
| Benzene | ND | ND | ND | ND | 8 | μg/m3 |
| Bromobenzene | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Bromodichloromethane | ND | ND | ND | ND | 8 | μg/m3 |
| Bromoform | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| n-Butylbenzene | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| sec-Butylbenzene | ND | ND | ND | ND | 12 | μg/m3 |
| tert-Butylbenzene | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| Carbon tetrachloride | ND | ND | ND | ND | 8 | μg/m3 |
| Chlorobenzene | ND | ND | ND | ND | 8 | μg/m3 |
| Chloroform | ND | ND | ND | ND | 8 | μg/m3 |
| 2-Chlorotoluene | ND | ND | ND | ND | 12 | μg/m3 |
| 4-Chlorotoluene | ND | ND | ND | ND | 12 | μg/m3 |
| Dibromochloromethane | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dibromo-3-chloropropane | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dibromoethane (EDB) | ND | ND | ND | ND | 8 | μg/m3 |
| Dibromomethane | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2- Dichlorobenzene | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| 1,3-Dichlorobenzene | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| 1,4-Dichlorobenzene | ND | ND | ND | ND | 16 | μg/m3 |
| Dichlorodifluoromethane | ND | ND | ND | ND | 32 | $\mu g/m3$ |
| 1,1-Dichloroethane | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dichloroethane | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,1-Dichloroethene | ND | ND | ND | ND | 8 | μg/m3 |
| cis-1,2-Dichloroethene | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| trans-1,2-Dichloroethene | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dichloropropane | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,3-Dichloropropane | ND | ND | ND | ND | 8 | μg/m3 |
| 2,2-Dichloropropane | ND | ND | ND | ND | 16 | μg/m3 |
| 1,1-Dichloropropene | ND | ND | ND | ND | 10 | $\mu g/m3$ |

JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

EPA 8260B – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

| Sample ID: | METHOD BLANK | SAMPLING BLANK | METHOD BLANK | SAMPLING BLANK | | |
|----------------------------------|------------------|-------------------|------------------|-------------------|------------------|--------------|
| Jones ID: | 072821- E2MB1 | 072821- E2SB1 | 072821- E3MB1 | 072821- E3SB1 | Reporting Limit | <u>Units</u> |
| Analytes: | | | | | | |
| cis-1,3-Dichloropropene | ND | ND | ND | ND | | $\mu g/m3$ |
| trans-1,3-Dichloropropene | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Ethylbenzene | ND | ND | ND | ND | | $\mu g/m3$ |
| Freon 113 | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| Hexachlorobutadiene | ND | ND | ND | ND | 24 | $\mu g/m3$ |
| Isopropylbenzene | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 4-Isopropyltoluene | ND | ND | ND | ND | 8 | μg/m3 |
| Methylene chloride | ND | ND | ND | ND | 8 | μg/m3 |
| Naphthalene | ND | ND | ND | ND | | μg/m3 |
| n-Propylbenzene | ND | ND | ND | ND | | μg/m3 |
| Styrene | ND | ND | ND | ND | | μg/m3 |
| 1,1,2-Tetrachloroethane | ND | ND | ND | ND | | μg/m3 |
| 1,1,2,2-Tetrachloroethane | ND | ND | ND | ND | | μg/m3 |
| Tetrachloroethene | ND | ND | ND | ND | | μg/m3 |
| Toluene | ND | ND | ND | ND | | μg/m3 |
| 1,2,3-Trichlorobenzene | ND | ND | ND | ND | | μg/m3 |
| 1,2,4-Trichlorobenzene | ND | ND | ND | ND | | μg/m3 |
| 1,1,1-Trichloroethane | ND | ND | ND | ND | | μg/m3 |
| 1,1,2-Trichloroethane | ND | ND | ND | ND ND | | μg/m3 |
| Trichloroethene | ND ND | ND | ND | ND ND | | |
| Trichlorofluoromethane | ND ND | ND | ND ND | ND ND | | μg/m3 |
| | ND ND | ND ND | ND ND | ND ND | | μg/m3 |
| 1,2,3-Trichloropropane | | | ND ND | | | μg/m3 |
| 1,2,4-Trimethylbenzene | ND | ND | | ND | | μg/m3 |
| 1,3,5-Trimethylbenzene | ND | ND | ND | ND | | $\mu g/m3$ |
| Vinyl chloride | ND | ND | ND | ND | | $\mu g/m3$ |
| m,p-Xylene | ND | ND | ND | ND | | $\mu g/m3$ |
| o-Xylene | ND | ND | ND | ND | | μg/m3 |
| MTBE | ND | ND | ND | ND | | μg/m3 |
| Ethyl-tert-butylether | ND | ND | ND | ND | | μg/m3 |
| Di-isopropylether | ND | ND | ND | ND | | μg/m3 |
| tert-amylmethylether | ND | ND | ND | ND | | μg/m3 |
| tert-Butylalcohol | ND | ND | ND | ND | 400 | μg/m3 |
| Gasoline Range Organics (C4-C12) | ND | ND | ND | ND | 2000 | $\mu g/m3$ |
| Tracer: | | | | | | |
| n-Pentane | ND | ND | ND | ND | | μg/m3 |
| n-Hexane | ND | ND | ND | ND | | μg/m3 |
| n-Heptane | ND | ND | ND | ND | 80 | μg/m3 |
| Dilution Factor | 1 | 1 | 1 | 1 | | |
| Surrogate Recoveries: | | | | | QC Limits | |
| Dibromofluoromethane | 121%^ | 114%^ | 105% | 100% | 60 - 140 | |
| Toluene-d ₈ | 100% | 104% | 93% | 90% | 60 - 140 | |
| 4-Bromofluorobenzene | 106% | 107% | 98% | 96% | 60 - 140 | |
| D (L ID | E2-072821- | E2-072821- | E3-072721- | E3-072721- | | |
| Batch ID: | 01 | 01 | 01 | 01 | | |

 $^{^{\}wedge}$ = 1,2-dichloroethane-d4 used as surrogate for this batch.

072821-E2LCS1

072821-E2CCV1

JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client: Mearns Consulting Group Report date: 7/28/2021
Client Address: 738 Ashland Avenue, Jones Ref. No.: E-1173

Santa Monica CA 90405

Attn: Susan L Mearns PhD Date Sampled: 7/28/2021

Town Center Northwest

2690 Walnut Ave

Date Received: 7/28/2021

Date Analyzed: 7/28/2021

Physical State: Soil Gas

Project Address: 2690 Walnut Ave Signal Hill, CA

Project:

EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

072821-E2LCSD1

Batch ID: E2-072821-01

Jones ID:

| Jones ID. | 072021-E2ECS1 | 072021-E2LCSD1 | | 07 | 2021-E2CC | V 1 |
|----------------------------------|-------------------|-------------------|------|---------------|------------------|---------------|
| | LCS | LCSD | | Acceptability | | Acceptability |
| <u>Parameter</u> | Recovery (%) | Recovery (%) | RPD | Range (%) | CCV | Range (%) |
| Vinyl chloride | 142% ¹ | 151%1 | 6.2% | 60 - 140 | 50% ¹ | 80 - 120 |
| 1,1-Dichloroethene | 121% | 126% | 3.7% | 60 - 140 | 103% | 80 - 120 |
| Cis-1,2-Dichloroethene | 124% | 129% | 4.0% | 70 - 130 | 106% | 80 - 120 |
| 1,1,1-Trichloroethane | 124% | 121% | 2.5% | 70 - 130 | 112% | 80 - 120 |
| Benzene | 119% | 124% | 4.4% | 70 - 130 | 110% | 80 - 120 |
| Trichloroethene | 106% | 112% | 5.9% | 70 - 130 | 103% | 80 - 120 |
| Toluene | 120% | 128% | 6.8% | 70 - 130 | 116% | 80 - 120 |
| Tetrachloroethene | 129% | 134% ² | 3.9% | 70 - 130 | 120% | 80 - 120 |
| Chlorobenzene | 99% | 101% | 2.3% | 70 - 130 | 96% | 80 - 120 |
| Ethylbenzene | 78% | 83% | 6.3% | 70 - 130 | 87% | 80 - 120 |
| 1,2,4 Trimethylbenzene | 119% | 123% | 3.1% | 70 - 130 | 118% | 80 - 120 |
| Gasoline Range Organics (C4-C12) | 109% | 115% | 5.0% | 70 - 130 | 108% | 80 - 120 |
| Surrogate Recovery: | | | | | | |
| 1,2-Dichloroethane-d4 | 120% | 119% | | 60 - 140 | 110% | 60 - 140 |
| Toluene-d ₈ | 101% | 102% | | 60 - 140 | 102% | 60 - 140 |
| 4-Bromofluorobenzene | 105% | 105% | | 60 - 140 | 108% | 60 - 140 |

¹Recovery outside of acceptable limits. If compound was found in sample, the sample would have been re-ran for confirmation.

²Recovery outside of acceptable limits. CCV and LCS recoveries and LCS/LCSD RPD were within QC limits, therefore data was accepted.

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: Mearns Consulting Group **Report date:** 7/28/2021

738 Ashland Avenue, Jones Ref. No.: E-1173 **Client Address:**

Santa Monica CA 90405

Susan L Mearns PhD **Date Sampled:** 7/28/2021 Attn:

> **Date Received:** 7/28/2021 Town Center Northwest **Date Analyzed:** 7/28/2021 2690 Walnut Ave Physical State: Soil Gas

Project Address: Signal Hill, CA

EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

QC ID: E3-072821-01

Project:

| Jones ID: | 072821-E3LCS1 | 072821-E3LCSD1 | | 07 | 2821-E3CC | V1 |
|----------------------------------|---------------|----------------|------------|---------------|-----------|---------------|
| | LCS | LCSD | | Acceptability | | Acceptability |
| <u>Parameter</u> | Recovery (%) | Recovery (%) | <u>RPD</u> | Range (%) | CCV | Range (%) |
| Vinyl chloride | 83% | 81% | 2.2% | 60 - 140 | 100% | 80 - 120 |
| 1,1-Dichloroethene | 110% | 101% | 8.9% | 60 - 140 | 94% | 80 - 120 |
| Cis-1,2-Dichloroethene | 111% | 109% | 1.8% | 70 - 130 | 101% | 80 - 120 |
| 1,1,1-Trichloroethane | 100% | 98% | 2.4% | 70 - 130 | 99% | 80 - 120 |
| Benzene | 124% | 124% | 0.3% | 70 - 130 | 118% | 80 - 120 |
| Trichloroethene | 126% | 112% | 12.1% | 70 - 130 | 109% | 80 - 120 |
| Toluene | 104% | 103% | 1.6% | 70 - 130 | 105% | 80 - 120 |
| Tetrachloroethene | 106% | 112% | 5.8% | 70 - 130 | 103% | 80 - 120 |
| Chlorobenzene | 110% | 109% | 0.7% | 70 - 130 | 112% | 80 - 120 |
| Ethylbenzene | 103% | 99% | 4.3% | 70 - 130 | 106% | 80 - 120 |
| 1,2,4 Trimethylbenzene | 91% | 91% | 0.3% | 70 - 130 | 99% | 80 - 120 |
| Gasoline Range Organics (C4-C12) | 106% | 104% | 1.4% | 70 - 130 | 107% | 80 - 120 |
| Surrogate Recovery: | | | | | | |
| Dibromofluoromethane | 100% | 102% | | 60 - 140 | 100% | 60 - 140 |
| Toluene-d ₈ | 94% | 94% | | 60 - 140 | 93% | 60 - 140 |
| 4-Bromofluorobenzene | 97% | 100% | | 60 - 140 | 98% | 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%



11007 Forest Pl. Senta Fe Springs, CA 90670 (714) 449-9937 Fax (714) 449-9685 www.ioneseny.com

| Client Mearns Consulting Grou Project Name Town Center Northwest | · ; | : | | | | 7/28/202 Client Project # | :1 | 0.1P.) | urge Numbe \$13P in 7P in In Test: (Y | □ 10F | | | Rej EDD_ EDF* - | | _ | | • | Jones | Project | | ÷ |
|---|------------------------|--------------------------|---|------------------------------|-----------------------------|--|----------------------------|--|---|--|------------|-----------------|-----------------------|------|-------------------|---------|-------------|--------------------------------|---|------------|----|
| Project Address 2890 Walinut Ave Signal Hill, CA Grad Phone | | | | | | Turn Around Rec immediate Atten Rush 24 Hours Rush 48 Hours Rush 72 Hours Normal Mobile Lab Reportin | tion g Limite | n-penti it n-hexe tt n-hepti isoproj il 1,1-DF | ne ine był Alchohol A | Material (94) | ? 5 | lyeki százáso e | Rec | Jues | ecuum (firffig.O) | dainers | | GASTIG | Of Container: HT GLASS SY than show, see | | |
| Report To Susan L Mearns PhD | and Arthur Caracher | Sempler Casey | Eliks | | | KStandard B | Low Level* wichings for | n MDL* these limits | JO/17 | ###################################### | 3 | Reng | | | 2 | of Co | | | | | |
| Sample ID | Purge Hualbar | Purgs Volume (mL) | Deta | Sample Collection Time | Sarupiu Analysia Timo | Laboratory Sample ID | Perge Rate (inLinkin) | Pump Used | Magnehelit | Sample of Cas (B | EPA 828 | Geechine | | | Magnah | Number | No | tes & Spe | icial Instru | ctions | |
| SV9-15 | 3 | 1470 | 7/28/21 | 7:13 | 7:15 | E-1173-01 | 200 | CASEY.2 | M100.203 | SG | X | X | | | 10 | 1 | | | *** | | |
| SV9-15 REP | 3 | 1470 | 7/28/21 | 7:23 | 7:31 | E-1173-02 | 200 | CASEY.2 | M100.203 | SG | x | Х | | | 10 | 1 | | | | | |
| 8V10-5 | 3 | 1310 | 7/28/21 | 7:25 | 7:28 | E-1173-03 | 200 | CASEY.1 | 118012 | SG | × | х | | | ⋖ | 1 | | | • | | |
| SV10-15 | 3 | 1470 | 7/28/21 | 7:44 | 7:49 | E-1173-04 | 200 | CASEY.2 | M100.114 | SG | х | х | | | <2 | 1 | | | | | |
| SV11.5 | 3 | 1310 | 7/28/21 | 7:41 | 7:47 | E-1173-06 | 200 | CASEY.1 | M100.201 | SG | х | х | | | <2 | 1 | | | | | |
| SV11-15' | 3 | 1470 | 7/28/21 | 8:03 | 8:07 | E-1173-08 | 200 | CASEY.2 | M100.203 | SG | × | × | | | <2 | 1 | | | | | |
| SV12-5 | 3 | 1310 | 7/28/21 | 8:00 | 8:05 | E-1173-07 | 200 | CASEY.1 | 118012 | SG | × | x | | | <2 | 1 | | | · | <u> </u> | - |
| SV12-15' | 3 | 1470 | 7/28/21 | 8:20 | 8:25 | E-1173-06 | 200 | CASEY.2 | M100.114 | SG | x | х | | | <2 | 1 | | · | | | |
| SV13-5 | 3. | 1310 | 7/28/21 | 8:23 | 8:24 | E-1173-09 | 200 | CASEY.1 | M100.201 | SG | х | х | | | <2 | 1 | | | | | |
| SV13-5' REP | 3 | 1310 | 7/28/21 | 8:33 | 8:42 | E-1173-10 | 200 | CASEY.1 | M100.201 | SG | X | x | | 寸 | <2 | 1 | | ··· | | | |
| Paper un and Andrew | 1 | Printed Nati SUSAM ME | | <u> </u> | | Leberatory Signature | 5/10 | \ | | ted Na | | <u> </u> | | ! | | 10 | Total Numb | er of Contai | inent | | |
| Company | | Date | | Time | | Company JONES ENVIRONMENTA | | | Det | 7/28/20 | 71 | Ť | ime 11: | 46 | | | | | | | |
| Magms Consuling Group Representative Signature | | Printed Nat | /2021 | | :45 | Laboratory Signature | <u></u> | <u>.</u> | | ted No. | | | 143 | | | ac | knowledgerr | ent that the re information | of Custody above analys in provided h | ee have be | en |
| Company | | Date | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | Time | | Company | | | Dat | • | | Ti | ree | | | | | and ec | cursie. | | |



11007 Forest PI Sente Fe Springs, CA 90870 (714) 449-9397 Fax (714) 449-9395 MANN IONBERTY (201

| clent Mearns Consulting Grou | ıp . | | | | | Data 7/28/202 | 2j | | urge Numbe (3P a 79 i | | | | Ra EDP EDF* | port (| | 15 | LAB USE ONLY Jones Project # |
|-------------------------------------|---|--------------------------|---------------|------------------------------|----------------------------|--|-------------------------|---|--------------------------|---|-----------|-----------|---------------------|--|--------------|-----------------------|---|
| Project Name | | | | | | Cleant Project # | • | | | ٠ | | | (1 ⁹⁸). | | | 3117 | E.4476 |
| Town Center Northwest | | | in the second | <u> </u> | 2.3 | 1 | 3.9 | SINI | ·In Teat 🏵 |)/ N | 14. | | | m 4D | <u> </u> | May Artist Table 1 | |
| Project Address 2890 Walkeut Ave | | - 22-1-1 | | | | Turn Abound Re | | | ecer | | he | lye k | | dno | ted | | |
| Signal Hill, CA Empl | #44 *********************************** | | | | | o Ruite 34 Hours o Ruite 48 Hours o Ruite 48 Hours | | if n-penti st n-hees if n-hees a leopiti | | | | | | | 8 | X | 2 of 3 Sample Challege |
| Phone | | | | | | □ Normal s Mobile Lab Reportin | a Limie | o 1,1-DF | | \$ 1 | ĵ. | Crosses | | | THE STATE OF | • | CARACTICANT CHARAS SYRBOGE |
| Report to Susan L Mearns PhD | | Sampler Casey | Ells | | | Standard o | Low Level* | | LIES/N2 | 2 4 5 E | DE (VOCE) | Range | | | 3 | Of Confe | |
| Sample EV | Purgo Number | Purge Volume (shL) | Date | Sample Collection Time | Sample Analysis Time | Laboratory Sample C | Purgo Pitto (mL/mit) | Pump Vood | Magashella | Service Servic | EPA 624 | e dascina | | | 1 | Number | Notes & Special Instructions |
| SV13-15' | 3 | 1470 | 7/28/21 | 8:34 | 8:43 | E-1173-11 | 200 | CASEY.2 | M100,203 | SG | X | X | | | <2 | 1. | |
| SV14-5' | 3 | 1310 | 7/28/21 | 8:56 | 9:01 | E-1173-12 | 200 | CASEY.1 | 118012 | SG | X | X. | 12. | | <2 | 1 | |
| SV14-15' | 3 | 1470 | 7/28/21 | 8:57 | 9:02 | E-1173-13 | 200 | CASEY.2 | M100.114 | SG | X | × | | 8 7 y 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | <2 | 1 | |
| SV15-5 | 3 | 1310 | 7/26/21 | 9:16 | 9:19 | E-1173-14 | 200 | CASEY.1 | M100,201 | 8 G | X | X | | | <2 | 1 | |
| SV15-15' | 3 | 1470 | 7/28/21 | 9 :17 | 9:20 | E-1173-15 | 200 | CASEY.2 | M100.203 | SG | X | X | 673 | | <2 | 1 | A many transfer of the second |
| SV16-5' | 3 | 1310 | 7/28/21 | 9:33 | 9:38 | E-1173-16 | 200 | CASEY.1 | 118012 | SG | X | X | | | ₹2 | 1 | |
| SV16-15' | 3 | 1470 | 7/28/21 | 9:34 | 9:39 | E-1173-17 | 200 | CASEY.2 | M100.114 | SG | X | X | | | <2 | 1 | <u> </u> |
| SV17-5' | 3 | 1310 | 7/28/21 | 9:52 | 9:57 | E-1173-18 | 200 | CASEY.1 | M100.201 | SG | X | х | 145 | | <2 | 1 | |
| SV17-15' | 3 | 1470 | 7/28/21 | 9:53 | 9:58 | E-1173-19 | 200 | CASEY.2 | M100.203 | SG | X | X | | | <2 | 1 | ~ |
| SV18-5' | - 3 | 1310 | 7/28/21 | 10:13 | 10:16 | Ę-1173-20 | 200 | CASEY.1 | 118012 | SG | X | X | | | <2 | 1 | |
| Rapro contactly Signature | | Printed Ne SUSAN ME | | | | Laboratory Signature | Ell | 1 | | ied Han EY ELL | | | | | | 10 | Total Number of Continers |
| Company Means Considing Group | | | /2021 | Time 11 | :48 | Company JONES ENVIRONMENT/ | AL, INC. | | | 7/29/202 | | Ī | me 11: | :46 | | | nt signature on this Cheir of Custody form constitutes |
| Representative Signature Company | | Printed Na Cate | | Time | | Laboratory Signature Company | | · • • • • • • • • • • • • • • • • • • • | Date | ted Nam | | Ŧ | ine | | | | knowledgement that the above analyses have been ested, and the information provided herein is correct and accurate. |



11007 Forest Pl Santa Fe Springs, CA 90876 (714) 449-9937 Fax (714) 449-9681 www.jonesenv.com

| Chert Means Consulting Grou Project Name Town Center Northwest | P | | . 2. · | | | 7/28/202 Client Project # | : 1 | o 1P | inge Numbe 163P a 7P In Test: (V | # 10f | • | | EDD EDF* | 109 al ID | Sun | | • <u> </u> | | Project (E-117 | |
|--|-----------------|-----------------------------|--------------|------------------------------|----------------------------|---|-----------------------------|--------------------------------------|--|--------------------|------------------|-------------------|-------------|--------------|--------------|---------------|-------------|------------------------------------|---|-------|
| Project Address 2699 Walnest Ave Signal Hill, CA Excel | | | 751 | | | Turn Around Received Attention Rush 24 Hours or Rush 48 Hours or Rush 72 Hours or Normal Mobile Lab | tion | pt n-penti pt n-hexa ptn-hepti | ne me syl Alchohol | 00 1141 | | Organics Organics | Re | que | (Ornertico) | in the second | | | Of Intainer: GLASS SYRI In show, see M | |
| Report To Susan L Moarns PhD | | Sampler Casey | Ellie | | | ं श्रिशकाderd a | Low Level* surcharge for | | 40/11 ³ | b Metric: | EPA &2608 (VOCs) | e Range | | | helic Vacaus | rof Con | | | | |
| Sample ID | Purge Number | Volume (mL) | Date | Sample Collection Time | Sample Analysis Time | Laboratory Sample ID | Parge Rate (mL/min) | Pemp Used | Magnehelit | A STATE | ₽¥G∃ | Gastifine | | | Magre | 1 | No | tes & Spec | lel Inetruc | tions |
| SV18-15' | 3 | 1470 | 7/28/21 | 10:14 | 10:17 | E-1173-21 | 200 | CASEY.2 | M100.114 | SG | X | Х | | | 36 | 1 | | | | • |
| SV19-5' | 3 | 1310 | 7/28/21 | 10:32 | 10:36 | E-1173-22 | 200 | CASEY.1 | M100.201 | SG | × | X | | | ٧ | 1 | | | | |
| SV18-15' DIL | - | - ' | 7/28/21 | 10:46 | 10:48 | - | - | CASEY.2 | M100.114 | SG | × | Х | | ٠, | 38 | 1 | <u></u> | | | |
| SV19-5' DIL | - | - | 7/28/21 | 11:10 | 11:12 | _ | - | CASEY.1 | M100.201 | SG | x | X | | | ٧ | 1 | } | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | ٠ | | | | , <u>-</u> | |
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| | 1 | | | | | | | | | | | | | | | | | | | |
| C | | | | | | | | | | | | | | | | | | | | |
| 911 | | Printed Na SUSAN ME | | | | Cumf | (Gl | 5 | | and Ma KEY EU | | | | | | • | Total Numb | ber of Contains | int | |
| Company Means Consulting Group Representative Signature | | Date 7/25 Printed No. | /2021 mie | Time 11 | :45 | Company JONES ENVIRONMENT/ Laboratory Signature | NL, INC. | | | 7/28/20 Red No. | | | | 1:45 | <u> </u> | * | negbelvans: | ie off laft tree relianneist ec | cve analyee provided he | |
| Сотрану | | Date | | Time | | Company | oc 18-6-1 | | Det | • | | Ťì | M+ | | | | | and accu | | |

APPENDIX C

Boring Logs

| Boring Location | SV1 | | | Elevation | n and Date | um | GROU | JND SURFACE |
|---|---------------------|-----------|------|-----------|------------------------------------|------------------------------|-----------------------------------|-------------------------|
| Drilling Company | Kehoe Dril | ling | | Comple | etion Depth | THE | | 15 FEET |
| Drilling Equipment | Geoprobe 78 | 800 | | Numbe | r of Sample | es | | 3 |
| Boring | 2 1/4 INCH DIA | METER | 3 | Water [| Depth at Da | ate of Ins | tallation | NA |
| Type of Perforation | 6" SS slotted | probe | | Start Da | ate 7/ | 12/21 | Completion | on Date 7/12/21 |
| Type of Perforation Backfill | #3 Sand | d | | Date De | eveloped a | nd Samp | led | NA |
| Type of Seal | BENTONI | TE | | Logged | By S | RF | Checked | By SRF |
| <u> </u> | | | L | OG DATA | 4 | SAM | PLE DATA | |
| DESCR | IPTION | LITHOLOGY | nscs | WELL | OVA-PPM | SAMPLE | SAMPLE | REMARKS |
| 1 — 2 — 3 — 4 — 5 — CLAY: Lt brn, firm, d Pr Plasticity 6 — 7 — 8 — 6 | ense, masive | | CL | | #3 San 0 ■ Bentoni — 1/4 " poly | SV1- | 5' 5-5. | 5' NO STAIN NO ODOR |
| 10— CLAY: Lt-med brn, f pr plastivity | irm, dense, massive | 772 | CL | | 0 | SV1- | 10' 10.0-1 | 0.5 NO STAIN NO ODOR |
| 13— 14— SAND: Gry-Grn, v fn 15— TD 15.5' | massive, "sugar San | d" | SP | i/a | — Hydrated — 6" SS P | d bentonite rabe SV1-1 | | NO STAIN NO ODOR |
| MEAF CONSU COF | LTING | | Pro | ject Numb | per | Town | G LOG Center N Hill, Califo | 1W |

| Drilling Company Drilling Equipment | Kehoe Drill | | | | | | | | SURFACE |
|---|-----------------|-----------|------|-----------|------------|-------------------------|-----------|-----------------------|---------------------|
| Orilling Equipment | Tronog Brill | ing | | Comple | tion Dept | h | | 15 F | EET |
| 0 171 | Geoprobe 78 | 300 | | Number | of Samp | les | | | 3 |
| Boring | 2 1/4 INCH DIAI | METER | 3 | Water D | Depth at D | ate of | nstalla | tion | NA |
| Type of Perforation | 6" SS slotted j | probe | | Start Da | ate | 7/12/21 | Con | npletion D | Date 7/12/21 |
| Type of Perforation Backfill | #3 Sand | 7 | | Date De | eveloped | and Sa | mpled | | NA |
| Type of Seal | BENTONIT | ΓE | | Logged | Ву | SRF | Che | cked By | SRF |
| 6 | | | L | OG DATA | 1 | S | AMPLE | DATA | |
| DESCRI | PTION | LITHOLOGY | nscs | WELL | OVA-PPM | SAMDIE | NUMBER | SAMPLE | REMARKS |
| 0 Dirt Surface | | | | | | + | - | | |
| 1 — 2 — 3 — 4 — 5 — CLAY: Lt brn, firm, de Pr Plasticity 6 — 7 — 8 — 9 — 40 | | 7772 | CL | | | S\ nite ly tubinç | | 5-5.5' | NO STAIN NO ODOR |
| 10— CLAY: Lt-med brn, file pr plasticity 11— 12— 13— 14— | | | | | O Hydrati | ed bento | | 10.0-10.5 | NO ODOR |
| 15 Buff, massive, TD 15.5' | v fn sandy | KBKBKE | ML | Ū/A | 0 | sv | 2-15' | 15-15.5 | NO STAIN NO ODOR |
| MEAF | RNS | | T | | | | | og sv | 2 |
| CONSU | TING | | | | | | | nter NW California | |
| COR | | | Dro | ject Numb | er | Date | ai rilli, | PM | |

| Boring Location | SV3 | | | Elevation | and Datum | 1 | GROUND | SURFACE |
|--|-------------------|-----------------|------|------------|--------------------------------|----------------|--------------------------|---------------------|
| Orilling Company | Kehoe Dr | rilling | | Completio | on Depth | 77- | 15 FI | EET |
| Drilling Equipment | Geoprobe 1 | 7800 | | Number o | f Samples | | | 3 |
| Boring | 2 1/4 INCH DI | AMETER | 7 | Water De | pth at Date | e of Installa | ation | NA |
| Type of Perforation | 6" SS slotte | d probe | | Start Date | 7/12 | 2/21 Coi | mpletion D | ate 7/12/21 |
| Type of Perforation Backfill | #3 Sar | nd | | Date Dev | eloped and | d Sampled | | NA |
| Type of Seal | BENTON | IITE | | Logged B | y SRI | F Ch | ecked By | SRF |
| | | | L | OG DATA | | SAMPLE | DATA | |
| DESCRI | PTION | LITHOLOGY | nscs | WELL | OVA-PPM | SAMPLE | SAMPLE | REMARKS |
| Dirt Surface | | | | | | | | |
| 3 — 4 — 5 — CLAY: Lt brn, firm, de Pr Plasticity | ense, masive | 272 | CL | | - #3 Sand 0 - Bentonite | A | 5-5.5' | NO STAIN NO ODOR |
| 9 — CLAY: Lt-med brn, fi pr plasticity | rm, dense, massiv | /e /// / | CL | | 0 | SV3-10' | 10.0-10.5 | NO STAIN NO ODOR |
| 13— 14— 15— SILT: Buff, massive, TD 15.5' | v fn sandy | Rexexe | ML | | Hydrated I - 6" SS Pro 0 | | 15-15.5 | NO STAIN NO ODOR |
| MEAF | LTING | | | | | Signal Hill | enter NW , California | 1 |
| COF | rP. | | Pro | ject Numbe | | ate 2, 2021 | PN | n Page |

| Boring Location | SV4 | 3007 | Elevation | and Datum | 1 (| GROUND S | BURFACE |
|---|-----------------------------|-------|--|---------------------------------------|-------------------------------------|-----------|---------------------|
| Drilling Company | Kehoe Drilling | | Complet | ion Depth | | 15 FE | ET |
| Orilling Equipment | Geoprobe 7800 | | Number | of Samples | | 7 | 3 |
| Boring | 2 1/4 INCH DIAME | TER | Water D | epth at Date | of Installa | tion | NA |
| ype of Perforation | 6" SS slotted pro | be | Start Da | te 7/12 | /21 Con | pletion D | ate 7/12/21 |
| ype of Perforation Backfill | #3 Sand | | Date De | veloped and | Sampled | | NA |
| ype of Seal | BENTONITE | | Logged | By SRF | Che | cked By | SRF |
| 6 1 | | | OG DATA | | SAMPLE | DATA | |
| DESCRII | PTION | USCS | WELL | OVA-PPM | SAMPLE | SAMPLE | REMARKS |
| Dirt Surface 1 — 2 — 3 — 4 — 5 — CLAY: Lt brn, firm, de Pr Plasticity 6 — 7 — 8 — Macro core refusal 8', 6 | | CL | #1 # 1 # 1 # 1 # 1 # 1 # 1 # 1 # 1 # 1 | #3 Sand 0 Bentonite − 1/4 " poly t | | 5-5.5' | NO STAIN NO ODOR |
| 10— CLAY: Lt-med brn, fi pr plasticity 11— 12— 13— | rm, dense, massive Z | CL CL | | 0 | | 10.0-10.5 | NO STAIN NO ODOR |
| 15— SILT: Buff, massive, TD 15.5' | , v fn sandy | ML | 1/4 | — Hydrated I — 6" SS Pro 0 | be | 15-15.5 | NO STAIN NO ODOR |
| MEAF | RNS | | | E | BORING I Town Ce Signal Hill, | enter NW | |
| COF | | Pr | oject Numb | | ate 2, 2021 | PM | n Page 1 of 1 |

| Boring Lo | ocation | SV5 | | | Elevation | n and D | atum | | GROUND | SURFACE |
|------------------------------|--|---------------|----------------|-------|----------------|------------|----------------------------|----------------------|-----------------------------------|---------------------|
| Drilling C | Company | Kehoe Dr | rilling | | Comple | tion De | oth | | 15 F | EET |
| Drilling E | Equipment | Geoprobe 1 | 7800 | | Numbe | r of Sam | ples | | | 3 |
| Boring | | 2 1/4 INCH DI | AMETER | 3 | Water I | Depth at | Date o | f Installa | ation | NA |
| Type of I | Perforation | 6" SS slotte | d probe | | Start Da | ate | 7/12/2 | Cor | mpletion D |)ate 7/12/21 |
| Type of I | Perforation Backfill | #3 Sar | nd | | Date De | evelope | d and S | ampled | W | NA |
| Type of S | Seal | BENTON | IITE | | Logged | Ву | SRF | Che | ecked By | SRF |
| fi I | | | | L | OG DATA | 1 | = 1/ ju | SAMPLE | DATA | |
| DEPTH (FEET) | DESCRI | PTION | ПТНОГОВУ | nscs | WELL | OVA-PPM | | SAMPLE | SAMPLE | REMARKS |
| 0 1 | Dirt Surface | | | A THE | * | | | | | |
| 6 - | CLAY: Med brn, firm, Pr Plasticity | dense, masive | 7/2 | CL | | 0 ← Ben | Sand tonite poly tub | SV5-5' ing | 5-5.5' | NO STAIN NO ODOR |
| 9 — 10 — <u>c</u> 11 — | CLAY: Lt-med brn, fi silty, pr plasti | | /e //// | CL | | 0 | | SV5-10' | 10.0-10.5 | NO STAIN NO ODOR |
| 13 | SILT: Buff, massive, | v fn sandy | KENEK | ML | | | ated be | | 15-15.5 | NO STAIN NO ODOR |
| | MEAF CONSUI COF | LTING | | Pro | J Dject Num | ber | | Town Co gnal Hill | LOG SV enter NW , Californi | a |

| Boring | Location | SV6 | | | Elevation | and Datur | n | GROUND S | SURFACE |
|---------------------------------|--|--------------------|------------|----------|------------|-----------------|--|-------------------------------------|---------------------|
| Drilling | Company | Kehoe Dril | ling | | Complet | ion Depth | | 15 FI | EET |
| Drilling | Equipment | Geoprobe 78 | B00 | | Number | of Samples | 3 | | 3 |
| Boring | | 2 1/4 INCH DIA | METER | 7 | Water D | epth at Dat | e of Installa | ation | NA |
| Гуре о | f Perforation | 6" SS slotted | probe | robe Sta | | te 7/1 | 3/21 Co | mpletion Date 7/13/ | |
| Type of | Perforation Backfill | #3 Sand | ı | | Date De | veloped an | Depth Samples 3 th at Date of Installation NA 7/13/21 Completion Date 7/10 Oped and Sampled NA SRF Checked By SRF SAMPLE DATA WILLIAM WAS NA WHAT SAMPLE DATA WHAT SAMPLE DATA WHAT SAMPLE DATA WHAT SAMPLE DATA WHAT SAMPLE DATA WHAT SAMPLE DATA WHAT SAMPLE DATA WHAT SAMPLE DATA WHAT SAMPLE DATA WHAT SAMPLE DATA WHAT SAMPLE DATA WHAT SAMPLE DATA WHAT SAMPLE DATA WHAT SAMPLE DATA WHAT SAMPLE DATA WHAT SAMPLE DATA NO STAMPLE DATA WHAT SAMPLE DATA WHAT SAMPLE DATA WHAT SAMPLE DATA WHAT SAMPLE DATA NO STAMPLE DATA WHAT SAMPLE DATA NO STAMPLE DATA WHAT SAMPLE | | NA |
| Type of | Seal | BENTONI | TE | | Logged | By SR | F Ch | ecked By | SRF |
| 6 | | | | L | OG DATA | | SAMPLE | DATA | |
| DEPTH (FEET) | DESCRI | PTION | LITHOLOGY | nscs | WELL | OVA-PPM | SAMPLE | SAMPLE | REMARKS |
| 0 | Dirt Surface | | | | 8 9 9 | | | | |
| 1 — 2 — 3 — 4 — 5 — 7 — 8 — 9 — | CLAY: Lt brn, firm, de Pr Plasticity | ense, masive | 777 | CL | | 0 ← Bentonit | SV6-5' | 5-5.5' | NO STAIN NO ODOR |
| 10- | CLAY: Lt-med brn, finger plasticity | rm, dense, massive | <i>777</i> | CL | | | | 10.0-10.5 | NO STAIN NO ODOR |
| 14— 15— 16— | SILT: Off wht, massi | ve, v fn sandy | SEXESS | ML | | | | 15-15.5 | NO STAIN NO ODOR |
| | MEAF | LTING | | | | | | LOG SV enter NW I, California | |
| | COF | P. | | Pro | oject Numb | er [| Date 13, 2021 | PN | // Pag |

| Boring Location | SV7 | | | Elevation | n and Datu | m | GROUND | SURFACE |
|---|-------------------|------------------|------|-----------|----------------------------------|----------------------------------|------------|---------------------|
| Drilling Company | Kehoe Drilli | ing | | Comple | etion Depth | | 15 F | EET |
| Orilling Equipment | Geoprobe 78 | 00 | | Numbe | r of Sample: | 3 | | 3 |
| Boring | 2 1/4 INCH DIAM | METER | 3 | Water [| Depth at Dat | e of Installa | ation | NA |
| Type of Perforation | 6" SS slotted p | orobe | obe | | ate 7/1 | 3/21 Co | mpletion D | Date 7/13/21 |
| Type of Perforation Backfill | #3 Sand | | | Date De | eveloped an | d Sampled | the second | NA |
| Type of Seal | BENTONIT | E | | Logged | By SF | F Ch | ecked By | SRF |
| 6 | | | L | OG DATA | 4 | SAMPLE | DATA | |
| DESCRIF | PTION | LITHOLOGY | nscs | WELL | OVA-PPM | SAMPLE | SAMPLE | REMARKS |
| Dirt Surface 1 — 2 — 3 — 4 — 5 — CLAY: Lt brn, firm, der Pr Plasticity 6 — 7 — 8 — 9 — | nse, masive | 7772 | CL | | #3 Sand 0 Bentonite 1/4 " poly | SV7-5' | 5-5.5' | NO STAIN NO ODOR |
| 10— CLAY: Lt-med bm, fir pr plasticity 11— 12— 13— 14— | m, dense, massive | <i>///</i> | CL | | O Hydrated | | 10.0-10.5 | NO STAIN NO ODOR |
| 15 SILT: Buff, massive, 15 TD 15.5' | v fn sandy | KBKBKE | ML | | - 6" SS Pr 0 | SV7-15' | 15-15.5 | NO STAIN NO ODOR |
| MEAR | TING | | | | E | BORING Town Ce Signal Hill | enter NW | |
| COR | P. | | Pro | ject Numb | | ate 13, 2021 | PN | Page 1 of 1 |

| Boring Location | SV8 | | | Elevation | and Datur | n | GROUND S | BURFACE |
|---|-----------------------------|-----------|------|------------|--|---------------------|------------|-------------------------|
| Orilling Company | Kehoe Dri | illing | | Completion | on Depth | | 15 FE | |
| Orilling Equipment | Geoprobe 7 | 800 | | Number of | of Samples | | - 7-1 | 3 |
| Boring | 2 1/4 INCH DI/ | AMETER | 3 | Water De | epth at Dat | e of Installa | tion | NA |
| Type of Perforation | 6" SS slotted | probe | | | e 7/1 | 3/21 Con | npletion D | ate 7/13/21 |
| Type of Perforation Backfil | #3 San | d | | Date Dev | eloped an | d Sampled | | NA |
| Type of Seal | BENTON | ITE | | Logged E | By SR | F Che | ecked By | SRF |
| 6 | | | L | OG DATA | | SAMPLE | DATA | |
| DEPTH | RIPTION | LITHOLOGY | nscs | WELL | OVA-PPM | SAMPLE | SAMPLE | REMARKS |
| 0 Dirt Surface | | | | 81818 | | | | |
| 1 — 2 — 3 — 4 — 5 — CLAY: Lt brn, firm, Pr Plasticity 6 — 7 — 8 — 9 — | dense, masive | 777 | CL | | — #3 Sand 0 — Bentonit - 1/4 " poly | SV8-5' | 5-5.5' | SLT STAIN NO ODOR |
| 10— CLAY: Lt-med brr pr plasticit | n, firm, dense, massiv y | re ZZZ | CL | | 0 | SV8-10 ¹ | 10.0-10.5 | NO STAIN NO ODOR |
| 13— | | | | | | bentonite | | |
| CLAY Buff, firm, r | nassive, silty asticity | 777 | CL | | — 6" SS Pr 0 | SV8-15' | 15-15.5 | NO STAIN NO ODOR |
| MEA | RNS | | T | | | BORING Town Co | enter NW | |
| | RP. | | Pr | oject Numb | | Date 13, 2021 | P | |

| Boring Loca | tion | SV9 | | | Elevation | and Datur | n | GROUND S | SURFACE | |
|---|-------------------------------|-----------------------------------|------------------|-------------|----------------|----------------------------------|---|------------|---------------------|--|
| Drilling Com | pany | Kehoe Dril | ling | | Complet | ion Depth | | 15 FI | EET | |
| rilling Equi | pment | Geoprobe 7 | 800 | | Number | of Samples | 8 | | 3 | |
| Boring | | 2 1/4 INCH DIA | METER | 1 | Water D | epth at Dat | e of Installa | ation | NA | |
| ype of Per | foration | 6" SS slotted | probe | | Start Da | te 7/1 | 3/21 Cor | mpletion D | ate 7/13/21 | |
| ype of Per | foration Backfill | #3 Sand | d | Date Develo | | veloped an | d Sampled | | NA | |
| ype of Sea | L | BENTONI | TE | | Logged | By SF | RF Che | ecked By | SRF | |
| <u> </u> | | | | L | OG DATA | | SAMPLE | DATA | | |
| DEPTH (FEET) | DESCRI | PTION | LITHOLOGY | nscs | WELL | OVA-PPM | SAMPLE | SAMPLE | REMARKS | |
| 0 Dirt | Surface | | | | S. (2) | | | | | |
| 1 — 2 — 3 — 4 — 5 — CLA 6 — 7 — 8 — 9 — | LY: Dk brn, firm, o | lense, masive | 772 | CL | | #3 Sand 0 Bentonit - 1/4 " poly | SV9-5.0 | 5-5.5' | NO STAIN NO ODOR | |
| 10— CLA | Med brn, firm pr plasticity | , dense, massive | 777 | CL | | 0 | SV9-10' | 10.0-10.5 | NO STAIN NO ODOR | |
| 1 | | | | | | - Hydrated | Dentonite | 1 1 | | |
| 14— | | | | | 30,000,000,000 | - 6" SS P | robe | | | |
| 13- | Med brn, firm 15.5' massiv | , firm, dense e, pr plasticity | 777 | CL | i/a | 0 | SV9-15' | 15-15.5 | NO STAIN NO ODOR | |
| | MEARNS CONSULTING CORP. | | | | oject Numb | | BORING Town C Signal Hill Date | enter NW | a | |

| Boring Location | SV10 | | | Elevation | n and Datur | n (| GROUND : | SURFACE |
|--|--------------------------------------|----------|------|-----------|--|--|------------|---------------------|
| Drilling Company | Kehoe Dr | illing | | Complet | ion Depth | | 15 F | EET |
| Drilling Equipment | Geoprobe | 7800 | | Number | of Samples | | | 3 |
| Boring | 2 1/4 INCH DI | AMETER | 3 | Water D | epth at Dat | e of Installa | tion | NA |
| Type of Perforation | 6" SS slotted | d probe | | Start Da | te 7/1: | 3/21 Con | npletion D | ate 7/13/21 |
| Type of Perforation Backfill | #3 Sar | nd | | Date De | veloped an | d Sampled | | NA |
| Type of Seal | BENTON | IITE | | Logged | By SR | F Che | cked By | SRF |
| 6 | | | L | OG DATA | | SAMPLE | DATA | |
| DEPT | RIPTION | ПТНОГОВУ | nscs | WELL | OVA-PPM | SAMPLE | SAMPLE | REMARKS |
| 0 Dirt Surface | | +- | | | | | | |
| 1 — 2 — 3 — 4 — 5 — CLAY: Dk brn, firm Pr Plasticity 6 — 7 — 8 — 9 — | , dense, masive | 7772 | CL | | #3 Sand 0 Bentonite 1/4 " poly to | SV10-5.0 | 5-5.5' | NO STAIN NO ODOR |
| 10— CLAY: Med brn, fin pr plasticity | | 777 | CL | | 0 | SV10-10' | 10.0-10.5 | NO STAIN NO ODOR |
| 13— 14— 15— CLAY Med brn, first TD 15.5' mass | m, firm, dense ive, pr plasticity | 777 | CL | i'A | Hydrated6" SS Pro0 | Harry Control | 15-15.5 | NO STAIN NO ODOR |
| MEARNS CONSULTING CORP. | | | | ject Numb | er D | ORING L Town Ce Signal Hill, Pate 13, 2021 | nter NW | i |

| Boring Location | SV11 | | | Elevation | and Datur | n (| GROUND | SURFACE | |
|---|-----------------------------------|----------|----------------|-----------|--|--|------------|-------------------------------|--|
| Orilling Company | Kehoe Dr | illing | | Completi | ion Depth | | 15 F | EET | |
| Orilling Equipment | Geoprobe 7 | 7800 | | Number | of Samples | | | 3 | |
| Boring | 2 1/4 INCH DI | AMETER | 3 | Water De | epth at Dat | e of Installa | tion | NA | |
| Type of Perforation | 6" SS slotted | d probe | obe Start Date | | te 7/10 | 3/21 Con | npletion D | Date 7/13/21 | |
| Type of Perforation Backfill | #3 San | ıd | | Date De | veloped an | d Sampled | | NA | |
| Type of Seal | BENTON | IITE | | Logged I | By SR | F Che | cked By | SRF | |
| 6 | | | L | OG DATA | | SAMPLE | DATA | | |
| DESCRI | IPTION | ПТНОГОВУ | nscs | WELL | OVA-PPM | SAMPLE | SAMPLE | REMARKS | |
| 0 Dirt Surface 1 - 2 - 3 - 4 - 4 - | | 1 | | | | | | | |
| 5 — CLAY: Dk brn, firm, of Pr Plasticity | dense, masive | 777 | CL | | - #3 Sand 0 Bentonite - 1/4 " poly t | SV11-5.0 | 5-5.5' | SLT STAIN V SLT ODOR | |
| 9 — 10 — CLAY: Med brn, firm pr plasticity 11 — | n, dense, massive | 777 | CL | | 0 | SV11-10' | 10.0-10.5 | NO STAIN NO ODOR | |
| 13— 14— 15— CLAY Med brn, firm, TD 15.5' massive | , firm, dense e, pr plasticity | 777 | CL | | - Hydrated - 6" SS Pro 0 | | 15-15.5 | NO STAIN NO ODOR | |
| CONSU | MEARNS CONSULTING CORP. | | | | er D | ORING L Town Ce Signal Hill, ate 3, 2021 | nter NW | a | |

| Geoprobe 7 2 1/4 INCH DIA 6" SS slotted #3 San BENTON | '800 AMETER I probe d | | Number Water D Start Da | eveloped and By SRI | of Installated 1/21 Com | ion pletion D | 3 NA |
|---|--|--|--|---|--|---|---|
| 2 1/4 INCH DIA 6" SS slotted #3 San BENTON | AMETER I probe d ITE | L | Water Date De Logged | pepth at Date te 7/13 eveloped and By SRI | of Installation of Installatio | pletion D cked By | NA Pate 7/13/21 NA SRF |
| 6" SS slotted #3 San BENTON | l probe d ITE | L | Start Da Date De Logged OG DATA | eveloped and By SRI | S/21 Com Sampled Check SAMPLE I | pletion D cked By | NA SRF |
| #3 San | ITE | | Date De Logged LOG DATA | eveloped and By SRI | SAMPLE | cked By | NA SRF |
| BENTON | ITE | | Logged LOG DATA | By SRI | SAMPLE I | DATA | SRF |
| | | | OG DATA | | SAMPLE | DATA | |
| RIPTION | ПТНОГОВУ | | E E | | | 42.02 | REMARKS |
| RIPTION | LITHOLOGY | nscs | WELL | уд-РРМ | MBER | MPLE | REMARKS |
| | | | | 0 | SZ | SAI | |
| | | | W. S. W. | | | | |
| dense, masive | 772 | CL | | | | 5-5.5' | NO STAIN NO ODOR |
| | 7// | CL | | 0 | SV12-10'1 | 0.0-10.5 | NO STAIN NO ODOR |
| | | | | | | | |
| e, v fn sandv | F(19).F(1 | IM | DESCRIPTION OF THE PERSON OF T | | | | NO STAIN |
| | 1313131 | IVIL | | U | SV12-15' | 15-15.5 | NO ODOR |
| JLTING | | T | | | Town Cer | nter NW | |
| | m, dense, massive e, v in sandy RNS JLTING RP. | m, dense, massive ZZZ e, v in sandy RNS JLTING | m, dense, massive ZZZ CL e, v fn sandy RNS JLTING | e, v fin sandy RNS JLTING | dense, masive ZZ CL | dense, masive CL Bentonite 1/4 " poly tubing Told Probe e, v fin sandy RNS BORING LO Town Cer Signal Hill, | dense, masive CL Bentonite 1/4 " poly tubing Thydrated bentonite Hydrated bentonite 6" SS Probe SV12-10" 10.0-10.5 Project Number Date Project Number Date Project Number Date Project Number Date Project Number Date Project Number Date Project Number Date Project Number Date Project Number Date Project Number Date Project Number Date Project Number Date Project Number Date |

| Rehoe Drilling eoprobe 7800 INCH DIAMETE SS slotted probe #3 Sand BENTONITE ASSOCIATION AND ADDRESS A | | Number I Water I | eveloped and | of Installation for Installation Sampled | npletion D | 3 NA |
|--|----------|--|--|--|--|---|
| INCH DIAMETE SS slotted probe #3 Sand BENTONITE | | Water I Start Da Date De Logged | Depth at Date ate 7/13 eveloped and By SRE | of Installation i/21 Control Sampled Che SAMPLE | npletion D cked By | NA Date 7/13/21 NA SRF |
| #3 Sand BENTONITE | | Start Date De Logged | eveloped and By SRF | SAMPLE | npletion D cked By DATA | NA SRF |
| #3 Sand BENTONITE | | Date De Logged | eveloped and I By SRF | Sampled Che | cked By | NA SRF |
| BENTONITE | | Logged OG DATA | By SRE | SAMPLE | DATA | SRF |
| | | OG DATA | Α | SAMPLE | DATA | |
| ГТНОГОВУ | | | | | | REMARKS |
| гітногову | SOSN | WELL | OVA-PPM | SAMPLE | SAMPLE | REMARKS |
| | | | | | | |
| ssive | CL | | | ubing | | NO STAIN NO ODOR |
| dy GREEK | ML | 1/4 | | be | 15-15.5 | NO STAIN NO ODOR |
| RNS | | | В | Town Ce | enter NW | |
| NG. | _ | | Later Control | | | |
| 1 | ly 38368 | NG | V PREREE ML IV | TRATE ML O Hydrated 6" SS Pro 0 Project Number | Hydrated bentonite — 6" SS Probe O SV13-15' BORING I Town Ce Signal Hill | Town Center NW Signal Hill, Californi Project Number Date Project Number Date Project Number Date SV13-10' 10.0-10.5 A SV13-10' 10.0-10.5 BY SV13-10' 10.0-10.5 A SV13-10' 10.0-10.5 BY SV13-10' 10.0-10.5 A SV13-10' 10.0-10.5 BORING LOG SV Town Center NW Signal Hill, Californi Project Number Date |

| Boring Location | SV14 | | | Elevation | n and Dati | ım | C | ROUND | SURFACE |
|---|----------------------|----------|------|------------|---|-------------------|--------|--------------------------------|---------------------|
| rilling Company | Kehoe Di | rilling | | Complet | tion Depth | | | 15 FI | EET |
| Prilling Equipment | Geoprobe | 7800 | | Number | of Sample | es | | | 3 |
| Boring | 2 1/4 INCH DI | AMETER | 3 | Water D | epth at Da | ate of Ins | stalla | tion | NA |
| Type of Perforation | 6" SS slotte | d probe | | Start Da | ite 7/ | 13/21 | Com | pletion D | ate 7/13/21 |
| Type of Perforation Backfill | #3 Sai | nd | | Date De | veloped a | nd Sam | oled | | NA |
| Type of Seal | BENTON | NITE | | Logged | By S | RF | Che | cked By | SRF |
| 6 | | | L | OG DATA | | SAM | IPLE | DATA | |
| DESCF | RIPTION | ПТНОГОВУ | nscs | WELL | OVA-PPM | SAMPLE | NOMBER | SAMPLE | REMARKS |
| Dirt Surface 1 — 2 — 3 — 4 — 5 — CLAY: Lt brn, firm, Pr Plasticity 6 — 7 — 8 — | dense, masive | 777 | CL | | #3 San0■ Benton1/4 " pol | SV1 | 4-5.0 | 5-5,5' | NO STAIN NO ODOR |
| 9 — CLAY: Lt brn, firm, pr plasticity | | 777 | CL | | 0 | SV1 | 4-10' | 10.0-10.5 | NO STAIN NO ODOR |
| 13— 14— 15— CLAY: Lt bm, silty, TD 15.5' | massive, pr plastici | ty /// | GL | | — Hydrate — 6" SS F 0 | | | 15-15.5 | NO STAIN NO ODOR |
| | RNS | | | | | Tov | n Ce | OG SV nter NW California | |
| | RP. | | Pro | oject Numl | oer Jul | Date y 13, 202 | 1 | PI | M Page |

| Boring Location | SV15 | | | Elevation | n and Datun | n (| GROUND | SURFACE |
|--|----------------|-----------|------|-----------|-------------------------------------|------------------------------------|-----------|---------------------|
| Drilling Company | Kehoe D | rilling | | Complet | ion Depth | | 15 F | EET |
| Orilling Equipment | Geoprobe | 7800 | | Number | of Samples | | | 3 |
| Boring | 2 1/4 INCH D | IAMETER | 4 | Water D | epth at Date | e of Installa | tion | NA |
| Type of Perforation | 6" SS slotte | ed probe | | Start Da | te 7/13 | 3/21 Con | pletion D | Pate 7/13/21 |
| ype of Perforation Backfill | #3 Sa | nd | | Date De | veloped and | d Sampled | | NA |
| ype of Seal | BENTO | VITE | | Logged | By SR | F Che | cked By | SRF |
| 6 | | | L | OG DATA | | SAMPLE | DATA | |
| DEPT | IPTION | LITHOLOGY | nscs | WELL | OVA-PPM | SAMPLE | SAMPLE | REMARKS |
| Dirt Surface Dirt Surface CLAY: Lt brn, firm, control of the present of the pre | lense, masive | | CL | | #3 Sand 0 Bentonite - 1/4 " poly 1 | SV15-5.0 | 5-5.5' | NO STAIN NO ODOR |
| 9 — CLAY: Lt brn, firm, pr plasticity | dense, massive | 777 | CL | | 0 | SV15-10¹ | 10.0-10.5 | NO STAIN NO ODOR |
| 14— 15— CLAY: Buff, massive TD 15.5' | | 777 | ML | i'A | - Hydrated - 6" SS Pro 0 | SV15-15' | | NO STAIN NO ODOR |
| CONSU | ILTING | | | | | ORING L Town Ce Signal Hill, | nter NW | a |
| COI | RP. | | Pro | ject Numb | | ate 13, 2021 | PN | A Page |

| Boring Location | | SV16 | | | Elevatio | n and Datun | n (| GROUND | SURFACE | |
|---|--|----------------|------------------|------|-----------|------------------------------------|--|------------|-----------------------------|--|
| Orilling Company | | Kehoe Dri | lling | | Comple | tion Depth | | 15 F | EET | |
| Drilling Equipment | | Geoprobe 7 | 800 | | Number | of Samples | | | 3 | |
| Boring | | 2 1/4 INCH DIA | METER | 3 | Water I | Depth at Date | e of Installa | tion | NA | |
| Type of Perforation | ment Geoprotice 2 1/4 INCH ation 6" SS slow ation Backfill #3 ST BENTO DESCRIPTION Inface Med brn, firm, dense, massive Pr Plasticity Lt brn, firm, dense, massive pr plasticity | 6" SS slotted | probe | | Start Da | ate 7/13 | 3/21 Con | npletion D | Date 7/13/21 | |
| Type of Perforation | Backfill | #3 Sand | d | | Date De | eveloped and | d Sampled | | NA | |
| Type of Seal | | BENTONI | TE | | Logged | By SR | F Che | cked By | SRF | |
| 6 | | | | T | OG DATA | 1 | SAMPLE | DATA | | |
| DEPT | DESCRIP | TION | LITHOLOGY | nscs | WELL | OVA-PPM | SAMPLE | SAMPLE | REMARKS | |
| 0 Dirt Surfac | е | | 1 | | | | | | | |
| 1 — 2 — 3 — 4 — 5 — CLAY: Mei Pri | d brn, firm, o | lense, masive | 777 | CL | | #3 Sand 0 Bentonite 1/4 " poly t | | 5-5.5' | NO STAIN NO ODOR | |
| | | nse, massive | 777 | CL | | 0 | SV16-10' | 10.0-10.5 | NO STAIN NO ODOR | |
| 13— 14— 15— CLAY: Dk TD 15.5' | | | 777 | CL | | → Hydrated I → 6" SS Pro 4.7 | | 15-15.5 | SLT STAIN SLT ODOR | |
| COI | MEARNS CONSULTING CORP. | | | | ject Numb | per D | ORING L Town Ce Signal Hill, ate 3, 2021 | nter NW | a | |

| Boring Location | SV17 | | | Elevation | and Date | ım | GROU | IND SURFACE | |
|---|----------------|-----------|------|--------------|--------------------------------|------------------|----------------------|------------------|--------------|
| Drilling Company | Kehoe Dril | lling | | Complet | ion Depth | | | 15 FEET | |
| Orilling Equipment | Geoprobe 7 | 800 | | Number | of Sample | es | | 3 | |
| Boring | 2 1/4 INCH DIA | METER | } | Water D | epth at Da | te of Insta | lation | NA | |
| Type of Perforation | 6" SS slotted | probe | | Start Da | te 7/ | 13/21 C | ompleti | on Date 7 | 7/13/21 |
| Type of Perforation Backfill | #3 Sand | d | | Date De | veloped a | nd Sample | d | NA | |
| Type of Seal | BENTONI | TE | | Logged | By s | RF C | necked | By SRF | |
| 6 | | | L | LOG DATA SAI | | SAMPL | E DATA | 4 | |
| DESCRIF | | LITHOLOGY | nscs | WELL | OVA-PPM | SAMPLE | SAMPLE | REMA | RKS |
| Dirt Surface 1 — 2 — 3 — 4 — 5 — CLAY: Med brn, firm, Pr Plasticity 7 — 8 — 9 — 10 — CLAY: Lt brn, firm, de | | | CL | | #3 San 0 Bentoni - 1/4 " poly | SV17-5 tel | .0 5-5. 0' 10.0-1 | STAIN NO ODO | I DR |
| 11— 12— 13— | ense, massive | | CL | | | d bentonite | | NO OD | |
| 15 CLAY: Dk brn, firm, de TD 15.5' pr plassti | | | CL | ##i// | 0 | SV17-1 | 5' 15-15 | V SLT S NO OE | |
| MEAC | PMC | | T | | | BORING | LOG | SV17 | |
| MEAF CONSUI | CVII | | | | | | Center N | | |
| CONSU | LIING | | | | | Signal H | II, Calif | ornia | |
| COR | P. | | Pro | ject Numb | | Date 13, 2021 | | PM | Page 1 of |

| Boring Location | SV18 | | | Elevation | and Datun | n G | ROUND | SURFACE | |
|--|---------------|----------|------|------------|---|--------------------------------|-----------------------|---------------------------------|--|
| Orilling Company | Kehoe D | rilling | | Completion | on Depth | | 15 FI | EET | |
| Drilling Equipment | Geoprobe | 7800 | | Number of | of Samples | | | 3 | |
| Boring | 2 1/4 INCH D | IAMETER | R | Water De | pth at Date | e of Installat | ion | NA | |
| Type of Perforation | 6" SS slotte | d probe | | Start Date | e 7/13 | 3/21 Com | pletion D | ate 7/13/21 | |
| Type of Perforation Backfill | #3 Sa | nd | | Date Dev | eloped and | d Sampled | | NA | |
| Type of Seal | BENTO | NITE | | Logged E | By SRI | F Chec | cked By | SRF | |
| E | | | 1 | OG DATA | | SAMPLE | DATA | | |
| DESCRIF | | ПТНОГОВУ | nscs | WELL | OVA-PPM | SAMPLE | SAMPLE | REMARKS | |
| Dirt Surface Dirt Surface Dirt Surface Dirt Surface Dirt Surface | dense, masive | | CL | | - #3 Sand 0 - Bentonite 1/4 " poly t | | 5-5.5' | V SLT STAIN NO ODOR | |
| 9 — CLAY: Blk, firm, dens pr plasticity | se, massive | | CL | | 16.7 | SV18-10'1 | 0.0-10.5 | MOD SLT STAIN SLT ODOR | |
| 13— 14— 15— CLAY: Blk,, firm, dens TD 15.5' pr plasst | | 777 | CL | | - Hydrated I - 6" SS Pro | | 15-15.5 | MOD STAIN SLT ODOR | |
| MEAF | LTING | | | | | ORING LO Town Cer Signal Hill, | nter NW California | ı | |
| COR | Ρ. | | Pro | ject Numbe | | ate 3, 2021 | PM | Page 1 of | |

| Boring Location | SV19 | | | Elevation | n and D | atum | (| GROUND | SURFACE |
|--|----------------|-----------|------|-----------|---------------|------------|---------------------|--------------------------------|----------------------------|
| Orilling Company | Kehoe Dri | illing | | Comple | tion De | oth | | 15 F | EET |
| Orilling Equipment | Geoprobe 7 | 800 | | Number | r of Sam | ples | | | 3 |
| Boring | 2 1/4 INCH DI/ | AMETER | 3 | Water I | Depth at | Date of | Installa | tion | NA |
| Type of Perforation | 6" SS slotted | probe | | Start Da | ate | 7/13/21 | Con | npletion [| Date 7/13/21 |
| Type of Perforation Backfill | #3 San | d | | Date De | evelope | d and Sa | ampled | | NA |
| Type of Seal | BENTON | ITE | | Logged | Ву | SRF | Che | cked By | SRF |
| 6 | | | L | OG DATA | 1 | 5 | AMPLE | DATA | |
| DESCRI | | LITHOLOGY | nscs | WELL | OVA-PPM | | SAMPLE | SAMPLE | REMARKS |
| Dirt Surface | | | | | — 1/4" | poly tubii | ng | | |
| 5 — CLAY: Blk, firm, dense Pr Plasticity 6 — 7 — 8 — | e, masive | | CL | | #3 S | Sand | entonite | | GD STAIN MOD ODOR |
| 9 — 10 — CLAY: Blk,, dense, r pr plasticity | nassive, moist | 222 | CL | | 68 | 1 8 | V19-10' | 10.0-10.5 | GD STAIN MOD ODOR |
| 13— 14— 15— CLAY: Blk,, firm, den TD 15.5' pr plass | | 7111 | CL | | 90 | 98 S | V19-15' | 15-15.5 | GD STAIN MOD ODOR |
| CONSU | | | | ject Numl | | Т | own Ce nal Hill, | OG SV enter NW Californi | a |

APPENDIX D

Sierra Analytical Labs, Inc.
Background Soil Matrix Analytical Data
April 2005 & July 2021



Mearns Consulting Corporation 738 Ashland Avenue

Santa Monica CA, 90405

Project: City of Signal Hill

Project Number: Las Brisas
Project Manager: Susan Mearns

Reported: 04/12/05 14:01

Metals by EPA 6000/7000 Series Methods Sierra Analytical Labs, Inc.

| Sierra Anarytea Labs, Inc. | | | | | | | | | | | | |
|-----------------------------|-------------------------|--------------------|-------------------|----------|---------|----------|----------|-----------|-------|--|--|--|
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes | | | |
| Offsite-1 (0504072-33) Soil | Sampled: 04/04/05 13:20 | Received: 04 | <u>4/04/05</u> 14 | l:15 | | | | | | | | |
| Silver | ND | 0.80 | mg/kg | 1 | B5D0709 | 04/07/05 | 04/11/05 | EPA 6010B | | | | |
| Arsenic | 5.2 | 1.7 | " | " | " | " | " | " | | | | |
| Barium | 97 | 3.3 | " | " | " | " | " | " | | | | |
| Beryllium | ND | 0.75 | " | " | " | " | " | " | | | | |
| Cadmium | ND | 0.51 | " | " | " | " | " | " | | | | |
| Cobalt | 8.1 | 2.2 | " | " | " | " | " | " | | | | |
| Chromium | 21 | 0.98 | " | " | " | " | " | " | | | | |
| Copper | 25 | 2.2 | " | " | " | " | " | " | | | | |
| Mercury | ND | 0.16 | " | " | B5D0711 | 04/07/05 | 04/08/05 | EPA 7471A | | | | |
| Molybdenum | ND | 1.7 | " | " | B5D0709 | 04/07/05 | 04/11/05 | EPA 6010B | | | | |
| Nickel | 12 | 0.79 | " | " | " | " | " | " | | | | |
| Lead | 12 | 1.3 | " | " | " | " | " | " | | | | |
| Antimony | ND | 1.6 | " | " | " | " | " | " | | | | |
| Selenium | ND | 1.9 | " | " | " | " | " | " | | | | |
| Thallium | ND | 1.5 | " | " | " | " | " | " | | | | |
| Vanadium | 35 | 0.73 | " | " | " | " | " | " | | | | |
| Zinc | 62 | 1.3 | " | " | " | " | " | " | | | | |
| Offsite-5 (0504072-34) Soil | Sampled: 04/04/05 13:25 | Received: 04 | 4/04/05 14 | l:15 | | | | | | | | |
| Silver | ND | 0.80 | mg/kg | 1 | B5D0709 | 04/07/05 | 04/11/05 | EPA 6010B | | | | |
| Arsenic | 12 | 1.7 | " | " | " | " | " | " | | | | |
| Barium | 160 | 3.3 | " | " | " | " | " | " | | | | |
| Beryllium | 1.1 | 0.75 | " | " | " | " | " | " | | | | |
| Cadmium | ND | 0.51 | " | " | " | " | " | " | | | | |
| Cobalt | 17 | 2.2 | " | " | " | " | " | " | | | | |
| Chromium | 50 | 0.98 | " | " | " | " | " | " | | | | |
| Copper | 64 | 2.2 | " | " | " | " | " | " | | | | |
| Mercury | ND | 0.18 | " | " | B5D0711 | 04/07/05 | 04/08/05 | EPA 7471A | | | | |
| Molybdenum | ND | 1.7 | " | " | B5D0709 | 04/07/05 | 04/11/05 | EPA 6010B | | | | |
| Nickel | 30 | 0.79 | " | " | " | " | " | " | | | | |
| Lead | 8.1 | 1.3 | " | " | " | " | " | " | | | | |
| Antimony | 2.3 | 1.6 | " | " | " | " | " | " | | | | |
| Selenium | ND | 1.9 | " | " | " | " | " | " | | | | |
| Thallium | ND | 1.5 | " | " | " | " | " | " | | | | |
| Vanadium | 75 | 0.73 | " | " | " | " | " | " | | | | |
| Zinc | 99 | 1.3 | " | " | " | " | " | " | | | | |
| | | | | | | | | | | | | |



Mearns Consulting Corporation

Project: City of Signal Hill

738 Ashland Avenue Project Number: Las Brisas
Santa Monica CA, 90405 Project Manager: Susan Mearns

Reported: 04/12/05 14:01

Metals by EPA 6000/7000 Series Methods Sierra Analytical Labs, Inc.

| Silver | | Sierra Anarytea Labs, inc. | | | | | | | | | | | | |
|--|------------------------------|----------------------------|-----------|------------|----------|---------|----------|----------|-----------|-------|--|--|--|--|
| ND | Analyte | Result | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes | | | | |
| Arsenic 12 | Offsite-10 (0504072-35) Soil | Sampled: 04/04/05 13:29 | Received: | 04/04/05 1 | 14:15 | | | | | | | | | |
| Barium | Silver | ND | 0.80 | mg/kg | 1 | B5D0709 | 04/07/05 | 04/11/05 | EPA 6010B | | | | | |
| Beryllium | Arsenic | 12 | | " | " | " | " | " | " | | | | | |
| Cadmium ND 0.51 " <th< td=""><td>Barium</td><th>170</th><td>3.3</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td></td></th<> | Barium | 170 | 3.3 | " | " | " | " | " | " | | | | | |
| Cobalt 14 2.2 " | Beryllium | ND | 0.75 | " | " | " | " | " | " | | | | | |
| Chromium 32 0.98 " <t< td=""><td>Cadmium</td><th>ND</th><td>0.51</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td></td></t<> | Cadmium | ND | 0.51 | " | " | " | " | " | " | | | | | |
| Copper 35 2.2 " | Cobalt | 14 | 2.2 | " | " | " | " | " | " | | | | | |
| Mercury ND 0.18 " B5D0711 04/07/05 04/08/05 EPA 7471A Molybdenum ND 1.7 " B5D0709 04/07/05 04/07/05 04/11/05 EPA 6010B Nickel 22 0.79 " | Chromium | 32 | 0.98 | " | " | " | " | " | " | | | | | |
| Molybdenum | Copper | 35 | 2.2 | " | " | " | " | " | " | | | | | |
| Nickel 22 0.79 " | Mercury | ND | 0.18 | " | " | B5D0711 | 04/07/05 | 04/08/05 | EPA 7471A | | | | | |
| Cade | Molybdenum | ND | 1.7 | " | " | B5D0709 | 04/07/05 | 04/11/05 | EPA 6010B | | | | | |
| Antimony ND 1.6 " " " " " " " " " " " " Thallium ND 1.9 " " " " " " " " " " " " " " " " " " " | Nickel | 22 | 0.79 | " | " | " | " | " | " | | | | | |
| ND | Lead | 5.6 | 1.3 | " | " | " | " | " | " | | | | | |
| ND | Antimony | ND | 1.6 | " | " | " | " | " | " | | | | | |
| Thailium | Selenium | ND | 1.9 | " | " | " | " | " | " | | | | | |
| Zinc 67 1.3 " </td <td>Thallium</td> <th>ND</th> <td>1.5</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td> | Thallium | ND | 1.5 | " | " | " | " | " | " | | | | | |
| ND 0.80 mg/kg 1 B5D0709 04/07/05 04/11/05 EPA 6010B | Vanadium | 58 | 0.73 | " | " | " | " | " | " | | | | | |
| ND | Zinc | 67 | 1.3 | " | " | " | " | " | " | | | | | |
| Arsenic 14 1.7 " " " " " " " " " " " " " " " " " " " | Offsite-20 (0504072-36) Soil | Sampled: 04/04/05 13:36 | Received: | 04/04/05 1 | 14:15 | | | | | | | | | |
| Arsenic 14 1.7 " " " " " " " " " " " " " " " " " " " | Silver | ND | 0.80 | mg/kg | 1 | B5D0709 | 04/07/05 | 04/11/05 | EPA 6010B | | | | | |
| Barium 73 3.3 """""""""""""""""""""""""""""""""""" | Arsenic | 14 | | | " | " | " | | " | | | | | |
| Beryllium 0.95 0.75 " " " " " " " " " " " " " " " " " " " | Barium | 73 | 3.3 | " | " | " | " | " | " | | | | | |
| Cobalt 17 2.2 " " " " " " " " " " " " " " " " " " " | Beryllium | 0.95 | | " | " | " | " | " | " | | | | | |
| Chromium 35 0.98 " " " " " " " " " " " " " " " " " " " | Cadmium | ND | 0.51 | " | " | " | " | " | " | | | | | |
| Copper 80 2.2 " " " " " " " " " " " " " " " " " " " | Cobalt | 17 | 2.2 | " | " | " | " | " | " | | | | | |
| Mercury ND 0.15 " B5D0711 04/07/05 04/08/05 EPA 7471A Molybdenum ND 1.7 " B5D0709 04/07/05 04/11/05 EPA 6010B Nickel 22 0.79 " <t< td=""><td>Chromium</td><th>35</th><td>0.98</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td></td></t<> | Chromium | 35 | 0.98 | " | " | " | " | " | " | | | | | |
| Mercury ND 0.15 " B5D0711 04/07/05 04/08/05 EPA 7471A Molybdenum ND 1.7 " B5D0709 04/07/05 04/11/05 EPA 6010B Nickel 22 0.79 " <t< td=""><td>Copper</td><th>80</th><td>2.2</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td></td></t<> | Copper | 80 | 2.2 | " | " | " | " | " | " | | | | | |
| Nickel 22 0.79 " | Mercury | ND | 0.15 | " | " | B5D0711 | 04/07/05 | 04/08/05 | EPA 7471A | | | | | |
| Nickel 22 0.79 " | Molybdenum | ND | 1.7 | " | " | B5D0709 | 04/07/05 | 04/11/05 | EPA 6010B | | | | | |
| Lead 10 1.3 " </td <td>Nickel</td> <th></th> <td></td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td> | Nickel | | | " | " | " | " | " | " | | | | | |
| Antimony ND 1.6 " " " " " " " " " " " " " " " " " " " | Lead | | | " | " | " | " | " | " | | | | | |
| Selenium ND 1.9 " <th< td=""><td>Antimony</td><th></th><td></td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td></td></th<> | Antimony | | | " | " | " | " | " | " | | | | | |
| Thallium ND 1.5 " " " " " " " " " " " Vanadium 67 0.73 " " " " " " " " " " " " " " " " " " " | Selenium | | | " | " | " | " | " | " | | | | | |
| | Thallium | | 1.5 | " | " | " | " | " | " | | | | | |
| | Vanadium | 67 | 0.73 | " | " | " | " | " | " | | | | | |
| | Zinc | | 1.3 | " | " | " | " | " | " | | | | | |



13 July 2021

Susan Mearns Mearns Consulting LLC 738 Ashland Avenue Santa Monica, CA 90405

RE:1905 E 21st St. - Spud Field Work Order No.: 2107058

Attached are the results of the analyses for samples received by the laboratory on 07/06/21 14:35.

The samples were received by Sierra Analytical Labs, Inc. with a chain of custody record attached or completed at the submittal of the samples.

The analyses were performed according to the prescribed method as outlined by EPA, Standard Methods, and A.S.T.M.

The remaining portions of the samples will be disposed of within 30 days from the date of this report. If you require any additional retaining time, please advise us.

Sincerely,

Richard K. Forsyth

Laboratory Director

Sierra Analytical Labs, Inc. is certified by the California Department of Health Services (DOHS), Environmental Laboratory Accredidation Program (ELAP) No. 2320.



Project: 1905 E 21st St. - Spud Field

Project Number: [none]
Project Manager: Susan Mearns

Reported: 07/13/21 12:23

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| SB1-5 | 2107058-01 | Soil | 07/06/21 07:40 | 07/06/21 14:35 |
| SB2-5 | 2107058-02 | Soil | 07/06/21 07:51 | 07/06/21 14:35 |
| SB3-5 | 2107058-03 | Soil | 07/06/21 08:01 | 07/06/21 14:35 |
| SB4-5 | 2107058-04 | Soil | 07/06/21 08:08 | 07/06/21 14:35 |
| SB5-5 | 2107058-05 | Soil | 07/06/21 08:16 | 07/06/21 14:35 |
| SB6-5 | 2107058-06 | Soil | 07/06/21 08:23 | 07/06/21 14:35 |
| SB7-5 | 2107058-07 | Soil | 07/06/21 08:31 | 07/06/21 14:35 |
| SB8-5 | 2107058-08 | Soil | 07/06/21 08:38 | 07/06/21 14:35 |
| SB9-5 | 2107058-09 | Soil | 07/06/21 08:47 | 07/06/21 14:35 |
| SB10-5 | 2107058-10 | Soil | 07/06/21 08:58 | 07/06/21 14:35 |
| SB11-5 | 2107058-11 | Soil | 07/06/21 09:10 | 07/06/21 14:35 |



Project: 1905 E 21st St. - Spud Field

Project Number: [none]
Project Manager: Susan Mearns

Reported: 07/13/21 12:23

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| | D14 | Reporting | T.T:4- | Diletie | Detal | D 1 | A 1 d | Mada d | NT / |
|-------------------------|--|--|----------------|---|---|---|--|------------------------|---|
| | Kesult | Lımit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| Sampled: 07/06/21 07:40 | Received: 0 | 7/06/21 14:3 | 5 | | | | | | |
| | ND | 2.0 | mg/kg | 1 | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| | ND | 5.5 | " | " | " | " | " | " | |
| | 84 | 6.0 | " | " | " | " | " | " | |
| | ND | 2.2 | " | " | " | " | " | " | |
| | ND | 2.5 | " | " | " | " | " | " | |
| | 11 | 3.3 | " | " | " | " | " | " | |
| | 36 | 2.3 | " | " | " | " | " | " | |
| | ND | 0.10 | " | " | B1G0711 | 07/07/21 | 07/09/21 12:47 | EPA 7199A | |
| | 40 | 5.0 | " | " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| | ND | 0.90 | " | " | B1G0613 | 07/06/21 | 07/06/21 20:35 | EPA 7471A | |
| | ND | 5.2 | " | " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| | 21 | 3.0 | " | " | " | " | " | " | |
| | 8.8 | 7.1 | " | " | " | " | " | " | |
| | ND | 8.0 | " | " | " | " | " | " | |
| | ND | 6.9 | " | " | " | " | " | " | |
| | ND | 17 | " | " | " | " | " | " | |
| | 46 | 5.1 | " | " | " | " | " | " | |
| | 54 | 7.0 | " | " | " | " | " | " | |
| Sampled: 07/06/21 07:51 | Received: 0 | 7/06/21 14:3 | 5 | | | | | | |
| | ND | 2.0 | mg/kg | 1 | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| | | | " | " | " | " | " | " | |
| | | | " | " | " | " | " | " | |
| | | | " | " | " | " | " | " | |
| | | | " | " | " | " | ,, | " | |
| | | | " | " | " | " | " | " | |
| | | | ,, | " | " | " | " | " | |
| | ND | | ,, | ,, | B1G0711 | 07/07/21 | 07/09/21 12:47 | EPA 7199A | |
| | | 0.10 | | | | 37707721 | J//J/21 12.7/ | | |
| | | 0.10 5.0 | ,, | | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| | 26 | 5.0 | " | | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B EPA 7471A | |
| | 26 ND | 5.0 0.90 | | " | B1G0613 | 07/06/21 | 07/06/21 20:35 | EPA 7471A | |
| | 26 ND ND | 5.0 0.90 5.2 | " | " | | | | | |
| | 26 ND ND 15 | 5.0 0.90 5.2 3.0 | " | " " | B1G0613 B1G0611 | 07/06/21 07/06/21 | 07/06/21 20:35 07/07/21 13:55 | EPA 7471A EPA 6010B | |
| | 26 ND ND 15 ND | 5.0 0.90 5.2 3.0 7.1 | " | " " | B1G0613 B1G0611 | 07/06/21 07/06/21 | 07/06/21 20:35 07/07/21 13:55 | EPA 7471A EPA 6010B | |
| | 26 ND ND 15 ND ND | 5.0 0.90 5.2 3.0 7.1 8.0 | " " " | " " " | B1G0613 B1G0611 " | 07/06/21 07/06/21 " | 07/06/21 20:35 07/07/21 13:55 | EPA 7471A EPA 6010B | |
| | 26 ND ND 15 ND ND ND | 5.0 0.90 5.2 3.0 7.1 8.0 6.9 | " " | " | B1G0613 B1G0611 | 07/06/21 07/06/21 " | 07/06/21 20:35 07/07/21 13:55 | EPA 7471A EPA 6010B | |
| | 26 ND ND 15 ND ND | 5.0 0.90 5.2 3.0 7.1 8.0 | " " " " " | " | B1G0613 B1G0611 " | 07/06/21 07/06/21 " | 07/06/21 20:35 07/07/21 13:55 " | EPA 7471A EPA 6010B | |
| | | ND ND ND ND ND ND ND ND ND ND ND ND ND N | Result Limit | Result Limit Units | Sampled: 07/06/21 07:40 Received: 07/06/21 14:35 ND 2.0 mg/kg 1 ND 5.5 " " 84 6.0 " " ND 2.2 " " ND 2.5 " " 11 3.3 " " ND 0.10 " " ND 0.90 " " ND 5.2 " " ND 5.2 " " ND 8.8 7.1 " " ND 8.9 " " " ND 6.9 " " " ND 17 " " " Sampled: 07/06/21 07:51 Received: 07/06/21 14:35 " " " ND 2.0 mg/kg 1 " " ND 5.5 " " " ND 5.5 " | Sampled: 07/06/21 07:40 Received: 07/06/21 14:35 ND 2.0 mg/kg 1 B1G0611 ND 5.5 " " " 84 6.0 " " " ND 2.2 " " " ND 2.5 " " " 11 3.3 " " " ND 0.10 " " B1G0711 40 5.0 " " B1G0611 ND 0.90 " " B1G0613 ND 5.2 " " B1G0611 ND 5.2 " " B1G0611 ND 8.8 7.1 " " " ND 8.0 " " " " ND 6.9 " " " " ND 17 " " " " ND 2.0 mg/kg | Sampled: 07/06/21 07:40 Received: 07/06/21 14:35 Units Dilution Batch Prepared ND 2.0 mg/kg 1 B1G0611 07/06/21 ND 5.5 " " " " 84 6.0 " " " " ND 2.2 " " " " ND 2.5 " " " " 36 2.3 " " " " ND 0.10 " " B1G0611 07/06/21 ND 0.90 " " B1G0611 07/06/21 ND 5.2 " " B1G0611 07/06/21 ND 5.2 " " B1G0611 07/06/21 ND 5.2 " " " " ND 6.9 " " " " ND 6.9 " " " " | Result | Sampled: 07/06/21 07:40 Received: 07/06/21 14:35 Units Dilution Batch Prepared Analyzed Method Sampled: 07/06/21 07:40 Received: 07/06/21 14:35 SEPA 6010B ND 2.0 mg/kg 1 BIG0611 07/06/21 07/07/21 13:55 EPA 6010B ND 5.5 " " " " " " ND 2.2 " " " " " " ND 2.5 " " " " " " 11 3.3 " " " " " " ND 0.10 " |



Mearns Consulting LLC 738 Ashland Avenue

Santa Monica CA, 90405

Project: 1905 E 21st St. - Spud Field

Project Number:[none]Reported:Project Manager:Susan Mearns07/13/21 12:23

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Not |
|---|-------------------------|-----------------|--------------------|-------|----------|---------|----------|----------------|-----------|-----|
| SR3-5 (2107058-03) Soil | Sampled: 07/06/21 08:01 | Received: 0 | 7/06/21 14:3 | 5 | | | | <u> </u> | | |
| Silver | 54mpreur 07/00/21 00/01 | ND | 2.0 | mg/kg | 1 | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Arsenic | | ND | 5.5 | mg/kg | " | " | 07/00/21 | 0//0//21 13.33 | EFA 0010B | |
| Barium | | 48 | 6.0 | ,, | ,, | ,, | ,, | " | " | |
| Beryllium | | ND | 2.2 | ,, | ,, | ,, | ,, | " | " | |
| Cadmium | | ND | 2.5 | ,, | " | ,, | ,, | " | " | |
| Cobalt | | 4.6 | 3.3 | | " | ,, | ,, | " | " | |
| Chromium | | 9.0 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G0711 | 07/07/21 | 07/09/21 12:47 | EPA 7199A | |
| Copper | | 16 | 5.0 | " | " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G0613 | 07/06/21 | 07/06/21 20:35 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Nickel | | 6.2 | 3.0 | " | " | " | " | " | " | |
| _ead | | ND | 7.1 | " | " | " | ,, | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Challium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 16 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 29 | 7.0 | " | " | " | " | " | " | |
| SB4-5 (2107058-04) Soil | Sampled: 07/06/21 08:08 | Received: 0 | 7/06/21 14:3: | 5 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 170 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 14 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 42 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G0711 | 07/07/21 | 07/09/21 12:47 | EPA 7199A | |
| Copper | | 45 | 5.0 | " | " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G0613 | 07/06/21 | 07/06/21 20:35 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Nickel | | 26 | 3.0 | " | " | " | " | " | " | |
| Lead | | 9.5 | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| 1111111111111 | | ND | 6.9 | " | " | " | " | " | " | |
| • | | | | | ,, | ,, | " | " | " | |
| Selenium | | ND | 17 | " | " | | | | | |
| Selenium Thallium Vanadium | | ND 58 | 17 5.1 | " | " | ,, | " | " | " | |



Project: 1905 E 21st St. - Spud Field

Project Number: [none]
Project Manager: Susan Mearns

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|-------------------------|---|---|------------|---|---|---|--|--|------|
| SB5-5 (2107058-05) Soil | Sampled: 07/06/21 08:16 | Received: | 07/06/21 14:3 | 5 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 97 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 16 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 30 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G0711 | 07/07/21 | 07/09/21 12:47 | EPA 7199A | |
| Copper | | 40 | 5.0 | " | " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G0613 | 07/06/21 | 07/06/21 20:35 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Nickel | | 27 | 3.0 | " | " | " | " | " | " | |
| Lead | | 8.5 | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 52 | 5.1 | " | " | " | " | " | " | |
| Zinc | | | 7.0 | | | | ,, | | | |
| ZIIIC | | 56 | 7.0 | " | " | " | " | " | " | |
| | Sampled: 07/06/21 08:23 | | | | " | " | " | " | " | |
| SB6-5 (2107058-06) Soil | Sampled: 07/06/21 08:23 | Received: | | 5 | 1 | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| SB6-5 (2107058-06) Soil | Sampled: 07/06/21 08:23 | | 07/06/21 14:3 : | | | | | | | |
| SB6-5 (2107058-06) Soil Silver Arsenic | Sampled: 07/06/21 08:23 | ND ND | 07/06/21 14:3: 2.0 5.5 | 5 mg/kg | 1 | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| SB6-5 (2107058-06) Soil Silver Arsenic Barium | Sampled: 07/06/21 08:23 | ND ND ND 130 | 2.0 5.5 6.0 | mg/kg | 1 " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| SB6-5 (2107058-06) Soil Silver Arsenic Barium Beryllium | Sampled: 07/06/21 08:23 | ND ND 130 ND | 2.0 5.5 6.0 2.2 | mg/kg | 1 " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| SB6-5 (2107058-06) Soil Silver Arsenic Barium Beryllium Cadmium | Sampled: 07/06/21 08:23 | ND ND ND 130 | 2.0 5.5 6.0 | mg/kg | 1 " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| SB6-5 (2107058-06) Soil Silver Arsenic Barium Beryllium Cadmium Cobalt | Sampled: 07/06/21 08:23 | ND ND 130 ND ND ND 22 | 2.0 5.5 6.0 2.2 2.5 | mg/kg | 1 " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| SB6-5 (2107058-06) Soil Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium | Sampled: 07/06/21 08:23 | ND ND 130 ND ND | 2.0 5.5 6.0 2.2 2.5 3.3 | mg/kg | 1 " " " " " " " " " " " " " " " " " " " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| SB6-5 (2107058-06) Soil Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium | Sampled: 07/06/21 08:23 | ND ND 130 ND ND ND 22 42 ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 | mg/kg | 1 " " " " " " " " " " " " " " " " " " " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| SB6-5 (2107058-06) Soil Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper | Sampled: 07/06/21 08:23 | ND ND 130 ND ND ND 22 42 | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 | mg/kg | 1 " " " " " " " " " " " " " " " " " " " | B1G0611 " " " " " " " B1G0711 | 07/06/21 | 07/07/21 13:55 " " " " " 07/09/21 12:47 07/07/21 13:55 | EPA 6010B " " " " " " EPA 7199A | |
| SB6-5 (2107058-06) Soil Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury | Sampled: 07/06/21 08:23 | ND ND 130 ND ND 22 42 ND 46 ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 | mg/kg | 1 " " " " " " " " " " " " " " " " " " " | B1G0611 " " " " " " B1G0711 B1G0611 B1G0613 | 07/06/21 " " " " " 07/07/21 07/06/21 | 07/07/21 13:55 " " " " " 07/09/21 12:47 07/09/21 13:55 07/06/21 20:35 | EPA 6010B " " " " " EPA 7199A EPA 6010B EPA 7471A | |
| SB6-5 (2107058-06) Soil Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum | Sampled: 07/06/21 08:23 | ND ND 130 ND ND 22 42 ND 46 ND ND ND ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 | mg/kg | 1 | B1G0611 " " " " " " B1G0711 B1G0611 | 07/06/21 " " " " " 07/07/21 07/06/21 | 07/07/21 13:55 " " " " " 07/09/21 12:47 07/07/21 13:55 | EPA 6010B " " " " " " EPA 7199A EPA 6010B | |
| SB6-5 (2107058-06) Soil Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel | Sampled: 07/06/21 08:23 | ND ND 130 ND ND ND 22 42 ND 46 ND ND ND 33 | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 | mg/kg | | B1G0611 " " " " " " B1G0711 B1G0611 B1G0613 B1G0611 | 07/06/21 " " " " " 07/07/21 07/06/21 07/06/21 | 07/07/21 13:55 " " " " " 07/09/21 12:47 07/07/21 13:55 07/06/21 20:35 07/07/21 13:55 | EPA 6010B " " " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| SB6-5 (2107058-06) Soil Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead | Sampled: 07/06/21 08:23 | ND ND 130 ND ND ND 22 42 ND 46 ND ND 33 | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 | mg/kg | | B1G0611 " " " " " " B1G0711 B1G0611 B1G0613 | 07/06/21 " " " " " 07/07/21 07/06/21 07/06/21 " | 07/07/21 13:55 " " " " " 07/09/21 12:47 07/07/21 13:55 07/06/21 20:35 07/07/21 13:55 | EPA 6010B " " " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| SB6-5 (2107058-06) Soil Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony | Sampled: 07/06/21 08:23 | ND ND 130 ND ND ND 22 42 ND 46 ND ND ND ND ND ND ND ND ND ND ND ND ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 | mg/kg | | B1G0611 " " " " " " B1G0711 B1G0613 B1G0611 " | 07/06/21 " " " " " 07/07/21 07/06/21 07/06/21 " " | 07/07/21 13:55 " " " " " 07/09/21 12:47 07/07/21 13:55 07/06/21 20:35 07/07/21 13:55 " | EPA 6010B " " " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " " | |
| SB6-5 (2107058-06) Soil Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium | Sampled: 07/06/21 08:23 | ND ND 130 ND ND ND 22 42 ND 46 ND ND ND ND ND ND ND ND ND ND ND ND ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 6.9 | mg/kg | | B1G0611 " " " " " B1G0711 B1G0613 B1G0611 " " | 07/06/21 " " " " " 07/07/21 07/06/21 07/06/21 " " " " | 07/07/21 13:55 " " " " " 07/09/21 12:47 07/07/21 13:55 07/06/21 20:35 07/07/21 13:55 " " | EPA 6010B " " " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " " | |
| | Sampled: 07/06/21 08:23 | ND ND 130 ND ND ND 22 42 ND 46 ND ND ND ND ND ND ND ND ND ND ND ND ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 | mg/kg | | B1G0611 " " " " " B1G0711 B1G0613 B1G0611 " " | 07/06/21 " " " " " 07/07/21 07/06/21 07/06/21 " " " " | 07/07/21 13:55 " " " " " 07/09/21 12:47 07/07/21 13:55 07/06/21 20:35 07/07/21 13:55 " " " | EPA 6010B " " " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " " " | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reported:

07/13/21 12:23



Project: 1905 E 21st St. - Spud Field

Project Number:[none]Reported:Project Manager:Susan Mearns07/13/21 12:23

$Metals\ by\ EPA\ 6000/7000\ Series\ Methods$

Sierra Analytical Labs, Inc.

| | | | | | 2405, 111 | | | | | |
|-------------------------|-------------------------|-----------|--------------------|-------|-----------|---------|----------|----------------|-----------|------|
| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| SB7-5 (2107058-07) Soil | Sampled: 07/06/21 08:31 | Received: | 07/06/21 14:3 | 5 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 80 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 12 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 24 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G0711 | 07/07/21 | 07/09/21 12:47 | EPA 7199A | |
| Copper | | 26 | 5.0 | " | " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G0613 | 07/06/21 | 07/06/21 20:35 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Nickel | | 19 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 43 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 47 | 7.0 | " | " | " | " | " | " | |
| SB8-5 (2107058-08) Soil | Sampled: 07/06/21 08:38 | Received: | 07/06/21 14:3: | 5 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 180 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 17 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 38 | 2.3 | | " | ,, | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G0711 | 07/07/21 | 07/09/21 12:47 | EPA 7199A | |
| Copper | | 37 | 5.0 | " | " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G0613 | 07/06/21 | 07/06/21 20:35 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Nickel | | 32 | 3.0 | | " | " | " | " | " | |
| Lead | | 11 | 7.1 | | " | " | " | " | " | |
| Antimony | | ND | 8.0 | | " | ,, | " | " | " | |
| Selenium | | ND | 6.9 | ,, | " | ,, | ,, | " | " | |
| Thallium | | ND ND | 17 | ,, | ,, | ,, | ,, | ,, | " | |
| Vanadium | | 68 | 5.1 | ,, | ,, | ,, | ,, | " | ,, | |
| Zinc | | 68 51 | 7.0 | ,, | ,, | ,, | ,, | " | ,, | |
| Zanc | | 31 | 7.0 | | | | | | | |



Project: 1905 E 21st St. - Spud Field

Project Number: [none]
Project Manager: Susan Mearns

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| 1 | | | | | | | | | | |
|---|----------------------------|--|---|-----------------|---|--|--|--|---|------|
| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| SB9-5 (2107058-09) Soil | Sampled: 07/06/21 08:47 | Received: (| 07/06/21 14:3 | 5 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 87 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 14 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 30 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G0711 | 07/07/21 | 07/09/21 12:47 | EPA 7199A | |
| Copper | | 28 | 5.0 | " | " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G0613 | 07/06/21 | 07/06/21 20:35 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Nickel | | 24 | 3.0 | " | " | " | " | " | " | |
| Lead | | 9.0 | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 54 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 38 | 7.0 | " | " | " | " | " | " | |
| | | | | | | | | | | |
| SB10-5 (2107058-10) Soi | il Sampled: 07/06/21 08:58 | | | 35 | | | | | | |
| | il Sampled: 07/06/21 08:58 | Received: | 07/06/21 14: | | 1 | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Silver | il Sampled: 07/06/21 08:58 | | 07/06/21 14: 2.0 | mg/kg | 1 " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Silver Arsenic | il Sampled: 07/06/21 08:58 | ND ND | 07/06/21 14:: 2.0 5.5 | mg/kg | | | | | | |
| Silver Arsenic Barium | il Sampled: 07/06/21 08:58 | ND ND ND 98 | 2.0 5.5 6.0 | mg/kg | " | " | " | " | " | |
| Silver Arsenic Barium Beryllium | il Sampled: 07/06/21 08:58 | ND ND | 07/06/21 14:: 2.0 5.5 | mg/kg | " | " | " | " | " | |
| Silver Arsenic Barium Beryllium Cadmium | il Sampled: 07/06/21 08:58 | ND ND ND 98 ND | 2.0 5.5 6.0 2.2 | mg/kg " " | " " | " | " | " " | " | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt | il Sampled: 07/06/21 08:58 | ND ND 98 ND ND ND 13 | 2.0 5.5 6.0 2.2 2.5 | mg/kg " " | " " | " " " | " " | " " " " | " | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium | il Sampled: 07/06/21 08:58 | ND ND ND 98 ND ND | 2.0 5.5 6.0 2.2 2.5 3.3 | mg/kg " " " " | " " " | " | " " " " | " " " " " | " | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium | il Sampled: 07/06/21 08:58 | ND ND 98 ND ND 13 27 ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 | mg/kg | " | " " " " B1G0711 | " " " " 07/07/21 | " " " " 07/09/21 12:47 | " " " EPA 7199A | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper | il Sampled: 07/06/21 08:58 | ND ND 98 ND ND 13 27 ND 30 | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 | mg/kg | " | " " " B1G0711 B1G0611 | " " " 07/07/21 07/06/21 | " " " 07/09/21 12:47 07/07/21 13:55 | " " " EPA 7199A EPA 6010B | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury | il Sampled: 07/06/21 08:58 | ND ND 98 ND ND 13 27 ND 30 ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 | mg/kg | " | " " " B1G0711 B1G0611 B1G0613 | """""""""""""""""""""""""""""""""""""" | "" "" 07/09/21 12:47 07/07/21 13:55 07/06/21 20:35 | " " " EPA 7199A EPA 6010B EPA 7471A | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum | il Sampled: 07/06/21 08:58 | ND ND 98 ND ND 13 27 ND 30 ND ND ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 | mg/kg | " | " " " B1G0711 B1G0611 | " " " 07/07/21 07/06/21 | " " " 07/09/21 12:47 07/07/21 13:55 | " " " EPA 7199A EPA 6010B | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel | il Sampled: 07/06/21 08:58 | ND ND 98 ND ND 13 27 ND 30 ND ND ND 23 | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 | mg/kg | " " " " " " " " " " | " " " " B1G0711 B1G0611 B1G0613 B1G0611 | 07/07/21 07/06/21 07/06/21 07/06/21 | "" "" 07/09/21 12:47 07/07/21 13:55 07/06/21 20:35 07/07/21 13:55 | " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead | il Sampled: 07/06/21 08:58 | ND ND 98 ND ND 13 27 ND 30 ND ND 23 7.5 | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 | mg/kg | """"""""""""""""""""""""""""""""""""""" | " " " " " B1G0711 B1G0613 B1G0611 " | 07/07/21 07/06/21 07/06/21 07/06/21 | "" "" 07/09/21 12:47 07/07/21 13:55 07/06/21 20:35 07/07/21 13:55 | " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony | il Sampled: 07/06/21 08:58 | ND ND 98 ND ND 13 27 ND 30 ND ND 23 7.5 ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 | mg/kg | """"""""""""""""""""""""""""""""""""""" | B1G0711 B1G0611 B1G0613 B1G0611 | 07/07/21 07/06/21 07/06/21 " | 07/09/21 12:47 07/07/21 13:55 07/06/21 20:35 07/07/21 13:55 | " " " EPA 7199A EPA 6010B EPA 6010B " " | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium | il Sampled: 07/06/21 08:58 | ND ND 98 ND ND 13 27 ND 30 ND ND 23 7.5 ND ND ND ND ND ND ND ND ND ND ND ND ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 6.9 | mg/kg | | B1G0711 B1G0611 B1G0611 B1G0611 | 07/07/21 07/06/21 07/06/21 "" | 07/09/21 12:47 07/09/21 13:55 07/06/21 20:35 07/07/21 13:55 " | " " EPA 7199A EPA 6010B EPA 6010B " " | |
| SB10-5 (2107058-10) Soi Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium Thallium Vanadium | il Sampled: 07/06/21 08:58 | ND ND 98 ND ND 13 27 ND 30 ND ND 23 7.5 ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 | mg/kg | | B1G0711 B1G0611 B1G0611 """ | 07/07/21 07/06/21 07/06/21 """""""""""""""""""""""""""""""""""" | "" "" 07/09/21 12:47 07/07/21 13:55 07/06/21 20:35 07/07/21 13:55 "" "" "" | " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " " | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reported:

07/13/21 12:23



Project: 1905 E 21st St. - Spud Field

Project Number:[none]Reported:Project Manager:Susan Mearns07/13/21 12:23

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SB11-5 (2107058-11) Soil | Sampled: 07/06/21 09:10 | Received: | 07/06/21 14:3 | 35 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 120 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 9.8 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 22 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G0711 | 07/07/21 | 07/09/21 12:47 | EPA 7199A | |
| Copper | | 14 | 5.0 | " | " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G0613 | 07/06/21 | 07/06/21 20:35 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Nickel | | 16 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 39 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 31 | 7.0 | " | " | " | " | " | " | |



Project: 1905 E 21st St. - Spud Field

Project Number: [none]
Project Manager: Susan Mearns

Reported:

07/13/21 12:23

$Metals\ by\ EPA\ 6000/7000\ Series\ Methods\ -\ Quality\ Control$

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

| Batch B1G0611 - EPA 3050B | | | | | | | |
|---------------------------|-----|-----|-------|------------------|-----------------|---------|--|
| Blank (B1G0611-BLK1) | | | | Prepared: 07/06/ | 21 Analyzed: 07 | 7/07/21 | |
| Antimony | ND | 8.0 | mg/kg | | | | |
| Selenium | ND | 6.9 | " | | | | |
| Cadmium | ND | 2.5 | " | | | | |
| Vanadium | ND | 5.1 | " | | | | |
| Chromium | ND | 2.3 | " | | | | |
| Cobalt | ND | 3.3 | " | | | | |
| Zinc | ND | 7.0 | " | | | | |
| Thallium | ND | 17 | " | | | | |
| Copper | ND | 5.0 | " | | | | |
| Barium | ND | 6.0 | " | | | | |
| Lead | ND | 7.1 | " | | | | |
| Arsenic | ND | 5.5 | " | | | | |
| Molybdenum | ND | 5.2 | " | | | | |
| Nickel | ND | 3.0 | " | | | | |
| Silver | ND | 2.0 | " | | | | |
| Beryllium | ND | 2.2 | " | | | | |
| LCS (B1G0611-BS1) | | | | Prepared: 07/06/ | 21 Analyzed: 07 | 7/07/21 | |
| Copper | 107 | 5.0 | mg/kg | 100 | 107 | 78-122 | |
| Lead | 112 | 7.1 | " | 100 | 112 | 80-120 | |
| Antimony | 103 | 8.0 | " | 100 | 103 | 75-125 | |
| Chromium | 111 | 2.3 | " | 100 | 111 | 80-120 | |
| Selenium | 105 | 6.9 | " | 100 | 105 | 76-124 | |
| Cobalt | 119 | 3.3 | " | 100 | 119 | 80-120 | |
| Beryllium | 107 | 2.2 | " | 100 | 107 | 80-120 | |
| Silver | 106 | 2.0 | " | 100 | 106 | 60-140 | |
| Arsenic | 105 | 5.5 | " | 100 | 105 | 78-122 | |
| Barium | 112 | 6.0 | " | 100 | 112 | 80-120 | |
| Zinc | 110 | 7.0 | " | 100 | 110 | 80-120 | |
| Nickel | 119 | 3.0 | " | 100 | 119 | 80-120 | |
| Vanadium | 107 | 5.1 | " | 100 | 107 | 80-120 | |
| Cadmium | 103 | 2.5 | " | 100 | 103 | 80-120 | |
| Molybdenum | 108 | 5.2 | " | 100 | 108 | 80-120 | |
| Thallium | 114 | 17 | " | 100 | 114 | 80-120 | |



Mearns Consulting LLC 738 Ashland Avenue

Analyte

Antimony

Chromium

Nickel

Lead

Copper

Thallium

Project: 1905 E 21st St. - Spud Field

Spike

Level

Source

Result

%REC

%REC

Limits

RPD

RPD

Limit

Notes

738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/13/21 12:23

$Metals\ by\ EPA\ 6000/7000\ Series\ Methods\ -\ Quality\ Control$

Sierra Analytical Labs, Inc.

Units

Reporting

Limit

Result

| LCS Dup (B1G0611-BSD1) | | Prepared: 07/06/21 Analyzed: 07/07/21 | | | | | | | | | | | | |
|----------------------------|--------|---------------------------------------|-------|-------------|------------|---------|--------|------|----|--|--|--|--|--|
| Beryllium | 105 | 2.2 | mg/kg | 100 | | 105 | 80-120 | 1.49 | 20 | | | | | |
| Chromium | 106 | 2.3 | " | 100 | | 106 | 80-120 | 4.14 | 20 | | | | | |
| Cadmium | 97.5 | 2.5 | " | 100 | | 97.5 | 80-120 | 5.78 | 20 | | | | | |
| Copper | 112 | 5.0 | " | 100 | | 112 | 78-122 | 4.64 | 20 | | | | | |
| Arsenic | 101 | 5.5 | " | 100 | | 101 | 78-122 | 3.70 | 20 | | | | | |
| Cobalt | 116 | 3.3 | " | 100 | | 116 | 80-120 | 2.58 | 20 | | | | | |
| Silver | 108 | 2.0 | " | 100 | | 108 | 60-140 | 1.96 | 40 | | | | | |
| Molybdenum | 105 | 5.2 | " | 100 | | 105 | 80-120 | 3.50 | 20 | | | | | |
| Barium | 109 | 6.0 | " | 100 | | 109 | 80-120 | 2.55 | 20 | | | | | |
| Vanadium | 105 | 5.1 | " | 100 | | 105 | 80-120 | 1.32 | 20 | | | | | |
| Selenium | 100 | 6.9 | " | 100 | | 100 | 76-124 | 4.29 | 20 | | | | | |
| Antimony | 112 | 8.0 | " | 100 | | 112 | 75-125 | 8.57 | 20 | | | | | |
| Nickel | 115 | 3.0 | " | 100 | | 115 | 80-120 | 3.21 | 20 | | | | | |
| Lead | 115 | 7.1 | " | 100 | | 115 | 80-120 | 3.08 | 20 | | | | | |
| Thallium | 107 | 17 | " | 100 | | 107 | 80-120 | 6.02 | 20 | | | | | |
| Zine | 109 | 7.0 | " | 100 | | 109 | 80-120 | 1.23 | 20 | | | | | |
| Matrix Spike (B1G0611-MS1) | Source | e: 2107028- | 01 | Prepared: (| 07/06/21 A | 7/07/21 | | | | | | | | |
| Vanadium | 126 | 5.1 | mg/kg | 96.8 | 32.6 | 96.9 | 70-130 | | | | | | | |
| Barium | 192 | 6.0 | " | 96.8 | 83.1 | 113 | 70-130 | | | | | | | |
| Cobalt | 102 | 3.3 | " | 96.8 | 7.94 | 97.4 | 70-130 | | | | | | | |
| Molybdenum | 82.1 | 5.2 | " | 96.8 | 0.635 | 84.2 | 70-130 | | | | | | | |
| Cadmium | 84.1 | 2.5 | " | 96.8 | 1.03 | 85.8 | 70-130 | | | | | | | |
| Zinc | 132 | 7.0 | " | 96.8 | 46.6 | 88.5 | 70-130 | | | | | | | |
| Arsenic | 86.3 | 5.5 | " | 96.8 | ND | 89.2 | 70-130 | | | | | | | |
| Selenium | 86.0 | 6.9 | " | 96.8 | 1.66 | 87.2 | 70-130 | | | | | | | |
| Silver | 99.9 | 2.0 | " | 96.8 | 0.269 | 103 | 60-140 | | | | | | | |
| Beryllium | 88.1 | 2.2 | " | 96.8 | 0.220 | 91.1 | 70-130 | | | | | | | |
| | | | | | | | | | | | | | | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

8.0

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17

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70-130

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70-130

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94.6

109

110

85.0

129

135



Project: 1905 E 21st St. - Spud Field

Project Number:[none]Reported:Project Manager:Susan Mearns07/13/21 12:23

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

| Ratch | B1G0611 | - EPA | 3050R | |
|-------|---------|-------|-------|--|
| | | | | |

| Matrix Spike Dup (B1G0611-MSD1) | Source | Prepared: (| 07/06/21 Ar | nalyzed: 07 | | | | | | |
|---------------------------------|--------|-------------|-------------|-------------|-------|------|--------|-------|----|--|
| Barium | 193 | 6.0 | mg/kg | 96.7 | 83.1 | 114 | 70-130 | 0.455 | 20 | |
| Molybdenum | 82.3 | 5.2 | " | 96.7 | 0.635 | 84.4 | 70-130 | 0.168 | 20 | |
| Silver | 98.4 | 2.0 | " | 96.7 | 0.269 | 101 | 60-140 | 1.49 | 40 | |
| Arsenic | 87.1 | 5.5 | " | 96.7 | ND | 90.0 | 70-130 | 0.880 | 20 | |
| Zinc | 148 | 7.0 | " | 96.7 | 46.6 | 105 | 70-130 | 11.0 | 20 | |
| Nickel | 107 | 3.0 | " | 96.7 | 15.2 | 95.2 | 70-130 | 2.37 | 20 | |
| Cobalt | 103 | 3.3 | " | 96.7 | 7.94 | 98.1 | 70-130 | 0.588 | 20 | |
| Copper | 136 | 5.0 | " | 96.7 | 25.5 | 115 | 70-130 | 1.31 | 30 | |
| Beryllium | 87.0 | 2.2 | " | 96.7 | 0.220 | 90.0 | 70-130 | 1.31 | 20 | |
| Thallium | 85.1 | 17 | " | 96.7 | ND | 88.0 | 70-130 | 0.102 | 20 | |
| Lead | 127 | 7.1 | " | 96.7 | 22.8 | 108 | 70-130 | 1.16 | 30 | |
| Chromium | 110 | 2.3 | " | 96.7 | 17.4 | 95.8 | 70-130 | 1.07 | 20 | |
| Cadmium | 86.2 | 2.5 | " | 96.7 | 1.03 | 88.1 | 70-130 | 2.52 | 20 | |
| Vanadium | 124 | 5.1 | " | 96.7 | 32.6 | 94.2 | 70-130 | 2.17 | 20 | |
| Antimony | 91.9 | 8.0 | " | 96.7 | 5.77 | 89.1 | 60-140 | 2.90 | 20 | |
| Selenium | 87.0 | 6.9 | " | 96.7 | 1.66 | 88.3 | 70-130 | 1.16 | 20 | |
| | | | | | | | | | | |

Batch B1G0613 - EPA 7471A

| Blank (B1G0613-BLK1) | | | | Prepared & | Analyzed: | 07/06/21 | | |
|----------------------------|---------|--------------------|-------|------------|-----------|----------|--------|--|
| Mercury | ND | 0.90 | mg/kg | | | | | |
| LCS (B1G0613-BS1) | | | | | | | | |
| Mercury | 0.20 | 0.90 | mg/kg | 0.167 | | 118 | 70-130 | |
| Matrix Spike (B1G0613-MS1) | Source: | Source: 2107028-01 | | | Analyzed: | 07/06/21 | | |
| Mercury | 0.24 | 0.90 | mg/kg | 0.163 | 0.09 | 90.8 | 70-130 | |



Project: 1905 E 21st St. - Spud Field

Project Number: [none]
Project Manager: Susan Mearns

Reported: 07/13/21 12:23

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | | |
|---------------------------------|--------|--------------|-------|-------------|-------------|-------------|---------|------|-------|-------|--|
| Analyte | Result | Limit Units | | Level | Result | %REC | Limits | RPD | Limit | Notes | |
| Batch B1G0613 - EPA 7471A | | | | | | | | | | | |
| Matrix Spike Dup (B1G0613-MSD1) | Sour | ce: 2107028- | | | | | | | | | |
| Mercury | 0.24 | 0.90 | mg/kg | 0.162 | 0.09 | 89.1 | 70-130 | 1.57 | 30 | | |
| Batch B1G0711 - EPA 3060A | | | | | | | | | | | |
| Blank (B1G0711-BLK1) | | | | Prepared: (| 07/07/21 Aı | | | | | | |
| Hexavalent Chromium | ND | 0.10 | mg/kg | | | | | | | | |
| LCS (B1G0711-BS1) | | | | Prepared: (| 07/07/21 Aı | nalyzed: 07 | 7/09/21 | | | | |
| Hexavalent Chromium | 0.158 | 0.10 | mg/kg | 0.150 | | 105 | 80-120 | | | | |
| Matrix Spike (B1G0711-MS1) | Sour | ce: 2107058- | 01 | Prepared: (| 07/07/21 Aı | nalyzed: 07 | 7/09/21 | | | | |
| Hexavalent Chromium | 0.175 | 0.10 | mg/kg | 0.149 | 0.0273 | 99.1 | 75-125 | | | | |
| Matrix Spike Dup (B1G0711-MSD1) | Sour | ce: 2107058- | 01 | Prepared: (|)7/07/21 Aı | nalyzed: 07 | 7/09/21 | | | | |
| Hexavalent Chromium | 0.183 | 0.10 | mg/kg | 0.150 | 0.0273 | 104 | 75-125 | 4.44 | 20 | | |



Mearns Consulting LLC Project: 1905 E 21st St. - Spud Field

738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/13/21 12:23

Notes and Definitions

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

SIERRA ANALYTICAL

CHAIN OF CUSTODY RECORD

TEL: 949 • 348 • 9389 FAX: 949 • 348 • 9115

26052 Merit Circle • Suite 104 • Laguna Hills, CA • 92653

Date: 7 / 6 / 21 Page: 1 of 4/2

Lab Work Order No.: 2107058

| Client: WEAPAS CONSULTIN | Analyses Requested | | | | | | | | | | | | | | | | | |
|---|---------------------------------------|--------|---------------------|--------------|--------------|---------------------------------------|------------|--------|-------------|-----------|----------------------------|------------|-------------|--------------------|------------|-----------|--------------|--|
| Client Address: 738 AGHLANI | D AVE | 1 | | | | | | 700 | | | | | | | <u> </u> | | | Geotracker EDD Info: |
| SANTA MONICA | CA | 90405 | | | - 5 | 16 | ۳ | _ | | | | | | | | | | |
| | | | | <u> </u> | 905 E 21 St | st. Spud | HELD | book | | | | | | İ | | | | |
| | | | | | | | | | | | | | | | | | : | Client LOGCODE |
| Client Tel. No.: 310 403 1921 Time Requested: 48 Hour 72 Hour | | | | | | | | | | | | | | | | - | | |
| Client Fax. No.: 310 396 6878 | | | | | | | | | | İ | | | | ĺ | | | | |
| Client Proj. Mgr.: SASAN | - MEA | ray Yi | 1) | | X | Normal | Mobile 1 | METALS | | | | | | | | | | Site Global ID |
| 011.40 | Sierra | | T | | | Container | No. of | | 5 | | | | | | | 1 | | |
| Client Sample ID. | No. | Date | Time | Matrix | Preservative | Type | Containers | Ħ | ၁ | | <u> </u> | | | | | | | Field Point Names / Comments |
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SIERRA ANALYTICAL

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Date: 7 / 6 / 21 Page; 2 of 2

2107053 Lab Work Order No.: MEARNS CONSULTING COPP Analyses Requested Client Project ID: Client Address: 738 ASHLAND AVE Geotracker EDD Info: SANTA MONICA CA 1905 = 21 St. - Soud Flew Client LOGCODE Turn Around Time Requested: Client Tel. No.: 403 1921 Merans 12 Hour 48 Hour Client Fax. No.: 396 6878 4 Day Day 5 Day MEARN Client Proj. Mgr.: MAZNIK Site Global ID X Normal Mobile Sierra Container Client Sample ID. Date Time Matrix Preservative Containers No. Fleld Point Names / Type Comments ALF TATE SB11-5 7-6-21 401L X 0910 105 × SW Shippou Vis: HAND DELIVERED Total Number of Containers Submitted to Sample Disposal: Laboratory Return to Client The delivery of samples and the signature on this chain of custody form constitutes 7/4/4 authorization to perform the analyses specified above under SEERRA's Terms and Lab Disposal * Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT. SIEVEN Archive ____ mos. * - Samples determined to be hazardous by SIERRA will be returned to CLIENT. Total Number of Containers Received by Laboratory FOR LABORATORY USE ONLY - Sample Receipt Considerer intact Chilled (Temp (CC) Relinquoted By Received By: Smalle Spain Tresenauvas - Varilled By Special Instructions: Troporty Labelled



Human Health Risk Assessment, Town Center Northwest

MEARNS CONSULTING LLC ENVIRONMENTAL CONSULTANTS RISK ASSESSORS

738 Ashland Avenue, Santa Monica, California 90405 Cell 310.403.1921 Tel 310.396.9606 Fax310.396.6878 Mearns.Consulting@verizon.net www.MearnsConsulting.com

Human Health Risk Assessment Northeast Corner E Willow St. and Walnut Avenue Town Center Northwest Signal Hill, California 90755

August 11, 2021

Prepared for:

City of Signal Hill 2175 Cherry Avenue Signal Hill, California 90755

Prepared by:

Mearns Consulting LLC 738 Ashland Avenue Santa Monica, California 90405

MEARNS CONSULTING LLC

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www.MearnsConsulting.com

August 11, 2021

via email

Ms. Elise McCaleb, Economic Development and Redevelopment Manager Ms. Colleen Doan, Community Development Director City of Signal Hill 2175 Cherry Avenue Signal Hill, Ca 90755

RE: Human Health Risk Assessment

Northeast Corner E Willow St., and Walnut Avenue, Town Center Northwest, Signal Hill, California 90755

Dear Ms. McCaleb and Ms. Doan:

I am pleased to present this Human Health Risk Assessment (HHRA) for the 8.35–acre site located at the northeast corner of the intersection of East Willow Street and Walnut Avenue, known as Town Center Northwest, in Signal Hill, Los Angeles County, California 90755 (the site) pursuant to the contract executed on November 12, 2020.

The historical use of the site is an oil field. Ten previously abandoned oil wells, associated piping runs, historic aboveground storage tanks and oil well sumps are located onsite in addition to operating units, idle units, pipelines and a stormwater drainage system with swales. The Signal Hill Petroleum, Inc. Drill Site located in the northeast portion of the site is not a part of the project.

The objectives of this baseline human health risk assessment are to evaluate potential health risks to human receptors posed by concentrations of constituents detected at least one time in the soil matrix and soil vapor underlying the 8.35-acre property, and (2) to determine mitigation measures protective of human health for the proposed residential development.

This baseline human health risk assessment followed the guidance in the Department of Toxic Substances Control (DTSC) Preliminary Endangerment Assessment (PEA) guidance manual (DTSC 2015), U.S. Environmental Protection Agency Risk Assessment Guidance for Superfund volume 1, Human Health Evaluation Manual (RAGs) (USEPA 2004), the U.S. Environmental Protection Agency Risk Assessment Guidance for Superfund volume 1, Human Health Evaluation Manual (Part F, Supplemental Guidance for Inhalation Risk Assessment) (USEPA 2009), the DTSC Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (DTSC, October 2011), the DRAFT DTSC Supplemental Guidance: Screening and Evaluating Vapor Intrusion (DTSC, February 2020), the San Francisco Bay Regional Water Quality Control Board (SFRWQCB) Environmental Screening Levels (ESL) model and the Virginia Department of Environmental Quality Virginia Unified Risk Assessment Model (VURAM).

The results of the human health risk assessment indicate the summed risk of the carcinogenic constituents did exceed the target threshold of $1x10^{-6}$ for the residential occupants and did exceed the target threshold of $1x10^{-5}$ for commercial workers. However, the estimated risks for commercial workers are between 10^{-6} and one in $10,000 (10^{-4})$ which are "safe and protective of public health" (Federal Register 56(20):3535, 1991) within a risk range acceptable to DTSC (February 2020).

The estimated risk for the construction worker scenario did not exceed the target threshold of 1x10⁻⁵.

The results of the human health risk assessment indicate that the estimated summed hazard index of the noncarcinogenic constituents did exceed the target hazard threshold of 1 for the residential occupants and the commercial worker and construction worker scenarios.

Conclusions and Recommendations

A potential future use of the site is multi-family residential. The residual concentrations of benzene, ethylbenzene, methyl tert-butyl ether, naphthalene, tetrachloroethene and gasoline range organics detected in the soil vapor and C13-C22 in the soil matrix poses an adverse impact to future residential occupants. The residual concentration of benzene, ethylbenzene, methyl tert-butyl ether, naphthalene and gasoline range organics in the soil vapor poses an adverse impact to commercial workers. The residual concentration of gasoline range organics in the soil vapor poses an adverse impact to construction workers.

The previously abandoned oil wells should be located, daylighted and methane gas leak tested prior to the installation of vent cones and vent risers pursuant to the City of Signal Hill's Oil and Gas Code §16.24.030 and §16.24.040.

Institutional controls, i.e., a methane mitigation system to be installed subslab of any proposed buildings, pursuant to the City of Signal Hill's Oil and Gas Code §16.24.080 will effectively mitigate risks and hazards due to vapor intrusion to negligible conditions ensuring the site is safe for any future intended use including as a residential property. A redeveloped property precludes exposure to site soils by future residential occupants.

A soil management plan should be prepared prior to any grading activities to be conducted onsite. This soil management plan should provide instructions for the contractor to implement in the event discolored or odiferous soils are discovered during any grading operations. A R1166 permit should be obtained from the AQMD due to the presence of volatiles onsite prior to the start of grading operations.

Additionally construction workers are advised to practice good hygiene and wash their hands prior to smoking or eating or drinking pursuant to 29CFR 1926.1910, 8CCR 4 and 22CCR 2.4 to mitigate contact with soils containing residual concentrations of carbon chains.

Should you have any questions or desire additional information, please contact me at your earliest convenience at 310.403.1921.

Sincerely,

Susan L. Mearns, Ph.D.

x Susan Mearns

Mearns Consulting LLC

TABLE OF CONTENTS

| EXECUTIVE SUMMARY | 1 |
|---|----------------------|
| 1.0 INTRODUCTION | 3 |
| 2.0 SITE BACKGROUND | 4 |
| 3.0 SUMMARY OF FIELD ACTIVITIES | 7 |
| 3.2 Soil Matrix Analytical Results 3.3 Soil Vapor Anlytical Results 3.4 Conclusions and Recommendations | 8 |
| 4.0 CONCEPTUAL SITE MODEL | 9 |
| 5.0 IDENTIFYING CHEMICALS OF CONCERN | 10 |
| 6.0 TOXICITY ASSESSMENT | 11 |
| 7.0 EXPOSURE ASSESSMENT | |
| 8.0 RISK CHARACTERIZATION 8.1 Ingestion and Dermal Contact Exposure Pathways 8.2 Inhalation Pathway Soil Matrix 8.3 SFRWQCB ESL Model 8.4 VURAM Model 8.5 Noncancer Adverse Health Effects 8.6 Lifetime Excess Cancer Risk 8.7 Multipathway Cancer Risk 8.8 Estimation of Risks and Hazards | |
| 9.0 MITIGATION MEASURES | 20 |
| 10.0 UNCERTAINTY ANALYSIS 10.1 Data Collection and Evaluation 10.2 Exposure Assessment 10.2.1 Exposure Pathways 10.3 Toxicity Assessment 10.4 Risk Characterization 10.5 Summary of Risk Assessment Uncertainties | 21 21 21 22 |
| 11.0 REFERENCES | 23 |

Northeast Corner E. Willow St. and Walnut Avenue, Town Center Northwest site Signal Hill, California 90755

TABLES

- Table 1 TPH and Metals Analytical Results in Soil Matrix
- Table 2 Background Metals Analytical Results in Soil Matrix
- Table 3 VOCs Analytical Results in Soil Matrix
- Table 4 SVOCs Analytical Results in Soil Matrix
- Table 5 Soil Vapor Analytical Results
- Table 6 EPCs, Slope Factors, Reference Doses
- Table 7 Exposure Parameters
- Table 8 Estimated Risks and Hazards Residential Scenario
- Table 9 Estimated Risks and Hazards Commercial Scenario
- Table 10 Estimated Risks and Hazards Construction Scenario
- Table 11 Summed Estimated Risks and Hazards

FIGURES

- Figure 1 Site Location
- Figure 2 Site Map
- Figure 3 Oil Wells: Active, Idle and Previously Abandoned
- Figure 4 Concentrations of Metals and Carbon Chains that Exceed Thresholds
- Figure 5 Detected Concentrations of VOCs and SVOCs in Soil
- Figure 6 Soil Vapor Analytical Results
- Figure 7 Conceptual Site Model

APPENDICES

- Appendix A Sierra Analytical Labs, Inc. July 12 & 13, 2021 Soil Matrix Analytical Data
- Appendix B Jones Environmental, Inc. July 27 & 28, 2021 Soil Vapor Data
- Appendix C Sierra Analytical Labs, Inc. April 2005 & July 2021 Background Metals Analytical Data
- Appendix D- Boring Logs
- Appendix E Metals Statistical Analyses
- Appendix F ProUCL Statistical Analyses
- Appendix G ESL Model Results Soil Vapor Residential
- Appendix H ESL Model Results Soil Vapor Commercial
- Appendix I VURAM
- Appendix J LeadSpread

Northeast Corner E. Willow St. and Walnut Avenue, Town Center Northwest site Signal Hill, California 90755

EXECUTIVE SUMMARY

The 8.35–acre site located at the northeast corner of the intersection of East Willow Street and Walnut Avenue, is known as Town Center Northwest, in Signal Hill, Los Angeles County, California 90755.

The objectives of this HHRA are: (1) to evaluate potential health risks to human receptors posed by concentrations of constituents detected at least one time in the soil matrix and soil vapor underlying the 8.35-acre property, and (2) to determine mitigation measures protective of human health for the proposed residential/commercial development.

This baseline human health risk assessment followed the guidance in the Department of Toxic Substances Control (DTSC) *Preliminary Endangerment Assessment* (PEA) guidance manual (DTSC 2015), U.S. Environmental Protection Agency *Risk Assessment Guidance for Superfund volume 1, Human Health Evaluation Manual* (RAGs) (USEPA 2004), the U.S. Environmental Protection Agency *Risk Assessment Guidance for Superfund volume 1, Human Health Evaluation Manual* (Part F, Supplemental Guidance for Inhalation Risk Assessment) (USEPA 2009), the DTSC *Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air* (DTSC, October 2011), the *DRAFT DTSC Supplemental Guidance: Screening and Evaluating Vapor Intrusion* (DTSC, February 2020), the San Francisco Bay Regional Water Quality Control Board (SFRWQCB) Environmental Screening Levels (ESL) model and the Virginia Department of Environmental Quality Virginia Unified Risk Assessment Model (VURAM).

The site is being considered as a multi-family residential redevelopment.

The results of the human health risk assessment indicate the summed risk of the carcinogenic constituents exceeded the target threshold of $1x10^{-6}$ for the residential occupants and exceeded the target threshold of $1x10^{-5}$ for the commercial worker scenario. However these estimated risks are between 10^{-6} and one in $10,000 \ (10^{-4})$ which are "safe and protective of public health" (Federal Register 56(20):3535, 1991) and within a risk range acceptable to DTSC (February 2020).

The results of the human health risk assessment indicate that the estimated summed hazard index of the noncarcinogenic constituents exceeded the target hazard threshold of 1 for the residential occupants, the commercial worker and construction worker scenarios.

The estimated risk for the construction worker scenario did not exceed the target threshold of 1x10⁻⁵.

A methane assessment of the 8.35-acre site was performed in July 2021 in accordance with the City of Signal Hill Oil and Gas Code §16.24.080, City of Signal Hill Project Development Guide (June 20, 2017), the Los Angeles Department of Building and Safety (LADBS) published, *Site Testing Standards for Methane (Reference No. 91.7104.1, Document No. P/BC 2002- 101)*, effective 11/30/04, and the DTSC Methane Advisories (2005 and 2012). Methane was consistently detected in the field at concentrations as great as 861,000 parts per million by volume (ppmv) in soil vapor probes at 5-ft, 10-ft and 20-ft bgs.

Methane was detected in seven of eight soil vapor samples collected from 10-ft and 20-ft bgs and submitted to the Eurofins stationary laboratory at concentrations of 1.5 ppmv, 3,000 ppmv, 2 ppmv, 8,200 ppmv, 11,000 ppmv, 17,000 ppmv and 74,000 ppmv.

Northeast Corner E. Willow St. and Walnut Avenue, Town Center Northwest site Signal Hill, California 90755

Methane mitigation subslab of proposed buildings is recommended (DL Science, Inc. July 15, 2021). The methane mitigation system should consist of a subslab impervious membrane placed inbetween geotextile or geocloth to protect it from sand above and the 4" thick gravel blanket below in conformance with the City of Signal Hill Oil and Gas Code §16.24.080 and City of Signal Hill Project Development Guide (June 20, 2017). Perforated horizontal vent pipes should be placed in the 4" thick gravel blanket and tied into vertical vent risers (typically cast iron) placed inbetween the interior and exterior walls, less than 100-feet apart, extending a minimum of 3-feet above the roof line and should not terminate less than 100-feet from any opening (City of Signal Hill June 2020).

Although designed to capture and vent methane to the atmosphere, other volatile organic compounds (VOCs) in the subsurface (both in the soil matrix and soil vapor) also will be captured and vented by this system.

Conclusions and Recommendations – A potential future use of the site is residential. The residual concentrations of benzene, ethylbenzene, methyl tert-butyl ether, naphthalene, tetrachloroethene and gasoline range organics detected in the soil vapor and naphthalene, 2,6-dinitrotoluene, 4-nitrosodin-propylamine and carbon chains C13-C22 in the soil matrix poses an adverse impact to future residential occupants. The residual concentration of benzene, ethylbenzene, methyl tert-butyl ether, naphthalene and gasoline range organics in the soil vapor poses an adverse impact to commercial workers. The residual concentration of gasoline range organics in the soil vapor poses an adverse impact to construction workers.

The previously abandoned oil wells should be located, daylighted and methane gas leak tested prior to the installation of vent cones and vent risers pursuant to the City of Signal Hill's Oil and Gas Code §16.24.030 and §16.24.040.

Institutional controls, i.e., a methane mitigation system to be installed subslab of any proposed buildings, pursuant to the City of Signal Hill's Oil and Gas Code §16.24.080 will effectively mitigate risks and hazards due to vapor intrusion to negligible conditions ensuring the site is safe for any future intended use including as a residential property. A redeveloped property precludes exposure to site soils by future residential occupants.

A soil management plan should be prepared prior to any grading activities to be conducted onsite. This soil management plan should provide instructions for the contractor to implement in the event discolored or odiferous soils are discovered during any grading operations. A R1166 permit should be obtained from the AQMD due to the presence of volatiles onsite prior to the start of grading operations.

Additionally construction workers are advised to practice good hygiene and wash their hands prior to smoking or eating or drinking pursuant to 29CFR 1926.1910, 8CCR 4 and 22CCR 2.4 to mitigate contact with soils containing residual concentrations of constituents assessed.

Northeast Corner E. Willow St. and Walnut Avenue, Town Center Northwest site Signal Hill, California 90755

1.0 INTRODUCTION

This report presents the results of a baseline Human Health Risk Assessment (HHRA) for 8.35–acre site located at the northeast corner of the intersection of East Willow Street and Walnut Avenue, known as Town Center Northwest, in Signal Hill, Los Angeles County, California 90755 (the site) (Figures 1 and 2).

The purpose of this human health risk assessment is to evaluate the potential adverse health impacts due to exposure to concentrations of constituents detected in the soil matrix and soil vapor underlying the site. If a constituent was detected one time in soil sampled at 5-ft, 10-ft, 15-ft, or the boring terminus, and/or one time in soil vapor at 5-ft or 15-ft bgs it was retained and quantitatively assessed in this human health risk assessment.

This baseline human health risk assessment followed the guidance in the Department of Toxic Substances Control (DTSC) *Preliminary Endangerment Assessment* (PEA) guidance manual (DTSC 2015), U.S. Environmental Protection Agency *Risk Assessment Guidance for Superfund volume 1, Human Health Evaluation Manual* (RAGs) (USEPA 2004), the U.S. Environmental Protection Agency *Risk Assessment Guidance for Superfund volume 1, Human Health Evaluation Manual* (Part F, Supplemental Guidance for Inhalation Risk Assessment) (USEPA 2009), the DTSC *Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air* (DTSC, October 2011), the *DRAFT DTSC Supplemental Guidance: Screening and Evaluating Vapor Intrusion* (DTSC, February 2020), the San Francisco Bay Regional Water Quality Control Board (SFRWQCB) Environmental Screening Levels (ESL) model and the Virginia Department of Environmental Quality Virginia Unified Risk Assessment Model (VURAM).

Northeast Corner E. Willow St. and Walnut Avenue, Town Center Northwest site Signal Hill, California 90755

2.0 SITE BACKGROUND

The 8.35-acre site has been and is an oil field since at least 1928. Historically, the site had oil derricks, sumps and aboveground storage tanks.

The site is bounded by East Willow street on the south and Walnut Avenue on the west, located at the northeast corner of the intersection of East Willow Street and Walnut Avenue and known as Town Center Northwest in Signal Hill, California 90755 (Figures 1 and 2). The latitude of the site is 33° 48' 19.13" north and the longitude is 118° 10' 15.02" west. The Los Angeles County Assessor's Parcel Number for the site is 7212-011-034.

Pursuant to the authorization of Ms. Colleen Doan (Community Development Director, City of Signal Hill) on November 12, 2020 and to comply with the City of Signal Hill Project Development Guide (2020) Mearns Consulting LLC performed a Phase I Environmental Site Assessment (Phase I ESA) for the site in May 2021.

The Phase I ESA had the following conclusions:

- The historical use of the site is an oil field. There are 34 oil wells onsite or contiguous to the site (19 onsite and 15 within the eastern two-thirds of the Drill Site which is not a part of the project site). Operating units, a stormwater system with detention basins, swales, berms and piping currently are onsite.
- Recognized Environmental Conditions onsite include: (1) the previously abandoned oil wells, (2) the historic aboveground storage tanks, (3) historic pipelines associated with the previously abandoned oil wells and/or the aboveground storage tanks, (4) historic sumps associated with the previously abandoned and/or operating oil wells, (5) the storage of 55-gallon containers of used oil, (6) retail-sized containers of motor oil, (7) 5-gallon buckets of oil, (8) residue in catch basins, (9) gasoline containers, (10) surface staining, (11) transformers, (12) forklifts and (13) the northeastern corner drainage are Recognized Environmental Conditions.
- The adjacent properties include commercial/industrial businesses, an oilfield and multifamily residences. The adjacent oilfield and operating units are Potential Recognized Environmental Conditions that may impact the site. The contiguous former Dico Oil Company property with a LURA designation from DTSC also is a Potential Recognized Environmental Condition that may impact the site.
- The adjacent properties include oilfields, operating units and commercial/industrial businesses.
 The adjacent oilfields and operating units are Potential Recognized Environmental Conditions that may impact the site.

The Phase I ESA had the following recommendations:

Pursuant to the City of Signal Hill Project Development Guide (2020) and the City of Signal Hill Oil and Gas Code (2015) a Phase II Environmental Site Assessment (Phase II ESA) should be performed. The Phase II ESA should include soil matrix and soil vapor sampling adjacent to the previously abandoned oil wells, the historic location of the aboveground storage tanks, and within the footprint of the proposed multifamily units.

Northeast Corner E. Willow St. and Walnut Avenue, Town Center Northwest site Signal Hill, California 90755

A baseline human health risk assessment should be performed with the data generated from the Phase II ESA.

A methane assessment should be performed in accordance with the City of Signal Hill Oil and Gas Code §16.24.080.

The previously abandoned oil wells should be daylighted and leak tested pursuant to the City of Signal Hill Oil and Gas Code §16.24.030 and §16.24.040

Piping runs should be identified and removed.

A soil management plan should be prepared prior to any grading activities to be conducted onsite. This soil management plan should provide instructions for the contractor to implement in the event discolored or odiferous soils are discovered during any grading operations.

Northeast Corner E. Willow St. and Walnut Avenue, Town Center Northwest site Signal Hill, California 90755

3.0 SUMMARY OF FIELD ACTIVITIES

Phase II Environmental Site Assessment - Soil samples were collected at 5-ft, 10-ft and 15-ft bgs from 19 locations (Figure 4) in accordance with SW846. A truck mounted direct push rig was used to collect the soil samples. The sampling system was appropriately cleaned between each borehole; rinsate from cleaning was appropriately disposed. Soil was collected in acetate sleeves with Teflon liners and end caps with minimal headspace.

Fifty-six soil samples were logged onto a chain-of-custody form and stored in a cooler at 4°C until delivered to Sierra Analytical Labs, Inc. (a State of California Department of Health Services [DOHS] ELAP accredited laboratory; ELAP No. 2320). Analyses requested were carbon chain ranges C4-C12, C13-C23, C23-C40 via USEPA method GC/FID 8015B, total threshold limit concentration (TTLC) metals and hexavalent chromium via USEPA methods 6010B/7471, volatile organic compounds via USEPA 8260B, collected via USEPA 5035B in the field by placing 5g of soil into volatile organic analyte vials to which preservative had been added and semi-volatile organic compounds via USEPA 8270C. Soil matrix analytical results are included as Appendix A.

These soil borings were then developed as dual-nested soil vapor probes at 5-feet and 15-feet bgs (SV1-SV19) in accordance with Final Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (Vapor Intrusion Guidance), DTSC, October 2011, the Advisory Active Soil Gas Investigations, DTSC, LARWQCB, SFRWQCB, July 2015 and the DRAFT Supplemental Guidance Screening and Evaluating Vapor Intrusion (CalEPA, DTSC, SWRCB February 2020).

A new section of ½-inch diameter nylaflow tubing with a new 6-inch stainless steel probe tip at the terminal end was inserted into the borehole to the desired sampling depth. One-inch diameter polyvinyl chloride (PVC) casing was used as a guide for the tubing to ensure that the desired sampling depth was achieved. Sand was poured into the boring annulus to form an approximately one-foot long sand pack around the probe tip, at which time the PVC piping was withdrawn. Approximately one foot of dry, granular bentonite was placed atop the sand pack and the remainder of the borehole was backfilled with hydrated bentonite to the ground surface to form a seal. The sampling end of the tubing was fitted with a three-way valve and the probe was labeled for identification.

Soil gas samples were collected in general accordance with the July 2015 DTSC and LARWQCB) "Advisory – Active Soil Gas Investigations."

Each probe was allowed to equilibrate for a minimum of 48-hours after installation prior to sampling by a mobile laboratory. Soil vapor samples were collected in glass gas-tight syringes equipped with Teflon plungers. A tracer gas mixture of n-pentane, n-hexane, and n-heptane was placed at the tubing-surface interface before sampling. These compounds were analyzed during the 8260B analytical run to determine if there were surface leaks into the subsurface due to improper installation of the probe. The sampling rate was approximately 200 cc/min, except when noted differently on the chain of custody record, using a glass gas-tight syringe. Purging was completed using a pump set at approximately 200 cc/min, except when noted differently on the chain of custody record. A default of three purge volumes was used as recommended by July 2015 DTSC/RWQCB guidance documents. Prior to purging and sampling of soil vapor at each location, a shut-in test was conducted to check for leaks in the aboveground fittings. The shut-in test was performed on the aboveground apparatus by evacuating the line to a vacuum of 100 inches of water, sealing the entire system and watching the vacuum for at least one minute. A vacuum gauge attached in parallel to the apparatus measured the vacuum. If there is any observable loss of

Northeast Corner E. Willow St. and Walnut Avenue, Town Center Northwest site Signal Hill, California 90755

vacuum, the fittings were adjusted as needed until the vacuum did not change noticeably. The soil gas sample was then collected. No flow conditions occur when a sampling rate greater than 10 mL/min cannot be maintained without applying a vacuum greater than 100 inches of water to the sampling train. The sampling train is left at a vacuum for no less than three minutes. If the vacuum does not subside appreciably after three minutes, the sample location is determined to be a no flow sample.

Forty soil vapor samples, including three duplicates, were collected from these soil vapor probes by a Jones Environmental, Inc. (ELAP 2882) chemist and analyzed in a mobile laboratory on July 27 and 28, 2021. Three duplicates, one per 10 soil vapor samples, were collected and analyzed by the chemist. One deep probe SV19 was unable to be set at 15-feet bgs due to oily conditions. Soil vapor analytical results are included as Appendix B.

Soil matrix samples were collected from Spud Field, 1905 East 21st Street, in Signal Hill, California in April 2005 and July 2021 and analyzed for TTLC metals including hexavalent chromium. The analytical data was used as Signal Hill specific background metal concentrations in two-way statistical analyses to prove the Null Hypothesis, i.e., the sample population of metals concentrations onsite is less than or equal to the sample population representative of background. These background metals analytical results are included as Appendix C.

All drilling, logging and sampling activities were conducted by or under the direct supervision of a State of California registered Professional Geologist, and in accordance with California Well Standards presented in the Department of Water Resources (DWR) Bulletins 74-81 and 74-90. The Site Geology and Hydrogeology section and boring logs were prepared by Mr. Scott R. Fagan, a State of California Professional Geologist PG #4289. Boring logs are included as Appendix D.

3.1 Site Geology - The site is located on the west flank of the Signal Hill uplift created by lateral movement on the Cherry Hill Fault (CHF) (part of the Newport Inglewood fault zone). The CHF is located north of the site and the site overlies the Gardena Syncline, an east-west trending down-fold of the local stratigraphy.

The surface sediments are Recent Alluvium consisting of sand, silt and clay which overlie the Lakewood Formation. Borings are logged as predominantly silt and clay with thin sections of sand.

The Gaspur Aquifer is the first groundwater below the site, below any boring depths achieved during drilling activities. No groundwater was detected in any soil boring.

3.2 Soil Matrix Analytical Results – Carbon chains C4-C12 were detected eight times in 57 soil matrix samples at a concentrations ranging from 0.052 mg/kg to 2,600 mg/kg; four detected concentrations: 1,100 mg/kg, 2,600 mg/kg, 510 mg/kg and 1,500 mg/kg exceed the screening threshold of 82 mg/kg. Carbon chains C13-C22 were detected 12 times in 57 soil matrix samples at concentrations ranging from 34 mg/kg to 2,500 mg/kg; five detected concentrations exceeded the screening threshold of 97 mg/kg. Carbon chains C23-C40 were detected 15 times in 57 soil matrix samples at concentrations ranging from 35 mg/kg to 2,200 mg/kg; none of these detected concentrations were greater than the screening threshold of 2,400 mg/kg (Table 1 and Figure 4).

The following metals were detected in concentrations greater than their respective reporting limits: arsenic, barium, cobalt, trivalent chromium, copper, lead, nickel, selenium, vanadium and zinc (Table 1 and Figure 4). A detected concentration of arsenic, 20 mg/kg, exceeded the screening threshold.

Northeast Corner E. Willow St. and Walnut Avenue, Town Center Northwest site Signal Hill, California 90755

The volatile organic compounds (VOCs) benzene, n-butylbenzene, sec-butylbenzene, tert-butylbenzene, ethylbenzene, isopropylbenzene (cumene), methyl tert-butyl ether (MTBE), naphthalene, n-propylbenzene, m,p-xylenes and o-xylene were detected in concentrations greater than their respective reporting limits (Table 3 and Figure 5). Detected concentrations of naphthalene exceed the screening limit.

Semi-volatile organic compounds (SVOCs) acenaphthene, anthracene, benzo(a)anthracene, 2,4-dinitrophenol, chrysene, 4,6-dinitro-2-methylphenol, 2,4-dinitrotoluene, 2,6-dinitrotoluene, fluorene, 2-methylnaphthalene, naphthalene, 4-nitroaniline, n-nitrosodi-n-propylamine, phenanthrene and pyrene were detected in the soil matrix at concentrations greater than their respective reporting limits. Detected concentrations of benzo(a)anthracene, 2,6-dinitrotoluene and naphthalene exceeded their respective screening levels (Table 4 and Figure 5).

3.3 Soil Vapor Analytical Results – The VOCs, benzene, n-butylbenzene, sec-butylbenzene, cis-1,2-dichloroethene, di-isopropylether, ethylbenzene, isopropylbenzene (cumene), 4-isopropyltoluene (cymene), methylene chloride, naphthalene, n-propylbenzene, tetrachloroethene, toluene, total xylenes and gasoline range organics (GRO) were detected in concentrations greater than their respective reporting limits in the vapor phase (Table 5 and Figure 6). All of these volatiles were detected at concentrations that exceeded their respective screening thresholds. The greatest detected concentration of benzene, 8,850 micrograms per cubic meter (μ g/m3) was detected at SV7-15 adjacent to a previously abandoned oil well and along a pipeline corridor. Generally concentrations of volatiles in the vapor phase increased with depth.

3.4 Conclusions and Recommendations

Carbon chains, C4-C12, C13-C22, C23-C40, metals VOCs and SVOCs were detected in the soil matrix. Sixteen volatile organic compounds were detected in the vapor phase in soil vapor underlying the site (Table 5 and Figure 6).

The carbon chains C4-C12 and C13-C22 were detected at concentrations greater than their respective screening thresholds (Table 1 and Figure 4). Arsenic was detected at concentrations greater than the screening threshold (Table 1 and Figure 4). Three VOCs/SVOCs in the soil matrix exceeded their respective screening thresholds. Seventeen volatile organic compounds in the vapor phase were detected at concentrations that exceeded their respective screening thresholds (Tables 3-5 and Figures 5 and 6).

As the proposed future development for the site is residential, a human health risk assessment is warranted based on the results of this Phase II ESA. The human health risk assessment should include an evaluation of potential health impacts to future residential, commercial and construction workers.

Northeast Corner E. Willow St. and Walnut Avenue, Town Center Northwest site Signal Hill, California 90755

4.0 CONCEPTUAL SITE MODEL

A conceptual site model was developed to identify the potential complete exposure pathways by which constituents detected in soil could impact human health (Figure 7).

The conceptual site model identifies potential sources, environmental release mechanisms, potential migration pathways, potential exposure pathways, potential exposure routes and potential human receptors onsite.

The conceptual site model identified the following potential complete exposure pathways:

- Future onsite resident
 - 1. ingestion/dermal contact with surface soil
 - 2. inhalation of constituents from surface soil entrained in dust
 - 3. inhalation of VOCs from soil vapor in surface and subsurface soil that have migrated to indoor air
- Future commercial building occupant
 - 1. ingestion/dermal contact with surface soil
 - 2. inhalation of constituents from surface soil entrained in dust
 - 3. inhalation of VOCs from soil vapor in surface and subsurface soil that have migrated to indoor air
- Future construction worker
 - 1. ingestion/dermal contact with surface soil
 - 2. inhalation of constituents from surface and subsurface soil entrained in dust
 - 3. inhalation of VOCs from soil vapor in surface and subsurface soil that have migrated to outdoor air, including trenches

Consumption of fruit or vegetables grown in soil is not considered to be a complete potential exposure pathway under future site conditions.

Potential direct exposures (ingestion and dermal contact) to groundwater are not complete pathways as drinking water is provided by a remote municipal water supply, so there is little chance of incidental exposure. Discharge of groundwater to surface water also is not considered to be a complete migration pathway since there are no surface water bodies that are recharged by artesian flow or groundwater seepage in the vicinity of the site.

The potential for chemicals in soil to leach to underlying groundwater used as a drinking water source is considered very low as several aquitards or aquicludes exist below the maximum depth of impacted soils and groundwater used as a drinking water source.

There is very limited ecological habitat at and near the site. Wetlands were not observed onsite or at adjacent sites. There are no natural or undisturbed areas onsite. Based on the lack of viable ecological habitat at and near the site, there are no complete ecological pathways onsite.

Northeast Corner E. Willow St. and Walnut Avenue, Town Center Northwest site Signal Hill, California 90755

5.0 IDENTIFYING CHEMICALS OF CONCERN

All constituents detected at least one time in the soil matrix and in soil vapor underlying the site were quantitatively assessed using the appropriate exposure pathway in this risk assessment.

Pursuant to the following guidance documents, Selecting Inorganic Constituents as Chemicals of Concern for Risk Assessments at Hazardous Waste Sites and Permitted Facilities (DTSC 1997), Background Metals at Los Angeles Unified School Sites – Arsenic (DTSC 2005) and Arsenic Strategies, Determination of Arsenic Remediation, Development of Arsenic Cleanup Goals (DTSC 2009) the following statistical tests: (a) Wilcoxon-Mann-Whitney, (b) Gehan, (c) Tarone-Ware, (d) Multiple Box Plots, (e) Multiple Histograms and (f) Q-Q Plots, were used to determine whether detected concentrations of metals in the soil matrix onsite were within background concentrations. The results of these statistical analyses are included as Appendix E.

These two sample hypotheses tests with non-detects are based on the null hypothesis. The Null hypothesis tests whether the mean and median of the concentrations of each metal detected in onsite soils are less than or equal to the mean and median concentrations of the concentrations of the same metal detected in offsite or background soil samples.

The alternative hypothesis tested was whether the mean and median of the concentrations of detected metals in soils onsite are greater than the mean and median concentrations of the concentrations of the same metals in offsite or background soil samples.

The graphs (1) Multiple Box Plots, (2) Multiple Histograms and (3) Q-Q Plots with non-detects visually indicate whether the detected concentrations of metals in onsite soils are within the population of background metals.

The conclusion based on these quantitative statistical tests was all detected concentrations of metals onsite were within the background population. Selenium was not detected in the background samples, therefore this metal was quantitatively assessed in the human health risk assessment via the ingestion, dermal contact and inhalation routes of exposure.

Chemicals of concern quantitatively assessed in the risk assessment include: C4-C12, C13-C22, C23-C40, benzene, n-butylbenzene, sec-butylbenzene, tert-butylbenzene, ethylbenzene, isopropylbenzene, methyl tert-butyl ether, naphthalene, n-propylbenzene, m,p-xylenes, o-xylene, acenaphthene, anthracene, benzo(a)anthracene, 2,4-dinitrophenol, chrysene, 4,6-dinitro-2-methylphenol, 2,4-dinitrotoluene, 2,6-dinitrotoluene, fluorene, 2-methylnaphthalene, 4-nitoaniline, 4-nitrosodi-n-propylamine, pyrene, lead (via LeadSpread), and selenium in the soil matrix; benzene, di-isopropylether, ethylbenzene, isopropylbenzene, isopropyltoluene, methylene chloride, methyl tert-butyl ether, naphthalene, n-propylbenzene, tetrachloroethylene (PCE), toluene, xylenes and gasoline range organics in the vapor phase via either or both the SFRWQCB ESL model or the Virginia DEQ VURAM model.

Northeast Corner E. Willow St. and Walnut Avenue, Town Center Northwest site Signal Hill, California 90755

6.0 TOXICITY ASSESSMENT

Toxicity values are combined with exposure factors to estimate noncancer adverse health effects and cancer risks. Toxicity values include reference doses (RfDs), reference concentrations (RfCs), unit risk factors (URFs) and slope factors (SFs) that are used to evaluate noncancer adverse health effects and cancer risks.

The State of California Office of Environmental Health Hazard Assessment (OEHHA) and the State of California Department of Toxic Substances Control (DTSC) Office of Human and Ecological Risk (HERO) have developed URFs SFs, RfCs and RfDs. Pursuant to regulatory agency guidance OEHHA's and HERO's values are preferentially used instead of USEPA's when available, as OEHHA's and HERO's values are generally more conservative than USEPA's (DTSC 2015, USEPA 2004).

If a constituent had both a risk factor and a reference concentration it was assessed as a carcinogen and as a noncarcinogen. The unit risk factors and reference concentrations were obtained from DTSC HERO (DTSC 2020), ATSDR, IRIS, OEHHA, PPRTV as listed in USEPA's Regional Screening Levels (May 2021) and DTSC's HERO Note 10 (February 2019).

The exposure point concentrations, the slope factors and reference doses for the constituents detected in the soil matrix and quantitatively assessed are presented in Table 6.

Northeast Corner E. Willow St. and Walnut Avenue, Town Center Northwest site Signal Hill, California 90755

7.0 EXPOSURE ASSESSMENT

The exposure assessment provides a scientifically defensible basis for the identification of potentially exposed human receptors and the most likely ways they might be exposed to chemicals of concern at the site. As defined by USEPA (1989), the following four components are necessary for chemical exposure to occur:

- A chemical source and a mechanism of chemical release to the environment
- An environmental transport medium (e.g., soil) for the released chemical
- A point of contact between the contaminated medium and the receptor (i.e., the exposure point)
- An exposure route (e.g., ingesting chemically-impacted soil) at the exposure point

All four of these elements must be present for an exposure pathway to be considered complete and for chemical exposure to occur (USEPA 1989).

This HHRA evaluated the potential for receptors to be exposed to the maximum detected concentrations or the upper confidence level (UCL), whichever value was less, pursuant to the ProUCL User's Guide (USEPA 2004) of the constituents detected in the top 15-ft of soil. The ProUCL model output is included as Appendix F.

The maximum concentrations of the VOCs detected in soil vapor at 5-ft or 20-ft underlying the site were used as the exposure point concentrations in the SFRWQCB ESL vapor intrusion model. Data collected from the soil matrix and soil vapor investigation in 2018 were used in the risk assessment. Exposure point concentrations are presented in Table 6.

7.1 Average and Reasonable Maximum Exposures - Typically two types of exposure scenarios are evaluated in a risk assessment; an average exposure scenario, and a reasonable maximum exposure (RME) scenario. The average exposure scenario represents a more typical exposure, believed to be most likely to occur, while the reasonable maximum exposure scenario represents a plausible worst case situation - one that is not very likely to occur. USEPA guidance (1989) recommends evaluating a reasonable maximum exposure scenario. The reasonable maximum exposure scenario estimates the exposure a receptor might receive using highly conservative intake assumptions (e.g., 90th or 95th percentile for most intake assumptions) and the upper confidence limit (UCL) on the mean of the chemical concentrations. It is assumed that by evaluating a reasonable maximum exposure scenario potential health risks to extremely sensitive individuals within a particular receptor population will be adequately addressed. As an added measure of conservatism, only a reasonable maximum exposure scenario was evaluated in this HHRA.

The DTSC PEA and USEPA guidance contain formulae that incorporate default values which were selected to be health protective. Some of these default values, such as, the exposure frequency, exposure time and exposure duration, were modified when evaluating the commercial worker and construction worker scenarios (DTSC 2015, USEPA 2004).

Northeast Corner E. Willow St. and Walnut Avenue, Town Center Northwest site Signal Hill, California 90755

8.0 RISK CHARACTERIZATION

The risk characterization process incorporates data from the exposure and toxicity assessments. The exposure assessment information necessary to estimate risks and hazards includes the estimated chemical intakes, exposure modeling assumptions, and the exposure pathways assumed to contribute to the majority of exposure for each receptor over a given time period (USEPA 1989a). The exposure parameters for assessing the constituents detected in the soil matrix are included as Table 7.

The method by which chemicals with carcinogenic and/or noncarcinogenic effects are evaluated to determine whether they pose a risk or an adverse impact to human health is discussed below, relative to the exposure pathways by which the receptors may be exposed to the exposure point concentrations of the chemicals of concern.

8.1 Ingestion and Dermal Contact Pathways - To provide an evaluation of chronic risk along the ingestion and dermal contact pathways the following equations for risk and hazard were used consistent with PEA guidance (DTSC 2015).

$$Risk_{soil} = SF_o \ x \ C_s \ x \ \underline{IR_{s, \ adult} \ x \ EF \ x \ ED_{adult} \ x \ 10^{-6} \ kg/mg} \\ = BW_{adult} \ x \ AT \ x \ EF$$

$$+ SF_o \ x \ C_s \ x \ \underline{SA_{adult} \ x \ AF \ x \ ABS \ x \ EF \ x \ ED_{adult} \ x \ 10^{-6} \ kg/mg} \\ = BW_{adult} \ x \ AT \ x \ EF$$

$$+ SF_o \ x \ C_s \ x \ \underline{IR_{s, \ child} \ x \ EF \ x \ ED_{child} \ x \ 10^{-6} \ kg/mg} \\ = BW_{child} \ x \ AT \ x \ EF$$

$$+ SF_o \ x \ C_s \ x \ \underline{SA_{child} \ x \ AF \ x \ ABS \ x \ EF \ x \ ED_{child} \ x \ 10^{-6} \ kg/mg} \\ = BW_{child} \ x \ AT \ x \ EF$$

Where:

 SF_o = cancer slope factor (mg/kg-day) ⁻¹ C_s = concentration in soil (mg/kg) RfD_o = oral reference dose (mg/kg-day)

Northeast Corner E. Willow St. and Walnut Avenue, Town Center Northwest site Signal Hill, California 90755

ABS = absorption fraction (dimensionless)

ED = exposure duration (years)

EF = exposure frequency (days/year)

BW = body weight (kg)

IRs = incidental soil ingestion rate (mg/day)

SA = skin surface area (cm²/event)

AF = soil to skin adherence factor (mg/cm²)

AT = averaging time (days)

Chemical specific values for the absorption fractions (ABS) parameter were obtained from USEPA and DTSC (USEPA June 2021; DTSC May 2020). Toxicity and exposure point concentrations are found in Table 6. Exposure parameters for assessing constituents detected in the soil matrix are presented in Table 7. The maximum concentration or the upper confidence level, whichever was less, of the constituents detected in the top 15-ft of soils were evaluated in this risk assessment for the residential, commercial worker and construction worker scenarios.

The exposure factors presented in Tables 6 and 7 provide a conservative estimate of chronic risk and hazard to human health due to exposure to the chemicals of concern detected in the soil matrix via the ingestion and dermal contact routes of exposure. The calculated estimates of risk and hazard due to exposure to constituents detected in the soil matrix are provided in Tables 8-11.

8.2 Inhalation Pathway Soil Matrix - To provide an evaluation of chronic risk along the inhalation pathway the following equations (DTSC 2015, USEPA 2009) for estimating risk and hazard due to exposure to constituents of concern detected in the soil matrix were used consistent with PEA guidance (DTSC 2015, USEPA 2009).

Semi-volatile organic compounds and metals in soil are evaluated in outdoor air using particulate emission factors (PEFs) to obtain concentrations of chemicals in dust. PEFs are used to develop an estimate of the concentration of a chemical in dust based on its concentration in soil. It assumes that the dust from the site is caused by the wind and not created by mechanical means (e.g. construction activities, tilling, automobile traffic, etc.) (DTSC 2015).

A default PEF of 1.36E+09 (m³/kg) is used for the residential and commercial worker scenarios, and a PEF of 1.00E+06 is used for the construction worker scenario (DTSC 2015, USEPA 2009). It assumes an infinite source of chemicals, a vegetative cover of 50%, and a mean annual wind speed of 4.69 m/s. This is equivalent to a dust concentration of 0.76 g/m³ at the receptor. The default dispersion term (Q/C) of 90.80 (g/m²-s per kg/m³) is based on a site of 0.5 acres and dispersion modeling runs of 29 sites across the United States. The default Q/C provides a conservative estimate of the long-term exposure to dust (DTSC 2015).

$$C_a = (C_s/PEF) \times 1000 \mu g/mg$$

Where:

 $C_a = \text{concentration in air, mg/m}^3$

 C_s = concentration in soil, mg/kg

PEF = particulate emission factor

Northeast Corner E. Willow St. and Walnut Avenue, Town Center Northwest site Signal Hill, California 90755

 $Risk_{air} = IUR \ x \ C_a \ x \ \underline{ET \ x \ EF \ x \ ED} \\ AT \\ Hazard_{air} = (1/RfC \ x \ 1000 \mu g/mg) \ x \ C_a \ x \ \underline{ET \ x \ EF \ x \ ED} \\ AT$

Where:

IUR = inhalation unit risk factor $(\mu g/m^3)^{-1}$ RfC = reference concentration $(\mu g/m^3)$

 C_a = contaminant concentration in air (mg/m³)

ET = exposure time (hours/day)

EF = exposure frequency (days/year)

ED = exposure duration (years)

AT = averaging time (hours)

The risk and hazard for the air pathway are based on either the exposure to volatile emissions for VOCs or the exposure to fugitive dust emissions for non-VOCs. The Office of Scientific Affairs defines a VOC as a chemical with a vapor pressure of 0.001 mm mercury or higher and a Henry's Law Constant of 1 x 10^{-5} or higher. Exposure to a chemical via the air pathway can be adequately performed using either volatilization or fugitive dust scenarios; it is not necessary to do both (DTSC 2015).

For this risk assessment exposure to non-VOCs detected in the soil matrix via the inhalation pathway was performed using the fugitive dust scenario.

8.3 SFRWQCB ESL Vapor Intrusion Model - The SFRWQCB Environmental Screening Levels vapor intrusion model (2019, Rev. 2) was used to estimate potential risk and hazard due to exposure to volatiles in soil vapor in shallow soil (10-feet bgs or less) and in deeper soil (greater than 10-feet bgs).

Either the 95UCL or the maximum detected concentration was used as the exposure point concentration in this vapor intrusion model. Those chemicals of concern that had both reference doses and slope factors available were assessed as both noncarcinogenic and carcinogenic compounds.

The results of the vapor intrusion risk assessment due to exposure to carcinogenic VOCs in both shallow and deep soil is 3.03×10^{-3} for the residential scenario and 6.9×10^{-4} for the commercial worker scenario. The results of the vapor intrusion risk assessment due to exposure to noncarcinogenic VOCs in both shallow and deep soil is 502 for the residential scenario and 117 for the commercial worker scenario. The model results are included on Tables 8 and 9 and in Appendices G and H.

The individual estimated risk value for benzene, ethylbenzene, methyl tert-butyl ether, naphthalene and tetrachloroethene exceeds the threshold of 1 x 10⁻⁶ for residential receptors. The individual estimated risk value for benzene, ethylbenzene, methyl tert-butyl ether and naphthalene exceeds the threshold of 1 x 10⁻⁵ for commercial worker receptors. The individual estimated hazard value for benzene, methyl tert-butyl ether, naphthalene and gasoline range organics exceeds the threshold of 1 for residential occupants. The individual estimated hazard value for benzene, naphthalene and gasoline range organics exceeds the threshold of 1 for commercial workers.

8.4 VURAM - The Virginia Unified Risk Assessment Model (VURAM) was used to estimate the potential risks and hazards due to inhalation of VOCs by construction workers while working in a trench. Either the 95UCL or maximum detected concentrations of the volatiles detected in soil vapor were used

Northeast Corner E. Willow St. and Walnut Avenue, Town Center Northwest site Signal Hill, California 90755

as the exposure point concentrations in VURAM.

The results of the vapor intrusion risk assessment due to exposure to carcinogenic volatiles in soil vapor for construction workers exposed in a trench estimated using the VURAM model was 9.18 x 10⁻⁷ and the hazard was 4 and are included in Table 10 and as Appendix I.

This estimated risk value does not exceed the threshold of 1 x 10⁻⁵ for construction workers working in a trench. The estimated hazard value of 4 does exceed the threshold and is attributable to gasoline range organics.

- 8.5 Noncancer Adverse Health Effects- Noncarcinogenic effects or hazards are typically evaluated by comparing an exposure level over a specified time period (e.g., a lifetime or 25 years), with a reference dose based on a similar time period. Hazard quotient values less than 1 indicate that potential exposures to noncarcinogenic COCs are not expected to result in toxicity (USEPA 1989). Summing the hazard quotient values to derive a hazard index (HI) provides an estimation of the total potential hazard due to a simultaneous exposure to all the noncarcinogenic COCs. However, summing hazard quotient values is not necessary when the chemicals of concern target different organs within the body (USEPA 1989, DTSC 2015). Although the noncarcinogenic chemicals of concern quantitatively assessed in this risk assessment target different organs within the body, the estimated hazard quotients were summed to derive a HI.
- 8.6 Lifetime Excess Cancer Risk Slope factors are used to estimate the potential risk associated with exposure to individual COCs. The slope factor is multiplied by the chronic daily intake averaged over 70 years to estimate lifetime excess cancer risk. "Excess" or "incremental" cancer risk represents the probability of an individual developing cancer over a lifetime as a result of chemical exposure, over and above the baseline or "background" cancer risk in the general population. Cancer risks and noncancer health hazards estimated in the HHRA are regarded as estimated or theoretical results developed on the basis of the toxicity factors, chemical fate and transport, exposure assumption, and other inputs previously described. Cancer risks do not represent actual cancer cases in actual people. Rather, risks are calculated on the basis of an entirely hypothetical set of conditions. This assumed "exposure scenario" is developed to protect human health, and is based on standard USEPA and Cal-EPA methods and assumptions.

USEPA characterizes theoretical excess lifetime cancer risks below one in one million (10⁻⁶) as not of concern and has stated that risks between 10⁻⁶ and one in 10,000 (10⁻⁴) are "safe and protective of public health" (Federal Register 56(20):3535, 1991). Remedial action is not generally required by USEPA for sites with a theoretical lifetime excess risk of less than 10⁻⁴; whereas the State of California uses a risk-management approach (DTSC 2011). The DRAFT guidance indicates DTSC considers the risk range between 10⁻⁴ and 10⁻⁶ in risk management decisions (DTSC February 2020).

The more stringent target risk of 10⁻⁶ is typically applied to residential receptors. To provide perspective, a total theoretical lifetime excess cancer risk of one in 100,000 (10⁻⁵) is frequently accepted by Cal-EPA for worker receptors at California sites, and the target risk for chemicals evaluated under State Proposition 65 regulations is 10⁻⁵ (22CCR 12703).

8.7 Multipathway Cancer Risk - Based on regulatory guidelines, it is appropriate to combine risk estimates across exposure pathways for a given receptor. At the same time, exposure to multiple carcinogenic COCs is also typically considered to be additive. For exposures to multiple pathways and

Northeast Corner E. Willow St. and Walnut Avenue, Town Center Northwest site Signal Hill, California 90755

chemicals, the following equation was used to estimate total theoretical lifetime excess carcinogenic risks:

Where:

Total Risk = Excess cancer risk from exposure to n chemicals via m pathways

m = Number of exposure pathways

n = Number of chemicals

CR _{i,p} = Potential cancer risk from exposure to chemical i via pathway p

This equation was used to estimate the total potential cancer risks due to exposure to the carcinogenic COCs via the ingestion, dermal contact and inhalation routes of exposure. The estimated risks, total risk, estimated hazards and hazard index are presented in Tables 8-11.

8.8 Estimation of Risks and Hazards

Residential Scenario -

Estimated Risk Soil Ingestion and Dermal contact - The estimated risk due to exposure to constituents detected in the soil matrix via the ingestion and dermal contact exposure routes is 1.99×10^{-5} greater than the target threshold 1×10^{-6} .

Estimated Risk Soil & Soil Vapor Inhalation - The estimated risk due to exposure to constituents detected in the soil matrix and soil vapor via the inhalation exposure route is 3.03×10^{-3} greater than the target threshold 1×10^{-6} and is attributable to benzene, ethylbenzene, methyl tert-butyl ether, naphthalene and tetrachloroethene in the vapor phase.

Hazard Quotients Soil Ingestion and Dermal Contact - The sum of the estimated hazard quotients due to exposure to constituents detected in the soil matrix via the ingestion and dermal contact exposure routes is 2.88, greater than 1, the target hazard value, and is attributable to C13-C22.

Hazard Quotients Soil & Soil Vapor Inhalation - The sum of the estimated hazard quotients due to exposure to constituents detected in the soil matrix via the inhalation exposure route is 3, greater than 1, the target hazard value. The sum of the estimated hazard quotients due to exposure to constituents detected in soil vapor is 503, greater than the target threshold value and is attributable to benzene, methyl tert-butyl ether, naphthalene and gasoline range organics.

Summed Risk - The total risk, summed across all exposure pathways for all carcinogenic chemicals of concern in the soil matrix and soil vapor, is 3.02×10^{-3} , greater than the target risk.

Hazard Index – The total hazard, summed across all exposure pathways for all noncarcinogenic chemicals of concern in the soil matrix and soil vapor is 506, greater than the target hazard value. These estimated risk and hazards values are presented in Tables 8 and 11.

Northeast Corner E. Willow St. and Walnut Avenue, Town Center Northwest site Signal Hill, California 90755

Commercial Worker Scenario

Estimated Risk Soil Ingestion and Dermal contact - The estimated risk due to exposure to constituents detected in the soil matrix via the ingestion and dermal contact exposure routes is 7.23×10^{-6} less than the target threshold 1×10^{-5} .

Estimated Risk Soil & Soil Vapor Inhalation - The estimated risk due to exposure to constituents detected in the soil matrix and soil vapor via the inhalation exposure route is 6.84×10^{-4} greater than the target threshold 1 x 10^{-5} and is attributable to benzene, ethylbenzene, methyl tert-butyl ether and naphthalene.

Hazard Quotients Soil Ingestion and Dermal Contact - The estimated hazard quotients due to exposure to constituents detected in the soil matrix via the ingestion and dermal contact exposure routes is 0.30, less than 1, the target hazard value.

Hazard Quotients Soil & Soil Vapor Inhalation - The estimated hazard quotients due to exposure to constituents detected in the soil matrix via the inhalation exposure route, 1.6E-05, is less than 1, the target hazard value. The sum of the estimated hazard quotients due to exposure to constituents detected in soil vapor is 117, greater than the target threshold value and is attributable to benzene, naphthalene and gasoline range organics.

Summed Risk - The total risk, summed across all exposure pathways for all carcinogenic chemicals of concern in the soil matrix and soil vapor, is 6.91×10^{-4} , greater than the target threshold 1×10^{-5} .

Hazard Index – The total hazard, summed across all exposure pathways for all noncarcinogenic chemicals of concern in the soil matrix and soil vapor is 117, greater than the target hazard value. These estimated risk and hazards values are presented in Tables 9 and 11.

Construction Worker Scenario – Soil Matrix

Estimated Risk Soil Ingestion and Dermal contact - The estimated risk due to exposure to constituents detected in the soil matrix via the ingestion and dermal contact exposure routes is 1.07×10^{-6} less than the target threshold 1×10^{-5} .

Estimated Risk Soil & Soil Vapor Inhalation - The estimated risk due to exposure to constituents detected in the soil matrix and soil vapor via the inhalation exposure route is 9.38×10^{-7} less than the target threshold 1×10^{-5} .

Hazard Quotients Ingestion and Dermal Contact - The estimated hazard quotients due to exposure to constituents detected in the soil matrix via the ingestion and dermal contact exposure routes is 1.55, greater than 1, the target hazard value.

Hazard Quotients Soil & Soil Vapor Inhalation - The estimated hazard quotients due to exposure to constituents detected in the soil matrix via the inhalation exposure route is 0.04, less than 1, the target hazard value. The sum of the estimated hazard quotients due to exposure to constituents detected in soil vapor is 4, greater than the target threshold value.

Summed Risk - The total risk, summed across all exposure pathways for all carcinogenic chemicals of concern in the soil matrix, is 2×10^{-6} , less than the target threshold 1×10^{-5} .

Northeast Corner E. Willow St. and Walnut Avenue, Town Center Northwest site Signal Hill, California 90755

Hazard Index – The total hazard, summed across all exposure pathways for all noncarcinogenic chemicals of concern in the soil matrix is 6, greater than the target hazard value. These estimated risk and hazards values are presented in Tables 10 and 11.

Northeast Corner E. Willow St. and Walnut Avenue, Town Center Northwest site Signal Hill, California 90755

9.0 MITIGATION MEASURES

Institutional controls, i.e., the required methane mitigation system to be installed subslab of the proposed buildings and paving of surface soils for parking effectively mitigates the risks and hazards to negligible conditions ensuring the site is safe for the future intended use as a residential/commercial property.

Methane mitigation subslab of proposed buildings is recommended based on the Methane Assessment (DL Science, Inc. July 15, 2021). The methane mitigation system should consist of a subslab impervious membrane placed inbetween geotextile or geocloth to protect it from sand above and the 4" thick gravel blanket below in conformance with the City of Signal Hill Oil and Gas Code §16.24.080 and City of Signal Hill Project Development Guide (June 2020). Perforated horizontal vent pipes should be placed in the 4" thick gravel blanket and tied into vertical vent risers (typically cast iron) placed inbetween the interior and exterior walls, less than 100-feet apart, extending a minimum of 3-feet above the roof line and should not terminate less than 100-feet from any opening (City of Signal Hill June 2020).

Although designed to capture and vent methane to the atmosphere, other volatile organic compounds in the subsurface (both in the soil matrix and soil vapor) also will be captured and vented by this system.

If an impervious surface paving area is 5,000 square feet or greater and contiguous to the proposed buildings, the paving should have vents spaced less than 100-ft apart consisting of four sided concrete boxes with traffic rated grates and 4" thick gravel blanket at the base. The vents should be designed to prevent surface water infiltration.

If a level of the parking structure that is below ground surface it should have an exhaust ventilation system that is in compliance with the California Mechanical Code.

All enclosed parking garages in North America are subject to ventilation standards established by the International Mechanical Code (IMC) and the American Society of Heating, Refrigeration, and Air-Conditioning Engineers (ASHRAE). The IMC and ASHRAE stipulate that garage ventilation systems run continuously during building-occupied hours, with an exception made for those that deploy carbon monoxide sensor-based, demand-controlled ventilation systems.

A soil management plan should be prepared to provide guidance to building contractors in the event discolored or odiferous soils or soils with elevated VOCs are discovered during onsite excavation and grading activities.

Additionally construction workers are advised to practice good hygiene and wash their hands prior to smoking or eating or drinking pursuant to 29CFR 1926.1910, 8CCR 4 and 22CCR 2.4 to mitigate contact with soils containing petroleum hydrocarbons.

A Rule 1166 Permit/Compliance Plan should be obtained from the South Coast Air Quality Management District prior to site grading. VOC monitoring under an Air Quality Management District R1166 Permit ensures construction workers are protected from VOCs during earthwork.

Northeast Corner E. Willow St. and Walnut Avenue, Town Center Northwest site Signal Hill, California 90755

10.0 UNCERTAINTY ANALYSIS

The uncertainty analysis characterizes the propagated uncertainty in health risk assessments. These uncertainties are driven by variability in:

- The chemical data selection and assumptions used in the models with which concentrations at receptor locations were estimated.
- The variability of receptor intake parameters.
- The accuracy of toxicity values used to characterize exposure, hazards and cancer risks.

Additionally, uncertainties are introduced in the risk assessment when exposures to several substances across multiple pathways are summed.

Quantifying uncertainty is an essential element of the risk assessment process. According to USEPA's Guidance on Risk Characterization for Risk Managers and Risk Assessors, point estimates of risk "do not fully convey the range of information considered and used in developing the assessment" (USEPA 1992). The following components of the risk assessment process can introduce uncertainties:

- Data Collection and Evaluation
- Exposure Assessment
- Toxicity Assessment
- Risk Characterization
- **10.1 Data Collection and Evaluation -** The techniques used for data sampling and analysis and the methods used for identifying chemicals for evaluation in this risk assessment, may result in a number of uncertainties. These uncertainties are itemized below in the form of assumptions.
 - It was assumed that the nature and extent of chemical impacts on and near the site have been adequately characterized. If this assumption is not valid, then potential health impacts may be over- or underestimated.
 - Systematic or random errors in the chemical analyses may yield erroneous data. These types of errors may result in a slight over- or underestimation of risk.
- **10.2 Exposure Assessment -** A number of uncertainties are associated with the exposure assessment, including estimation of exposure point concentrations and assumptions used to estimate chemical intakes. Key uncertainties associated with these components of the HHRA are summarized below.
- 10.2.1 Exposure Pathways The exposure pathways evaluated in this HHRA are expected to represent the primary pathways of exposure, based on the results of the chemical analyses, and the expected fate and transport of these chemicals in the environment. Minor or secondary pathways may also exist, but often cannot be identified or evaluated using the available data. The contribution of secondary pathways to the overall risk from the site is not likely to be significant. In addition, intake assumptions are reflective of trends (usually for the most sensitive individual within an entire population), and as such are subject to intrinsic variability. In both cases, their presence introduces a level of uncertainty to this risk assessment process.

Northeast Corner E. Willow St. and Walnut Avenue, Town Center Northwest site Signal Hill, California 90755

- **10.3 Toxicity Assessment -** Toxicity information for many chemicals is often limited. Consequently, there are varying degrees of uncertainty with the calculated toxicity values. Sources of uncertainty associated with toxicity values include:
 - Using dose-response information from effects observed at high doses to predict the adverse
 health effects that may occur following exposure to the low levels expected from human
 contact with the agent in the environment.
 - Using dose-response information from short-term exposures to predict the effects of long-term exposures.
 - Using dose-response information from animal studies to predict effects in humans.
 - Using dose-response information from homogeneous animal populations or human populations to predict the effects likely to be observed in the general population consisting of individuals with a wide range of sensitivities.

To compensate for these uncertainties, USEPA typically applies a margin of safety when promulgating human toxicity values. Therefore, use of USEPA toxicity values likely results in an overestimation of potential hazard and risk.

- **10.4 Risk Characterization** The reasonable maximum exposure scenario risk characterization represents an over-estimation of risk. Site-specific information regarding depth below ground at which the constituents of concern were detected was not used in the equations. The reasonable maximum exposure scenario estimated the risk to the receptors based on the maximum detected concentrations or the UCLs for the constituents quantitatively assessed in this risk assessment.
- 10.5 Summary of Risk Assessment Uncertainties The analysis of the uncertainties associated with this risk assessment indicates that the estimated risks and hazards derived from the equations in the PEA Manual (DTSC 2015), the RAGs Manual (USEPA 2009), the LeadSpread Model (DTSC) and the ESL and VURAM vapor intrusion models for the reasonable maximum exposure scenario represent an overestimation of risk. Although as outlined in the sections above, many factors can contribute to the over- or underestimation of risk, in general, a mixture of conservative and upper-bound input values were identified to estimate potential exposures. Compounding conservative and upper-bound input values in the risk assessment process are intended to lead to reasonable, maximum, health-conservative estimates. The actual impacts to human health are most likely less than those estimated in this HHRA for the evaluated receptors and pathways.

Northeast Corner E. Willow St. and Walnut Avenue, Town Center Northwest site Signal Hill, California 90755

11.0 REFERENCES

California Environmental Protection Agency (Cal-EPA). 1992. Supplemental Guidance for Human Health Multimedia Risk Assessments of Hazardous Waste Sites and Permitted Facilities.

California Environmental Protection Agency (Cal-EPA) Department of Toxic Substances Control (DTSC). 1997. Selecting Inorganic Constituents as Chemicals of Potential Concern at Risk Assessments at Hazardous Waste Sites and Permitted Facilities. February 1997.

California Environmental Protection Agency (Cal-EPA) Department of Toxic Substances Control (DTSC). 2005. Final Report, Background Metals at Los Angeles Unified School Sites – Arsenic. June 6, 2005.

California Environmental Protection Agency (Cal-EPA) Department of Toxic Substances Control (DTSC). 2007. Arsenic Strategies, Determination of Arsenic Remediation, Development of Arsenic Cleanup Goals for Proposed and Existing School Sites. March 21, 2007.

California Environmental Protection Agency (Cal-EPA) Department of Toxic Substances Control (DTSC). 2011. Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air October 2011.

California Environmental Protection Agency (Cal-EPA) Department of Toxic Substances Control (DTSC). 2015. Preliminary Endangerment Assessment Guidance Manual.

Chernoff, G., W. Bosan and D. Oudiz. Determination of a Southern California Regional Background Arsenic Concentration in Soil.

DL Science, Inc. July 15, 2021. Summary Report for Methane Soil Gas Investigation at Town Center North West Site, Northeast Corner of Intersection of East Willow Ave. and Walnut Ave., Signal Hill, California (90755).

DTSC Human and Ecological Risk Office (HERO) Human Health Risk Assessment (HHRA) Note Number 3. June 2020.

DTSC HERO Human Health Risk Assessment Note Number 10. February 2019.

DTSC's LeadSpread 8.0 Model.

Mearns Consulting, LLC. May 27, 2021. Phase I Environmental Site Assessment Northeast Corner of E Willow St. and Walnut Avenue, Town Center Northwest, Signal Hill, California 90755 (2 volumes).

Mearns Consulting, LLC. July 30, 2021. Phase II Environmental Site Assessment Northeast Corner of E Willow St. and Walnut Avenue, Town Center Northwest, Signal Hill, California 90755.

USEPA. May 2021. Regional Screening Levels.

United States Environmental Protection Agency (USEPA). July, 1996. Soil Screening Guidance: User's Guide. Office of Solid Waste and Emergency Response. Publication 9355.4-23.

Northeast Corner E. Willow St. and Walnut Avenue, Town Center Northwest site Signal Hill, California 90755

United States Environmental Protection Agency (USEPA). December, 2004. Risk Assessment Guidance for Superfund (RAGs), Office of Emergency and Remedial Response. EPA/540/1-9/002.

United States Environmental Protection Agency (USEPA). 2004. Risk Assessment Guidance for Superfund - Volume I - Human Health Evaluation Manual (Part B, Development of Risk-Based Preliminary Remediation Goals). Office of Emergency and Remedial Response. Publication 9285.7-01B.

United States Environmental Protection Agency (USEPA). 2009. Risk Assessment Guidance for Superfund - Volume I - Human Health Evaluation Manual (Part F, Supplemental Guidance for Inhalation Risk Assessment).

United States Environmental Protection Agency (USEPA). April, 2004. ProUCL Guidance.

United States Environmental Protection Agency (USEPA). ProUCL version 5.1.02

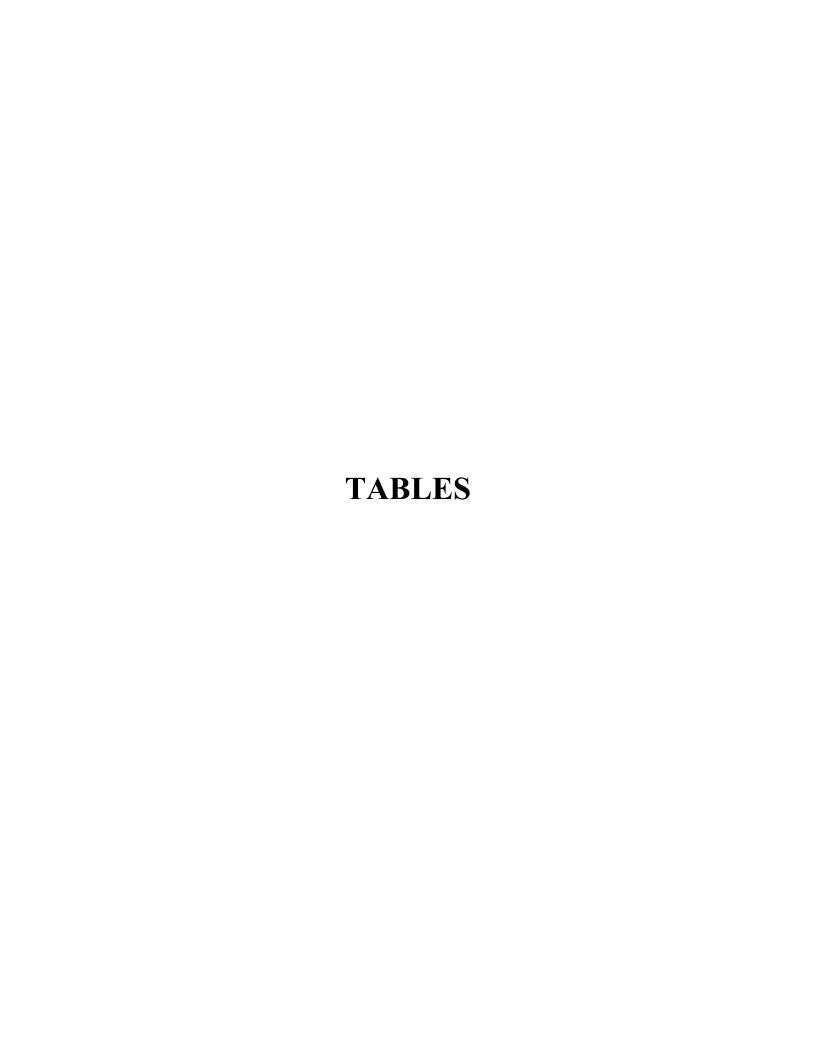


Table 1 - Carbon Chains and Metals Analytical Results in Soil Matrix

| SAMPLE | DATE | As | Ba | Со | Cr | Cu | Ni | Pb | Se | V | Zn | C4-C12 | C13-C22 | C23-C40 |
|------------|-----------|-------|---------|-------|-----------|--------|--------|-------|-------|-------|---------|---------|---------|-----------|
| ID | SAMPLED | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg |
| RSLr | | 0.68 | 15,000 | 23 | 120,000 | 3,100 | | 400 | 390 | 390 | 23,000 | 82 | 97 | 230,000 |
| DTSC-SLr | | 0.11 | | | 36,000 | | 820 | 80 | | 390 | | | 97 | 2,400 |
| RSLi | | 3 | 220,000 | 350 | 1,800,000 | 47,000 | | 800 | 5,800 | 5,800 | 350,000 | 420 | 560 | 3,500,000 |
| DTSC-SLi | | 0.36 | | | 170,000 | | 11,000 | 320 | | 1,000 | | | 500 | 18,000 |
| ESL Tier 1 | | 0.067 | 390 | 23 | 120,000 | 180 | 86 | 32 | 2.4 | 18 | 340 | | | |
| SV1-5 | 7/12/2021 | < 5.5 | 68 | 5.4 | 9.8 | 8.8 | 6.4 | <7.1 | < 6.9 | 15 | 27 | < 0.05 | <5 | <5 |
| SV1-10 | 7/12/2021 | < 5.5 | 77 | 7.1 | 21 | 20 | 12 | <7.1 | < 6.9 | 24 | 42 | < 0.05 | <5 | <5 |
| SV1-15 | 7/12/2021 | < 5.5 | 45 | <3.3 | 7 | <5 | 3.6 | <7.1 | < 6.9 | 6.6 | 22 | < 0.05 | <5 | <5 |
| SV2-5 | 7/12/2021 | < 5.5 | 74 | 5.5 | 11 | 13 | 6.2 | <7.1 | < 6.9 | 13 | 28 | < 0.042 | <5 | 35 |
| SV2-10 | 7/12/2021 | < 5.5 | 82 | 9.3 | 18 | 18 | 12 | <7.1 | < 6.9 | 31 | 36 | < 0.045 | <5 | <5 |
| SV2-15 | 7/12/2021 | < 5.5 | 81 | 6.6 | 21 | 14 | 11 | <7.1 | < 6.9 | 28 | 36 | < 0.05 | <5 | <5 |
| SV3-5 | 7/12/2021 | < 5.5 | 67 | 5.6 | 12 | 11 | 4.3 | <7.1 | < 6.9 | 18 | 25 | < 0.042 | <5 | <5 |
| SV3-10 | 7/12/2021 | < 5.5 | 50 | 6.4 | 18 | 17 | 9.5 | <7.1 | < 6.9 | 31 | 34 | < 0.05 | <5 | <5 |
| SV3-15 | 7/12/2021 | < 5.5 | 32 | 3.7 | 8.3 | 6.2 | 5 | <7.1 | < 6.9 | 18 | 18 | < 0.05 | <5 | <5 |
| SV4-5 | 7/12/2021 | < 5.5 | 63 | 8.2 | 13 | 14 | 8 | <7.1 | < 6.9 | 25 | 26 | < 0.05 | <5 | <5 |
| SV4-10 | 7/12/2021 | < 5.5 | 40 | 4.6 | 14 | 12 | 7 | <7.1 | < 6.9 | 21 | 25 | < 0.05 | <5 | <5 |
| SV4-15 | 7/12/2021 | < 5.5 | 26 | 3.7 | 8.1 | 6.8 | 5.7 | <7.1 | < 6.9 | 14 | 20 | < 0.05 | <5 | <5 |
| SV5-5 | 7/12/2021 | < 5.5 | 82 | 8.1 | 18 | 17 | 10 | <7.1 | < 6.9 | 34 | 34 | < 0.05 | <5 | <5 |
| SV5-10 | 7/12/2021 | < 5.5 | 47 | 5.1 | 12 | 11 | 7.8 | <7.1 | < 6.9 | 21 | 24 | < 0.05 | <5 | <5 |
| SV5-15 | 7/12/2021 | < 5.5 | 61 | 6.1 | 14 | 15 | 8.8 | <7.1 | < 6.9 | 28 | 30 | < 0.05 | <5 | <5 |
| SV6-5 | 7/13/2021 | < 5.5 | 83 | 7.6 | 14 | 14 | 8.5 | <7.1 | < 6.9 | 24 | 28 | < 0.05 | <5 | <5 |
| SV6-10 | 7/13/2021 | < 5.5 | 66 | 6.4 | 21 | 16 | 12 | <7.1 | < 6.9 | 31 | 40 | < 0.05 | <5 | <5 |
| SV6-15 | 7/13/2021 | < 5.5 | 42 | 4.3 | 9.4 | 9 | 6.4 | <7.1 | < 6.9 | 14 | 27 | < 0.05 | <5 | <5 |
| SV7-5 | 7/13/2021 | < 5.5 | 73 | 7.2 | 16 | 13 | 11 | 7.2 | < 6.9 | 27 | 34 | < 0.062 | <5 | <5 |
| SV7-10 | 7/13/2021 | < 5.5 | 50 | 6.6 | 13 | 11 | 7.6 | <7.1 | < 6.9 | 19 | 25 | < 0.071 | <5 | <5 |
| SV7-15 | 7/13/2021 | < 5.5 | 37 | 3.6 | 10 | 8.4 | 6.7 | <7.1 | < 6.9 | 16 | 20 | < 0.05 | <5 | <5 |
| SV8-5 | 7/13/2021 | < 5.5 | 30 | <3.3 | 5.7 | 7.8 | 4 | 19 | < 6.9 | 9.1 | 26 | < 0.042 | <5 | <5 |
| SV8-10 | 7/13/2021 | < 5.5 | 58 | 10 | 12 | 11 | 7.8 | <7.1 | < 6.9 | 21 | 25 | < 0.05 | <5 | <5 |
| SV8-15 | 7/13/2021 | < 5.5 | 50 | 4.6 | 17 | 12 | 9.8 | <7.1 | < 6.9 | 19 | 29 | < 0.05 | <5 | <5 |
| SV9-5 | 7/13/2021 | <5.5 | 3100 | 5.1 | 26 | 31 | 20 | 24 | < 6.9 | 28 | 73 | < 0.067 | 110 | 550 |
| SV9-10 | 7/13/2021 | <5.5 | 77 | 6.2 | 17 | 12 | 8.3 | <7.1 | < 6.9 | 23 | 27 | < 0.043 | <5 | 50 |
| SV9-15 | 7/13/2021 | < 5.5 | 110 | 10 | 30 | 17 | 16 | <7.1 | < 6.9 | 33 | 45 | < 0.05 | <5 | <5 |
| SV10-5 | 7/13/2021 | < 5.5 | 650 | 10 | 25 | 31 | 24 | 42 | < 6.9 | 36 | 100 | < 0.084 | 510 | 650 |
| SV10-10 | 7/13/2021 | < 5.5 | 49 | 4.9 | 10 | 8.3 | 6 | <7.1 | < 6.9 | 16 | 20 | < 0.05 | <5 | 52 |
| SV10-15 | 7/13/2021 | < 5.5 | 81 | 11 | 21 | 15 | 13 | <7.1 | < 6.9 | 36 | 42 | < 0.05 | <5 | <5 |
| SV11-5 | 7/13/2021 | < 5.5 | 150 | 10 | 19 | 21 | 15 | 17 | < 6.9 | 29 | 60 | < 0.05 | <5 | 160 |
| SV11-10 | 7/13/2021 | < 5.5 | 130 | 8.5 | 15 | 10 | 8.1 | <7.1 | < 6.9 | 23 | 28 | < 0.05 | 39 | 200 |
| SV11-15 | 7/13/2021 | < 5.5 | 64 | 6 | 19 | 11 | 11 | <7.1 | < 6.9 | 23 | 31 | < 0.05 | <5 | <5 |
| SV12-5 | 7/13/2021 | < 5.5 | 83 | 5.4 | 12 | 7.8 | 6.4 | <7.1 | < 6.9 | 18 | 23 | < 0.07 | <5 | <5 |
| SV12-10 | 7/13/2021 | < 5.5 | 46 | 5.4 | 10 | 6.7 | 5.7 | <7.1 | < 6.9 | 16 | 20 | < 0.05 | <5 | <5 |
| SV12-15 | 7/13/2021 | < 5.5 | 32 | 3.3 | 7 | <5 | 4.5 | <7.1 | <6.9 | 9.2 | 16 | < 0.05 | <5 | <5 |
| SV13-5 | 7/13/2021 | < 5.5 | 83 | 7.1 | 15 | 9.8 | 8.7 | <7.1 | < 6.9 | 23 | 31 | < 0.05 | <5 | <5 |

Table 1 - Carbon Chains and Metals Analytical Results in Soil Matrix

| SAMPLE | DATE | As | Ba | Co | Cr | Cu | Ni | Pb | Se | V | Zn | C4-C12 | C13-C22 | C23-C40 |
|------------|-----------|-------|---------|-------|-----------|--------|--------|-------|-------|-------|---------|---------|---------|-----------|
| ID | SAMPLED | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg |
| RSLr | | 0.68 | 15,000 | 23 | 120,000 | 3,100 | | 400 | 390 | 390 | 23,000 | 82 | 97 | 230,000 |
| DTSC-SLr | | 0.11 | | | 36,000 | | 820 | 80 | | 390 | | | 97 | 2,400 |
| RSLi | | 3 | 220,000 | 350 | 1,800,000 | 47,000 | | 800 | 5,800 | 5,800 | 350,000 | 420 | 560 | 3,500,000 |
| DTSC-SLi | | 0.36 | | | 170,000 | | 11,000 | 320 | | 1,000 | | | 500 | 18,000 |
| ESL Tier 1 | | 0.067 | 390 | 23 | 120,000 | 180 | 86 | 32 | 2.4 | 18 | 340 | | | |
| SV13-10 | 7/13/2021 | <5.5 | 100 | 5.7 | 21 | 13 | 10 | <7.1 | < 6.9 | 26 | 37 | < 0.05 | <5 | <5 |
| SV13-15 | 7/13/2021 | < 5.5 | 46 | 4.5 | 12 | 8 | 7 | <7.1 | < 6.9 | 16 | 26 | < 0.05 | <5 | <5 |
| SV14-5 | 7/13/2021 | < 5.5 | 50 | 4.7 | 11 | 7.4 | 5.9 | <7.1 | < 6.9 | 15 | 22 | < 0.05 | <5 | <5 |
| SV14-10 | 7/13/2021 | < 5.5 | 88 | 5.6 | 22 | 12 | 9.1 | 26 | < 6.9 | 17 | 61 | 0.21 | 53 | 180 |
| SV14-15 | 7/13/2021 | < 5.5 | 38 | 3.8 | 12 | 6.9 | 6.4 | <7.1 | < 6.9 | 13 | 28 | < 0.05 | <5 | <5 |
| SV15-5 | 7/13/2021 | < 5.5 | 110 | 4.9 | 12 | 9 | 6.7 | <7.1 | < 6.9 | 19 | 28 | < 0.06 | <5 | <5 |
| SV15-10 | 7/13/2021 | < 5.5 | 79 | 7.8 | 16 | 13 | 12 | <7.1 | < 6.9 | 26 | 38 | < 0.056 | <5 | <5 |
| SV15-15 | 7/13/2021 | < 5.5 | 64 | 4.9 | 11 | 6.9 | 7.7 | <7.1 | < 6.9 | 16 | 26 | < 0.065 | <5 | <5 |
| SV16-5 | 7/13/2021 | < 5.5 | 160 | 7.4 | 17 | 20 | 11 | 19 | < 6.9 | 24 | 63 | < 0.058 | 190 | 500 |
| SV16-10 | 7/13/2021 | < 5.5 | 130 | 11 | 24 | 27 | 16 | 27 | < 6.9 | 36 | 86 | < 0.063 | <5 | <5 |
| SV16-15 | 7/13/2021 | < 5.5 | 720 | 8 | 23 | 37 | 16 | 61 | < 6.9 | 28 | 90 | 0.26 | 150 | 200 |
| SV17-5 | 7/13/2021 | 20 | 88 | 6.7 | 18 | 47 | 17 | 57 | < 6.9 | 21 | 180 | 0.052 | 34 | 650 |
| SV17-10 | 7/13/2021 | < 5.5 | 170 | 9.2 | 20 | 21 | 13 | 12 | < 6.9 | 28 | 61 | < 0.05 | <5 | 79 |
| SV17-15 | 7/13/2021 | < 5.5 | 240 | 16 | 35 | 35 | 19 | 12 | 7.4 | 47 | 120 | < 0.05 | <5 | 78 |
| SV18-5 | 7/13/2021 | < 5.5 | 110 | 8.2 | 18 | 16 | 12 | 14 | < 6.9 | 28 | 66 | < 0.10 | 110 | 600 |
| SV18-10 | 7/13/2021 | < 5.5 | 94 | 9.8 | 18 | 14 | 12 | <7.1 | < 6.9 | 32 | 40 | 1100 | 1300 | 2200 |
| SV18-15 | 7/13/2021 | < 5.5 | 100 | 7.7 | 25 | 16 | 16 | <7.1 | < 6.9 | 35 | 54 | 0.48 | <5 | <5 |
| SV19-5 | 7/13/2021 | < 5.5 | 74 | 6.9 | 14 | 11 | 11 | <7.1 | < 6.9 | 24 | 33 | 2600 | 2400 | <250 |
| SV19-10 | 7/13/2021 | < 5.5 | 66 | 7.3 | 17 | 12 | 12 | <7.1 | < 6.9 | 23 | 35 | 510 | 590 | 270 |
| SV19-15 | 7/13/2021 | < 5.5 | 46 | 5.2 | 10 | 7.8 | 8.1 | <7.1 | < 6.9 | 15 | 28 | 1500 | 2500 | 530 |
| Notes: | | • | | | | • | | | | • | | | | |

Notes:

mg/kg = milligram per kilogram

As = arsenic, Ba = barium, Co = cobalt, Cr = trivalent chromium, Cu = copper, Ni = nickel, Pb = lead, Se = selenium, V = vanadium, Zn = zinc

 $\langle x \rangle = \text{concentration is less than the Reporting Limit}(x), i.e., not detected (ND)$

SV1-5 = Soil Boring1, 5-feet below ground surface (bgs)

BOLD = value exceeds the DTSC or USEPA screening level

Analytical results are included as Appendix A

Soil was collected from 5-feet, 10-feet bgs and 15-feet bgs from the same boring.

Only detected concentrations of metals are presented in this table. All other metals were ND.

ESL Tier 1 = San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels 2019 (Rev. 2)

RSLr = USEPA Regional Screening Level for residential soils, RSLi = USEPA Regional Screening Levels for industrial soils (May 2021)

DTSC SLr = CalEPA DTSC Screening Level for residential soils, DTSC SLi = CalEPA DTSC Screening Level for industrial soils (June 2020)

carcinogenic values were preferentially used for all screening levels, except nickel and TPH

DTSC SL C17-C32, aromatic high and USEPA aromatic high values were used for C23-C40

DTSC SL C9-C16, aromatic medium and USEPA aromatic medium values were used for C13-C22

Mearns Consulting LLC August 11, 2021

Table 2 - Background Metals Analytical Results in Soil Matrix

| SAMPLE | DATE | As | Ba | Co | Cr | Cu | Ni | Pb | Se | V | Zn |
|------------|----------|-------|---------|-------|-----------|--------|--------|-------|-------|-------|---------|
| ID | SAMPLED | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg |
| RSLr | | 0.68 | 15,000 | 23 | 120,000 | 3,100 | | 400 | 390 | 390 | 23,000 |
| DTSC-SLr | | 0.11 | | | 36,000 | | 820 | 80 | | 390 | |
| RSLi | | 3 | 220,000 | 350 | 1,800,000 | 47,000 | | 800 | 5,800 | 5,800 | 350,000 |
| DTSC-SLi | | 0.36 | | | 170,000 | | 11,000 | 320 | | 1,000 | |
| ESL Tier 1 | | 0.067 | 390 | 23 | 120,000 | 180 | 86 | 32 | 2.4 | 18 | 340 |
| Offsite-1 | 4/4/2005 | 5.2 | 97 | 8.1 | 21 | 25 | 12 | 12 | <1.9 | 35 | 62 |
| Offsite-5 | 4/4/2005 | 12 | 160 | 17 | 50 | 64 | 30 | 8.1 | <1.9 | 75 | 99 |
| Offsite-10 | 4/4/2005 | 12 | 170 | 14 | 32 | 35 | 22 | 5.6 | <1.9 | 58 | 67 |
| Offsite-20 | 4/4/2005 | 14 | 73 | 17 | 35 | 80 | 22 | 10 | <1.9 | 67 | 95 |
| SB1-5 | 7/6/2021 | < 5.5 | 84 | 11 | 36 | 40 | 21 | 8.8 | < 6.9 | 46 | 54 |
| SB2-5 | 7/6/2021 | < 5.5 | 69 | 9.3 | 21 | 26 | 15 | <7.1 | < 6.9 | 36 | 39 |
| SB3-5 | 7/6/2021 | <5.5 | 48 | 4.6 | 9 | 16 | 6.2 | <7.1 | < 6.9 | 16 | 29 |
| SB4-5 | 7/6/2021 | < 5.5 | 170 | 14 | 42 | 45 | 26 | 9.5 | < 6.9 | 58 | 74 |
| SB5-5 | 7/6/2021 | < 5.5 | 97 | 16 | 30 | 40 | 27 | 8.5 | < 6.9 | 52 | 56 |
| SB6-5 | 7/6/2021 | < 5.5 | 130 | 22 | 42 | 46 | 33 | 11 | < 6.9 | 71 | 85 |
| SB7-5 | 7/6/2021 | < 5.5 | 80 | 12 | 24 | 26 | 19 | <7.1 | < 6.9 | 43 | 47 |
| SB8-5 | 7/6/2021 | < 5.5 | 180 | 17 | 38 | 37 | 32 | 11 | < 6.9 | 68 | 51 |
| SB9-5 | 7/6/2021 | <5.5 | 87 | 14 | 30 | 28 | 24 | 9 | < 6.9 | 54 | 38 |
| SB10-5 | 7/6/2021 | < 5.5 | 98 | 13 | 27 | 30 | 23 | 7.5 | < 6.9 | 51 | 39 |
| SB11-5 | 7/6/2021 | < 5.5 | 120 | 9.8 | 22 | 14 | 16 | <7.1 | < 6.9 | 39 | 31 |

Notes:

mg/kg = milligram per kilogram

As = arsenic, Ba = barium, Co = cobalt, Cr = trivalent chromium, Cu = copper, Ni = nickel, Pb = lead, Se = selenium, V = vanadium, Zn = zinc $\langle x \rangle$ = concentration is less than the Reporting Limit $\langle x \rangle$, i.e., not detected (ND)

SB1-5 = Soil Boring1, 5-feet below ground surface (bgs)

Analytical results are included as Appendix B

ESL Tier 1 = San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels 2019 (Rev. 2)

RSLr = USEPA Regional Screening Level for residential soils, RSLi = USEPA Regional Screening Levels for industrial soils (May 2021)

DTSC SLr = CalEPA DTSC Screening Level for residential soils, DTSC SLi = CalEPA DTSC Screening Level for industrial soils (June 2020) carcinogenic values were preferentially used for all screening levels, except nickel

Table 3 - VOCs Analytical Results in Soil Matrix

| | | | | | | | | 1 | | | | |
|--------------------|------------------------|----------|----------------|------------------|-------------------|----------------|------------------|-------------------------|-------------|-----------------|------------|----------------------|
| | | | | | | | | Methyl tert-butyl ether | | | | |
| | | | | <u> </u> | ne | | ne | yl e | | ə | | |
| | | | n-Butylbenzene | sec-Butylbenzene | tert-Butylbenzene | ۵. | Isopropylbenzene | out | | n-Propylbenzene | | |
| | | | nze | oen | рег | Ethylbenzene | per | £ | Naphthalene | en | <u>ə</u> | |
| | | e | lbe | Ę. | ıty | enz | pyl | l te | nale | y Je | /ler | ne |
| | | Benzene | uty | Bui | -Bu | al v | l lo | hy] | ht | rop | m,p-Xylene | o-Xylene |
| SAMPLE | DATE | 3en | -B | -59 | ert | [th | dos | /let | \ap | - <u>-</u> - | n,p | X |
| ID | SAMPLED | mg/kg | = mg/kg | ∞ mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg |
| RSLr | | 1.2 | 3,900 | 7,800 | 7,800 | 5.8 | 1,900 | 47 | 2 | 3,800 | 550 | 650 |
| DTSC-SLr | | 0.33 | 2,400 | 2,200 | 2,200 | | -,, | | 2 | -, | | |
| RSLi | | 5.1 | 58,000 | 120,000 | 120,000 | 25 | 9,900 | 210 | 8.6 | 24,000 | 2,400 | 2,800 |
| DTSC-SLi | | 1.4 | 18,000 | 12,000 | 12,000 | | , | | 6.5 | , | | , |
| ESL Tier 1 | | 0.025 | | | | 0.43 | | 0.028 | 0.042 | | 2.1 | 2.1 |
| SV1-5 | 7/12/2021 | < 0.0045 | < 0.0045 | < 0.0045 | < 0.0045 | < 0.0045 | < 0.0045 | < 0.0045 | < 0.0045 | < 0.0045 | < 0.0045 | < 0.0045 |
| SV1-10 | 7/12/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV1-15 | 7/12/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV2-5 | 7/12/2021 | < 0.0042 | < 0.0042 | < 0.0042 | < 0.0042 | < 0.0042 | | < 0.0042 | < 0.0042 | < 0.0042 | < 0.0042 | < 0.0042 |
| SV2-10 | 7/12/2021 | < 0.0039 | < 0.0039 | < 0.0039 | < 0.0039 | < 0.0039 | < 0.0039 | < 0.0039 | < 0.0039 | < 0.0039 | < 0.0039 | < 0.0039 |
| SV2-15 | 7/12/2021 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 |
| SV3-5 | 7/12/2021 | <0.0042 | <0.0042 | < 0.0042 | < 0.0042 | <0.0042 | < 0.0042 | <0.0042 | < 0.0042 | < 0.0042 | < 0.0042 | <0.0042 |
| SV3-10 | 7/12/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV3-15 SV4-5 | 7/12/2021 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 |
| SV4-3 SV4-10 | 7/12/2021 7/12/2021 | < 0.005 | < 0.005 | <0.005 | < 0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 |
| SV4-10 | 7/12/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV5-5 | 7/12/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV5-10 | 7/12/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV5-15 | 7/12/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV6-5 | 7/13/2021 | < 0.0058 | < 0.0058 | < 0.0058 | < 0.0058 | < 0.0058 | | < 0.0058 | < 0.0058 | < 0.0058 | < 0.0058 | < 0.0058 |
| SV6-10 | 7/13/2021 | < 0.0099 | < 0.0099 | < 0.0099 | < 0.0099 | < 0.0099 | < 0.0099 | < 0.0099 | < 0.0099 | < 0.0099 | < 0.0099 | < 0.0099 |
| SV6-15 | 7/13/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV7-5 | 7/13/2021 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 | < 0.006 |
| SV7-10 | 7/13/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV7-15 | 7/13/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV8-5 | 7/13/2021 | < 0.004 | < 0.004 | < 0.004 | < 0.004 | < 0.004 | < 0.004 | < 0.004 | < 0.004 | < 0.004 | < 0.004 | < 0.004 |
| SV8-10 | 7/13/2021 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 |
| SV8-15 | 7/13/2021 | <0.005 | <0.005 | <0.005 | < 0.005 | < 0.005 | <0.005 | <0.005 | < 0.005 | < 0.005 | <0.005 | <0.005 |
| SV9-5 | 7/13/2021 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | < 0.005 |
| SV9-10 SV9-15 | 7/13/2021 7/13/2021 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 | <0.005 |
| SV10-5 | 7/13/2021 | < 0.0056 | | | | | | < 0.0056 | | | | < 0.0056 |
| SV10-3 | 7/13/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | | < 0.005 | < 0.005 | < 0.005 | | < 0.005 |
| SV10-10 | 7/13/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV11-5 | 7/13/2021 | < 0.0056 | | < 0.0056 | | | < 0.0056 | | | < 0.0056 | | |
| SV11-10 | 7/13/2021 | < 0.0058 | < 0.0058 | < 0.0058 | < 0.0058 | | | < 0.0058 | < 0.0058 | < 0.0058 | < 0.0058 | < 0.0058 |
| SV11-15 | 7/13/2021 | < 0.0064 | < 0.0064 | < 0.0064 | < 0.0064 | | | < 0.0064 | < 0.0064 | | | < 0.0064 |
| SV12-5 | 7/13/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV12-10 | 7/13/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV12-15 | 7/13/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV13-5 | 7/13/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV13-10 | 7/13/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV13-15 | 7/13/2021 | <0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | <0.005 |
| SV14-5 | 7/13/2021 | <0.0056 | < 0.0056 | | < 0.0056 | <0.0056 | | <0.0056 | < 0.0056 | < 0.0056 | <0.0056 | < 0.0056 |
| SV14-10 | 7/13/2021 | <0.0059 | | <0.0059 | <0.0059 | 0.023 | <0.0059 | <0.0059 | | < 0.0059 | 0.11 | 0.043 |
| SV14-15 | 7/13/2021 | <0.0057 | <0.0057 | <0.0057 | <0.0057 | <0.0057 | <0.0057 | < 0.0057 | < 0.0057 | <0.0057 | <0.0057 | < 0.0057 |
| SV15-5 | 7/13/2021 | <0.0087 | <0.0087 | <0.0087 | < 0.0087 | < 0.0087 | < 0.0087 | < 0.0087 | < 0.0087 | < 0.0087 | <0.0087 | <0.0087 |
| SV15-10 SV15-15 | 7/13/2021 7/13/2021 | <0.006 | <0.006 | <0.006 | <0.006 | <0.006 | <0.006 | <0.006 | <0.006 | <0.006 | <0.006 | <0.006 |
| SV13-13 SV16-5 | 7/13/2021 | < 0.003 | < 0.003 | < 0.003 | < 0.003 | | | < 0.003 | | | | < 0.003 |
| S V 10-3 | 1/13/2021 | ~v.0004 | ~0.0004 | ~v.0004 | \v.0004 | <u>~0.0064</u> | <u>~0.0064</u> | \v.0004 | \v.0004 | <u>~0.0064</u> | \v.0004 | \u.\u\ 0. |

Table 3 - VOCs Analytical Results in Soil Matrix

| SAMPLE ID | DATE SAMPLED | Benzene | ଞ୍ଚ ନ୍ଧ n-Butylbenzene | ա ^{rg} sec-Butylbenzene ra | म हिंदिन-Butylbenzene हे | 교 역 Fthylbenzene | 프 전 Isopropylbenzene | 프 전 제 제 제 제 제 제 제 제 제 제 제 제 M ethyl tert-butyl ether | ա Թ Տո | ա Թ թեր n-Propylbenzene | ա ^{rg} m,p-Xylene ra | mg/sgn o-Xylene |
|--------------|-----------------|----------|------------------------------|---|--------------------------------|------------------------|----------------------------|---|--------------|-------------------------------|-------------------------------------|-----------------|
| RSLr | | 1.2 | 3,900 | 7,800 | 7,800 | 5.8 | 1,900 | 47 | 2 | 3,800 | 550 | 650 |
| DTSC-SLr | | 0.33 | 2,400 | 2,200 | 2,200 | | | | 2 | | | |
| RSLi | | 5.1 | 58,000 | 120,000 | 120,000 | 25 | 9,900 | 210 | 8.6 | 24,000 | 2,400 | 2,800 |
| DTSC-SLi | | 1.4 | 18,000 | 12,000 | 12,000 | | | | 6.5 | | | |
| ESL Tier 1 | | 0.025 | | | | 0.43 | | 0.028 | 0.042 | | 2.1 | 2.1 |
| SV16-10 | 7/13/2021 | < 0.0067 | < 0.0067 | < 0.0067 | < 0.0067 | < 0.0067 | < 0.0067 | < 0.0067 | < 0.0067 | < 0.0067 | < 0.0067 | < 0.0067 |
| SV16-15 | 7/13/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.014 | < 0.005 | < 0.005 | < 0.005 |
| SV17-5 | 7/13/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV17-10 | 7/13/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV17-15 | 7/13/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV18-5 | 7/13/2021 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 |
| SV18-10 | 7/13/2021 | 0.0081 | 0.0052 | 0.035 | 0.005 | 0.023 | 0.031 | < 0.005 | 0.036 | 0.035 | < 0.005 | < 0.005 |
| SV18-15 | 7/13/2021 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 | < 0.0044 |
| SV19-5 | 7/13/2021 | < 0.005 | 1 | < 0.005 | < 0.005 | < 0.005 | 3 | 1.2 | 7.7 | 5.7 | < 0.005 | < 0.005 |
| SV19-10 | 7/13/2021 | < 0.0069 | < 0.0069 | 0.068 | 0.012 | < 0.0069 | 1 | 14 | < 0.69 | 1.6 | 0.0075 | < 0.0069 |
| SV19-15 | 7/13/2021 | < 0.5 | 1.7 | < 0.5 | < 0.5 | < 0.5 | 1.7 | 12 | 13 | 4.1 | < 0.5 | < 0.5 |

Notes:

mg/kg = milligram per kilogram

< x = concentration is less than the Reporting Limit (x), i.e., not detected (ND)

SV1-5 = Soil Boring1, 5-feet below ground surface (bgs)

BOLD = value exceeds the DTSC or USEPA screening level

Analytical results are included as Appendix A

Soil was collected from 5-feet, 10-feet bgs and 15-feet bgs from the same boring.

Only detected concentrations of VOCs are presented in this table. All other VOCs were ND.

ESL Tier 1 = San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels 2019 (Rev. 2)

RSLr = USEPA Regional Screening Level for residential soils, RSLi = USEPA Regional Screening Levels for industrial soils (May 2021)

DTSC SLr = CalEPA DTSC Screening Level for residential soils, DTSC SLi = CalEPA DTSC Screening Level for industrial soils (June 2020)

carcinogenic values were preferentially used for all screening levels

Table 4 - SVOCs Analytical Results in Soil Matrix

| SAMPLE | DATE | Acenaphthene | Anthracene | Benzo (a) anthracene | 2,4-Dinitrophenol | Chrysene | 4,6-Dinitro-2-methylphenol | 2,4-Dinitrotoluene | 2,6-Dinitrotoluene | Fluorene | 2-Methylnaphthalene | Naphthalene | 4-Nitroaniline | N-Nitrosodi-n-propylamine | Phenanthrene - | Pyrene |
|----------------------------------|------------------------|--------------|-------------------|----------------------|-------------------|--------------|----------------------------|--------------------|--------------------|-----------------|---------------------|--------------|----------------|---------------------------|----------------|--------|
| ID DCL :: | SAMPLED | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg |
| RSL <i>r</i> DTSC-SL <i>r</i> | | 3,600 | 18,000 | 1.1 | 130 | 110 | 5.1 | 1.7 | 0.36 | 2,400 | 240 190 | 2 | 27 | 0.078 | | 1,800 |
| RSLi | | 45,000 | 17,000 230,000 | 21 | 1,600 | 2,100 | | 7.4 | 1.5 | 2,300 30,000 | 3,000 | 8.6 | 110 | 0.33 | | 23,000 |
| DTSC-SLi | | 23,000 | 130,000 | 12.0 | 1,100 | 1,300 | 42 | 4.7 | 0.99 | 17,000 | 1,300 | 6.5 | 74 | 0.21 | | 13,000 |
| ESL Tier 1 | | 12 | 1.9 | 0.63 | 3 | 1,500 | 12 | 0.023 | 0.77 | 6 | 0.88 | 0.042 | / ! | 0.21 | 7.8 | 45 |
| SV1-5 | 7/12/2021 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 |
| SV1-10 | 7/12/2021 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 |
| SV1-15 | 7/12/2021 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 |
| SV2-5 | 7/12/2021 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 |
| SV2-10 | 7/12/2021 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 |
| SV2-15 | 7/12/2021 | <0.33 | <0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | <0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | <0.33 |
| SV3-5 | 7/12/2021 | < 0.33 | <0.33 | < 0.33 | <0.33 | < 0.33 | < 0.33 | < 0.33 | <0.33 | < 0.33 | < 0.33 | <0.33 | <0.33 | < 0.33 | < 0.33 | <0.33 |
| SV3-10 SV3-15 | 7/12/2021 7/12/2021 | <0.33 | <0.33 | <0.33 | <0.33 | <0.33 | <0.33 | <0.33 | <0.33 | <0.33 | <0.33 | <0.33 | <0.33 | <0.33 | <0.33 | <0.33 |
| SV4-5 | 7/12/2021 | < 0.33 | <0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | <0.33 |
| SV4-10 | 7/12/2021 | < 0.33 | <0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 |
| SV4-15 | 7/12/2021 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 |
| SV5-5 | 7/12/2021 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 |
| SV5-10 | 7/12/2021 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 |
| SV5-15 | 7/12/2021 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 |
| SV6-5 | 7/13/2021 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 |
| SV6-10 | 7/13/2021 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 |
| SV6-15 | 7/13/2021 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 |
| SV7-5 | 7/13/2021 | <0.33 | <0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | <0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | <0.33 |
| SV7-10 | 7/13/2021 | <0.33 | <0.33 | < 0.33 | < 0.33 | < 0.33 | <0.33 | < 0.33 | < 0.33 | <0.33 | < 0.33 | <0.33 | < 0.33 | < 0.33 | < 0.33 | <0.33 |
| SV7-15 SV8-5 | 7/13/2021 7/13/2021 | < 0.33 | <0.33 | <0.33 | <0.33 | <0.33 | < 0.33 | <0.33 | <0.33 | <0.33 | <0.33 | < 0.33 | <0.33 | <0.33 | <0.33 | <0.33 |
| SV8-10 | 7/13/2021 | < 0.33 | <0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | <0.33 | < 0.33 | < 0.33 | <0.33 | < 0.33 | <0.33 |
| SV8-15 | 7/13/2021 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | <0.33 |
| SV9-5 | 7/13/2021 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 |
| SV9-10 | 7/13/2021 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | | | < 0.33 | < 0.33 | < 0.33 | | | | < 0.33 | < 0.33 |
| SV9-15 | 7/13/2021 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 |
| SV10-5 | 7/13/2021 | < 0.33 | < 0.33 | | | | < 0.33 | | < 0.33 | | | | < 0.33 | | | < 0.33 |
| SV10-10 | 7/13/2021 | < 0.33 | < 0.33 | | < 0.33 | | | | | | | | < 0.33 | | | |
| SV10-15 | 7/13/2021 | < 0.33 | < 0.33 | | < 0.33 | | | | | | | | < 0.33 | | | |
| SV11-5 | 7/13/2021 | <0.33 | <0.33 | | | | < 0.33 | | < 0.33 | | | | < 0.33 | | | |
| SV11-10 SV11-15 | 7/13/2021 7/13/2021 | <0.33 | <0.33 | | <0.33 | | <0.33 | | <0.33 | | | | <0.33 | | | |
| SV11-13 | 7/13/2021 | < 0.33 | <0.33 | | < 0.33 | | | | < 0.33 | | | | <0.33 | | | |
| SV12-3 | 7/13/2021 | < 0.33 | <0.33 | | < 0.33 | | | | | | | | < 0.33 | | | |
| SV12-15 | 7/13/2021 | < 0.33 | < 0.33 | | < 0.33 | | | | | | | | < 0.33 | | | |
| SV13-5 | 7/13/2021 | < 0.33 | < 0.33 | | < 0.33 | | | | | | | | < 0.33 | | | |
| SV13-10 | 7/13/2021 | < 0.33 | < 0.33 | | < 0.33 | | | | | | | | < 0.33 | | | |
| SV13-15 | 7/13/2021 | < 0.33 | < 0.33 | | < 0.33 | | | | | | | | < 0.33 | | | |
| SV14-5 | 7/13/2021 | < 0.33 | < 0.33 | | < 0.33 | | | | | | | | < 0.33 | | | |
| SV14-10 | 7/13/2021 | < 0.33 | < 0.33 | | < 0.33 | | | | | | | | < 0.33 | | | |
| SV14-15 | 7/13/2021 | <0.33 | <0.33 | | < 0.33 | | | | | | | | < 0.33 | | | |
| SV15-5 | 7/13/2021 | < 0.33 | <0.33 | | <0.33 | | | | < 0.33 | | | | < 0.33 | | | <0.33 |
| SV15-10 | 7/13/2021 | <0.33 | <0.33 | | <0.33 | | | | | | | | <0.33 | | | |
| SV15-15 | 7/13/2021 | < 0.33 | < 0.33 | \0.33 | < 0.33 | \U.33 | \U.33 | ~ 0.33 | \U.33 | < 0.33 | ~ 0.33 | \U.33 | < 0.33 | \0.33 | \U.33 | < 0.33 |

Table 4 - SVOCs Analytical Results in Soil Matrix

| SAMPLE ID | DATE SAMPLED | ង ខ្មុ ភ្ន | տ թ Anthracene | g Benzo (a) anthracene | ਭ ਲੂੰ 2,4-Dinitrophenol | m gg Chrysene ss | ਜੂ ਲੂੰ 4,6-Dinitro-2-methylphenol | គ្ន ភ្នំ 2,4-Dinitrotoluene | g g 2,6-Dinitrotoluene g | ա թ Fluorene ռ | ਭ ਲੂੰ 2-Methylnaphthalene ਲੂੰ | m % Naphthalene % | ធ្ន ក្នុ ភ្ន | | ធ្ន ក្ក ភ | ^{my/R} Pyrene |
|--------------|-----------------|------------------|----------------------|------------------------|----------------------------|------------------------|--------------------------------------|--------------------------------|--------------------------------|----------------------|-------------------------------------|-------------------------|--------------------|--------|-----------------|------------------------|
| RSLr | | 3,600 | 18,000 | 1.1 | 130 | 110 | 5.1 | 1.7 | 0.36 | 2,400 | 240 | 2 | 27 | 0.078 | | 1,800 |
| DTSC-SLr | | 3,300 | 17,000 | | | | | | | 2,300 | 190 | 2 | | | | |
| RSLi | | 45,000 | 230,000 | 21 | 1,600 | 2,100 | | 7.4 | 1.5 | 30,000 | 3,000 | 8.6 | 110 | 0.33 | | 23,000 |
| DTSC-SLi | | 23,000 | 130,000 | 12.0 | 1,100 | 1,300 | 42 | 4.7 | 0.99 | 17,000 | 1,300 | 6.5 | 74 | 0.21 | | 13,000 |
| ESL Tier 1 | | 12 | 1.9 | 0.63 | 3 | | | 0.023 | | 6 | 0.88 | 0.042 | | | 7.8 | 45 |
| SV16-5 | 7/13/2021 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 |
| SV16-10 | 7/13/2021 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 |
| SV16-15 | 7/13/2021 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 |
| SV17-5 | 7/13/2021 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 |
| SV17-10 | 7/13/2021 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 |
| SV17-15 | 7/13/2021 | < 0.33 | < 0.33 | < 0.33 | | < 0.33 | < 0.33 | < 0.33 | | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | | < 0.33 |
| SV18-5 | 7/13/2021 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 |
| SV18-10 | 7/13/2021 | < 0.33 | 0.82 | < 0.33 | 0.92 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | 2.2 | 0.44 | < 0.33 | < 0.33 | 0.77 | < 0.33 |
| SV18-15 | 7/13/2021 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 |
| SV19-5 | 7/13/2021 | < 0.33 | 2.1 | < 0.33 | < 0.33 | < 0.33 | 0.4 | 1.1 | 1.2 | 1.1 | 12 | 5.2 | 0.85 | 0.91 | 2 | 0.87 |
| SV19-10 | 7/13/2021 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 | < 0.33 |
| SV19-15 | 7/13/2021 | 1.6 | 1.1 | 1.3 | < 0.33 | 1.5 | < 0.33 | < 0.33 | < 0.33 | 3 | < 0.33 | 4 | < 0.33 | < 0.33 | 9.7 | 8.5 |

Notes:

mg/kg = milligram per kilogram

< x = concentration is less than the Reporting Limit, i.e., not detected (ND)

SV1-5 = Soil Boring1, 5-feet below ground surface (bgs)

BOLD = value exceeds the DTSC or USEPA screening level

Analytical results are included as Appendix A

Soil was collected from 5-feet, 10-feet bgs and 15-feet bgs from the same boring.

Only detected concentrations of SVOCs are presented in this table. All other SVOCs were ND.

ESL Tier 1 = San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels 2019 (Rev. 2)

RSLr = USEPA Regional Screening Level for residential soils, RSLi = USEPA Regional Screening Levels for industrial soils (May 2021)

DTSC SLr = CalEPA DTSC Screening Level for residential soils, DTSC SLi = CalEPA DTSC Screening Level for industrial soils (June 2020)

carcinogenic values were preferentially used for all screening levels

Table 5 - Soil Vapor Analytical Results

| SAMPLE ID | DATE SAMPLED | , Benzene 로, Benzene | ਸੂੰ ਸੂੰ n-Butylbenzene | 표 를 sec-Butylbenzene | ਜੂੰ cis-1,2-Dichloroethene | 로 Di-isopropylether | 를 Ethylbenzene | 편 를 Isopropylbenzene | 로 4-Isopropyltoluene | ਨੂੰ B. Methylene chloride | ỗ. 로. Methyl tert-butyl ether | R. Naphthalene | ក E n-Propylbenzene | 됹 로 Tetrachloroethene | 표 Je Toluene | F. m.p-Xylenes | ng o-Xylene | ਜੁ ਭੂੰ Gasoline Range Organics (GRO) |
|-----------------|------------------------|-------------------------|---------------------------|-------------------------|----------------------------|---------------------|----------------|-------------------------|----------------------|------------------------------|----------------------------------|----------------|------------------------|--------------------------|-----------------|----------------|-------------|---|
| RSLr | | 0.36 | 210 | 120 | 0.2 | 730 | 1.1 | 420 | | 100 | 11 | 0.83 | 1,000 | 11 | 5,200 | 100 | 100 | 31 |
| DTSC-SLr | | 0.097 | 210 | 420 | 8.3 | | | | | 1 | | | | 0.46 | 83 | | | |
| RSLi | | 1.6 | 000 | 1.000 | 2.5 | 2 100 | 4.9 | 1,800 | | 1,200 | 47 | 0.36 | 4,400 | 47 | 22,000 | 440 | 440 | 130 |
| DTSC-SLi | | 0.42 | 880 | 1,800 | 35 | 3,100 | 27 | | | 12 | 260 | 2.0 | | 2 | 350 | 2.500 | 2.500 | 2 200 |
| ESL Tier 1 | 5/05/0001 | 3.2 | 10 | 10 | 280 | 40 | 37 | 0 | 0 | 34 | 360 | 2.8 | 0 | 15 | 10,000 | 3,500 | 3,500 | 3,300 |
| SV1-5 | 7/27/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | <8 | <8 | <16 | <8 | <2,000 |
| SV1-15 | 7/27/2021 | 13 | <12 | <12 | <8 | <40 | <8 | 57 | 321 | 20 | <40 | <40 | <8 | <8 | 16 | <16 | <8 | 25,000 |
| SV2-5 | 7/27/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | <8 | <8 | <16 | <8 | <2,000 |
| SV2-15 | 7/27/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | 17 | <40 | <40 | <8 | <8 | <8 | <16 | <8 | <2,000 |
| SV2-15 REP | 7/27/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | 26 | <40 | <40 | <8 | <8 | <8 | <16 | <8 | <2,000 |
| SV3-5 | 7/27/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 18 | <8 | <16 | <8 | <2,000 |
| SV3-15 | 7/27/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | 8 | <40 | <40 | <8 | 17 | <8 | <16 | <8 | <2,000 |
| SV4-5 | 7/27/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 22 | <8 | <16 | <8 | <2,000 |
| SV4-15 | 7/27/2021 | <8 | <12 | <12 | <8 | <40 <40 | <8 | <8 | <8 | <8 | <40 <40 | <40 <40 | <8 | 12 | <8 | <16 | <8 | <2,000 |
| SV5-5 SV5-15 | 7/27/2021 7/27/2021 | <8 <8 | <12 <12 | <12 <12 | <8 <8 | <40 | <8 <8 | <8 <8 | <8 <8 | <8 9 | <40 | <40 | <8 | <8 <8 | <8 <8 | <16 | <8 | <2,000 <2,000 |
| SV6-5 | 7/27/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 <8 | 17 | <8 | <16 <16 | <8 <8 | <2,000 |
| SV6-15 | 7/27/2021 | 243 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 8 | <8 | <16 | <8 | 317,000 |
| SV7-5 | 7/27/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | <8 | <8 | <16 | <8 | <2,000 |
| SV7-15 | 7/27/2021 | 8,850 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | <8 | 4,210 | 799 | 441 | 46,300,000 |
| SV8-5 | 7/27/2021 | 20 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 23 | 15 | <16 | <8 | <2,000 |
| SV8-15 | 7/27/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | <8 | <8 | <16 | <8 | <2,000 |
| SV9-5 | 7/27/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | <8 | <8 | <16 | <8 | <2,000 |
| SV9-15 | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 34 | 13 | <16 | <8 | <2,000 |
| SV9-15 REP | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 34 | 14 | <16 | <8 | <2,000 |
| SV10-5 | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 9 | <8 | <16 | <8 | <2,000 |
| SV10-15 | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 8 | <8 | <16 | <8 | <2,000 |
| SV11-5 | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 24 | <8 | <16 | <8 | <2,000 |
| SV11-15 | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | <8 | <8 | <16 | <8 | <2,000 |
| SV12-5 | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 8 | <8 | <16 | <8 | <2,000 |
| SV12-15 | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 9 | <8 | <16 | <8 | <2,000 |

Table 5 - Soil Vapor Analytical Results

| SAMPLE ID | DATE SAMPLED | हैं. डे. Benzene | 편 je n-Butylbenzene | 를 sec-Butylbenzene | 長 cis-1,2-Dichloroethene | ਨੂੰ B. Di-isopropylether | ਨੂੰ ਭੂ. Ethylbenzene | हूँ । Sopropylbenzene | 표 로 4-Isopropyltoluene | 로 Methylene chloride | हु . हु .Methyl tert-butyl ether | ਨੂੰ B. Naphthalene | 表 B. n-Propylbenzene | 표 로 Tetrachloroethene | ਸ਼੍ਰੇ Journe Journe | ក g-m,p-Xylenes | g o-Xylene | 편 글 로 |
|--------------|-----------------|---------------------|------------------------|--------------------|--------------------------|-----------------------------|-------------------------|-----------------------------|---------------------------|----------------------|-------------------------------------|-----------------------|-------------------------|--------------------------|---------------------------|--------------------|------------|-------------|
| RSLr | | 0.36 | | | | 730 | 1.1 | 420 | | 100 | 11 | 0.83 | 1,000 | 11 | 5,200 | 100 | 100 | 31 |
| DTSC-SLr | | 0.097 | 210 | 420 | 8.3 | | | | | 1 | | | | 0.46 | 83 | | | |
| RSLi | | 1.6 | | | | | 4.9 | 1,800 | | 1,200 | 47 | 0.36 | 4,400 | 47 | 22,000 | 440 | 440 | 130 |
| DTSC-SLi | | 0.42 | 880 | 1,800 | 35 | 3,100 | | | | 12 | | | | 2 | 350 | | | |
| ESL Tier 1 | | 3.2 | | | 280 | | 37 | | | 34 | 360 | 2.8 | | 15 | 10,000 | 3,500 | 3,500 | 3,300 |
| SV13-5 | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 16 | <8 | <16 | <8 | <2,000 |
| SV13-5 REP | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 25 | <8 | <16 | <8 | <2,000 |
| SV13-15 | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | <8 | <8 | <16 | <8 | <2,000 |
| SV14-5 | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 10 | <8 | <16 | <8 | <2,000 |
| SV14-15 | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | <8 | <8 | <16 | <8 | <2,000 |
| SV15-5 | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 37 | <8 | <16 | <8 | <2,000 |
| SV15-15 | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 29 | <8 | <16 | <8 | <2,000 |
| SV16-5 | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 15 | <8 | <16 | <8 | <2,000 |
| SV16-15 | 7/28/2021 | 27 | <12 | <12 | 51 | <40 | 74 | <8 | 16 | <8 | <40 | 41 | <8 | 18 | 44 | 287 | 84 | 46,800 |
| SV17-5 | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 32 | <8 | <16 | <8 | <2,000 |
| SV17-15 | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 10 | <8 | <16 | <8 | <2,000 |
| SV18-5 | 7/28/2021 | <8 | <12 | <12 | <8 | <40 | <8 | <8 | <8 | <8 | <40 | <40 | <8 | 13 | <8 | <16 | <8 | <2,000 |
| SV18-15 | 7/28/2021 | 1,150 | <12 | <12 | <8 | 4,780 | 1,910 | 2,490 | <8 | <8 | 8,610 | 826 | 2,640 | <8 | <8 | 1,720 | <8 | 3,380,000 |
| SV19-5 | 7/28/2021 | 18 | 649 | 2,380 | <8 | <40 | 2,730 | 4,290 | 13 | <8 | 121,000* | 405 | 5,810 | 42 | 25 | <16 | <8 | 900,000 |

Notes: $\mu g/m^3 = 1$

 $\mu g/m^3 = micrograms per cubic meter$

< x = concentration is less than the Reporting Limit, i.e., not detected; **BOLD** exceeds the screening level

Blank cell screening threshold not available

Analytical results are included as Appendix C

Only detected concentrations of volatiles in the vapor phase are presented in this table

Soil vapor was collected from dual-nested soil vapor probes installed at 5-feet bgs and 15-feet bgs

ESL Tier 1 = San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels 2019 (Rev. 2)

RSLr = USEPA Regional Screening Level for residential air, RSLi = USEPA Regional Screening Levels for industrial air (May 2021)

DTSC SLr = CalEPA DTSC Screening Level for residential air, DTSC SLi = CalEPA DTSC Screening Level for industrial air (June 2020) carcinogenic values were preferentially used for all screening levels

* = dilution factor 1/3

Table 6 - Exposure Point Concentrations, Slope Factors and Reference Doses

| SOIL MATRIX ANALYTE | MAX mg/kg | 95UCL mg/kg | SFo | IUR | RfDo | RfCi |
|--------------------------------|--------------|-------------|----------------------|----------------------|---------------------------------|--------------------------------|
| C4-C12 | 2,600 | 199 | | | 4.0E-03 ^b | 3.0E+01 ^b |
| C13-C22 | 2,500 | 346.3 | | | 4.0E-03 ^b | 3.0E+00 ^b |
| C23-C40 | 2,200 | 246.7 | | | 4.0E-02 ^b | |
| benzene | 0.0081 | | 1.0E-01 ^a | 2.9E-05 ^a | 4.0E-03 ^a | 3.0E+00 ^a |
| n-butylbenzene | 1.7 | | | | 5.0E-02 ^a | 2.0E+02 ^a |
| sec-butylbenzene | 0.068 | | | | 1.0E-01 ^a | 4.0E+02 ^a |
| tert-butylbenzene | 0.012 | | | | 1.0E-01 ^a | 4.0E+02 ^a |
| - | | | 1.1E-02 ^a | 2.5E-06 ^a | 1.0E-01 ^a | 1.0E+03 ^a |
| ethylbenzene | 0.023 | | 1.1L-02 | 2.3E-00 | 1.0E-01 1.0E-01 ^a | |
| isopropylbenzene | 3 | | 1 05 028 | 2 (5 0 7 8 | 1.0E-01 | 4.0E+02 ^a |
| methyl tert-butyl ether | 14 | | 1.8E-03 ^a | 2.6E-07 ^a | | 3.0E+03 ^a |
| naphthalene | 13 | | 1.2E-01 ^a | 3.4E-05 ^a | 2.0E-02 ^a | 3.0E+00 ^a |
| n-propylbenzene | 5.7 | | | | 1.0E-01 ^b | 1.0E+03 ^b |
| m,p-xylenes | 0.11 | | | | 2.0E-01 ^a | 1.0E+02 ^a |
| o-xylene | 0.43 | | | | 2.0E-01 ^a | 1.0E+02 ^a |
| acenaphthene | 1.6 | | | | 6.0E-02 ^a | 2.4E+02 ^a |
| anthracene | 2.1 | | | | 3.0E-01 ^a | 1.2E+03 ^a |
| benzo(a)anthracene | 1.3 | | 1.0E-01 ^a | 1.1E-04 ^a | | |
| 2,4-dinitrophenol | 0.92 | | | | 2.0E-03 ^a | |
| chrysene | 1.5 | | 1.0E-03 ^a | 1.1E-05 ^a | | |
| 4,6-dinitro-2-methylphenol | 0.4 | | | - | 8.0E-05 ^a | |
| 2,4-dinitrotoluene | 1.1 | | 3.1E-01 ^a | 8.9E-05 ^a | 2.0E-03 ^a | |
| 2,6-dinotrotoluene | 1.2 | | 1.5E+00 ^a | 0.712 03 | 3.0E-04 ^a | |
| fluorene | | | 1.31.00 | | 4.0E-02 ^a | 1.6E+02 ^a |
| | 3 12 | | | | 4.0E-02 4.0E-03 ^a | 1.0E+02 |
| 2-methylnaphthalene | | | 1.25.018 | 2.45.058 | | 2.05.008 |
| naphthalene | 5.2 | | 1.2E-01 ^a | 3.4E-05 ^a | 2.0E-02 ^a | 3.0E+00 ^a |
| 4-nitroaniline | 0.85 | | 2.0E-02 ^a | b | 4.0E-03 ^a | 6.0E+00 ^a |
| 4-nitrosodi-n-propylamine | 0.91 | | $7.0E+00^{b}$ | 2.0E-03 ^b | | |
| phenanthrene* | 9.7 | | | | | |
| pyrene | 8.5 | | | | 3.0E-02 ^a | 1.2E+02 ^a |
| selenium | 7.4 | | | | 5.0E-03 ^a | 2.0E+01 ^a |
| lead | 61 | 14.37 | LeadSpread | LeadSpread | LeadSpread | LeadSpread |
| SOIL VAPOR ANALYTE | | 95UCL μg/m3 | | EGI O MIDANG 11 | | EGY O MUDANG 11 |
| benzene n-butylbenzene** | 8,850 649 | 1,558 | | ESL & VURAM models | | ESL & VURAM models VURAM model |
| sec-butylbenzene** | 2,380 | | | | | VURAM model |
| cis-1,2-dichloroethene** | 51 | | | | | VURAM model |
| di-isopropylether** | 4,780 | | | | | VURAM model |
| ethylbenzene | 2,730 | 292.3 | | ESL & VURAM models | | ESL & VURAM models |
| isopropylbenzene** | 4,290 | 427.5 | | | | VURAM model |
| p-isopropyltoluene** | 321 | 32.1 | | | | VURAM model |
| methylene chloride | 26 | 10.06 | | ESL & VURAM models | | ESL & VURAM models |
| methyl tert-butyl ether | 121,000 | 21,698 | | ESL & VURAM models | | ESL & VURAM models |
| naphthalene | 826 | 112.5 | | ESL & VURAM models | | ESL & VURAM models |
| n-propylbenzene** | 5,810 | 1,179 | - | | - | VURAM model |
| tetrachloroethene | 42 | 17.88 | | ESL & VURAM models | | ESL & VURAM models |
| toluene | 4,210 | 814.4 | | | | ESL & VURAM models |
| m,p-xylenes | 1,720 | 180.1 | | | | ESL & VURAM models |
| o-xylene | 441 | 87.33 | | | | ESL & VURAM models |
| gasoline range organics Notes: | 46,300,000 | 8,550,284 | | | | ESL & VURAM models |

95UCL calculated using ProUCL version 5.1.02

EPCs are highlighted

SFo = Slope Factor, oral route of exposure (mg/kg-day)⁻¹

IUR = inhalation unit risk factor, inhalation route of exposure $(\mu g/m^3)^{\text{-}1}$

RfDo = Reference Dose, oral route of exposure (mg/kg-day)

RfCi = Reference Concentration, inhalation route of exposure ($\mu g/m^3$)

^aDTSC HERO Note 10 (February 2019), ^bUSEPA RSL tables (May 2021)

aromatic values were used for carbon chains (USEPA RSL May 2021)

^{**} chemical specific data unavailable in ESL model, therefore analyte was not quantitatively assessed using the ESL model naphthalene was detected as a VOC and SVOC in the soil matrix, the greatest detected concentration was used as the EPC *phenanthrene was not quantitatively assessed as toxicity criteria is unavailable

Table 7 - Exposure Parameters

| | | | Receptor Populati | ons | | | |
|--|----------|----------------------|------------------------|------------------------------|----------|------------------------|-----------|
| Exposure Parameter | Notation | Commercial Worker | Construction Worker | Residential User Adult Child | | Units | Reference |
| General Parameters | | | | | | | |
| Body Weight | BW | 80 | 80 | 80 | 15 | kg | DTSC |
| Exposure Duration | ED | 25 | 1 | 20 | 6 | years | DTSC |
| Exposure Frequency | EF | 250 | 250 | 350 | 350 | days/year | DTSC |
| Exposure Time | ET | 8 | 8 | 24 | 24 | hours/day | DTSC |
| | | | | | | | |
| | | | | | | | |
| Soil Ingestion Pathway | | | T | T | | | |
| Soil Ingestion Rate | IR | 100 | 330 | 100 | 200 | mg/day | DTSC |
| Averaging Time carcinogens 70dx365d/yr | Atc | 25550 | 25550 | 25550 | 25550 | days | DTSC |
| Averaging Time noncarcinogens EDx365d/yr | Atnc | 9125 | 365 | 7300 | 2190 | days | DTSC |
| Dermal Contact with Soil | | | | | | | |
| Skin Surface Area | SA | 6,032 | 6,032 | 6,032 | 2,900 | cm ² /event | ОЕННА |
| Soil-to-Skin Adherence factor | AF | 0.2 | 0.8 | 0.07 | 0.2 | mg/cm ² | ОЕННА |
| Fraction of Chemical Dermally Absorbed | ABS | chem specific | chem specific | ch sp | ch sp | unitless | DTSC |
| Averaging Time carcinogens 70dx365d/yr | Atc | 25550 | 25550 | 25550 | 25550 | days | DTSC |
| Averaging Time noncarcinogens EDx365d/yr | Atnc | 9125 | 365 | 7300 | 2190 | days | DTSC |
| Inhalation of Outdoor Air | | | | | | | |
| Particulate Emission Factor | PEF | 1.36E+09 | 1.00E+06 | 1.36E+09 | 1.36E+09 | m ³ /kg | DTSC |
| Exposure Time (site visit duration) | ET | 6 | 12 | 6 | 6 | hours/day | USEPA |
| Averaging Time carcinogens 70dx365d/yrx24hr/d | Atc | 613200 | 613200 | 613200 | 613200 | hours | DTSC |
| Averaging Time noncarcinogens EDx365d/yrx24h/d | Atnc | 219000 | 8760 | 175200 | 52560 | hours | DTSC |

Notes:

 $ABS = 0.1 \ for \ VOCs, \ 0.13 \ for \ naphthalene, \ 0.01 \ for \ most \ metals \ (DTSC \ June \ 2020; \ USEPA \ RSL \ May \ 2021)$

Table 8
Estimated Risks and Hazards - Residential

| ANALYTE | RISKo | RISKi | HAZARD ₀ | HAZARDi |
|------------------------------|----------|----------|---------------------|-----------|
| soil | | | Ì | |
| C4-C12 | | | 9.05E-01 | 4.67E-06 |
| C13-C22 | | | 1.58E+00 | 8.15E-05 |
| C23-C40 | | | 1.12E-01 | |
| benzene | 1.54E-09 | 1.54E-14 | 3.69E-05 | 1.905E-09 |
| n-butylbenzene | | | 6.19E-04 | 5.993E-09 |
| sec-butylbenzene | | | 1.24E-05 | 1.20E-10 |
| tert-butylbenzene | | | 2.18E-06 | 2.11E-11 |
| ethylbenzene | 4.81E-10 | 3.76E-15 | 4.19E-06 | 1.62E-11 |
| isopropylbenzene | | | 5.46E-04 | 5.30E-09 |
| methyl tert-butyl ether | 4.79E-08 | 2.38E-13 | | 3.29E-09 |
| naphthalene | 3.33E-06 | 2.89E-11 | 1.32E-02 | 3.06E-06 |
| n-propylbenzene | | | 1.04E-03 | 4.02E-09 |
| m,p-xylenes | | | 1.00E-05 | 7.76E-10 |
| o-xylene | | | 3.91E-05 | 3.03E-09 |
| acenaphthene | | | 5.20E-04 | 4.71E-09 |
| anthracene | | | 1.28E-04 | 1.23E-09 |
| benzo(a)anthracene | 2.77E-07 | 9.36E-12 | | |
| 2,4-dinitrophenol | | | 8.37E-03 | |
| chrysene | 3.20E-09 | 1.08E-12 | | |
| 4,6-dinitro-2-methylphenol | | | 9.10E-02 | |
| 2,4-dinitrotoluene | 6.48E-07 | 6.48E-07 | 1.00E-02 | |
| 2,6-dinotrotoluene | 3.42E-06 | | 7.28E-02 | |
| fluorene | | | 1.52E-03 | 1.32E-08 |
| 2-methylnaphthalene | | | 5.46E-02 | |
| 4-nitroaniline | 3.23E-08 | 1.19E-10 | 3.87E-03 | 9.99E-08 |
| 4-nitrosodi-n-propylamine | 1.21E-05 | | | |
| pyrene | | | 5.70E-03 | 4.99E-08 |
| selenium | | | 2.13E-02 | 2.61E-07 |
| soil vapor | | | | |
| benzene | | 4.80E-04 | | 1.50E+01 |
| ethylbenzene | | 7.30E-05 | | 7.90E-02 |
| methylene chloride | | 3.00E-07 | | 7.20E-04 |
| methyl tert-butyl ether | | 3.40E-04 | | 1.20E+00 |
| naphthalene | | 2.10E-03 | | 5.60E+01 |
| tetrachloroethene | | 1.20E-06 | | 1.30E-02 |
| toluene | | | | 7.80E-02 |
| xylenes | | | | 6.20E-01 |
| gasoline range organics | | | | 4.30E+02 |
| Sum | 1.99E-05 | 3.00E-03 | 2.88 | 503 |
| Total Risk = 3.02E-03 | | | | |
| Total Hazard = 506 | | | | |

Table 9
Estimated Risks and Hazards - Commercial

| ANALYTE | RISKo | RISKi | HAZARDo | HAZARDi |
|------------------------------|----------|----------|----------|----------|
| soil | | | | |
| C4-C12 | | | 9.40E-02 | 8.33E-07 |
| C13-C22 | | | 1.64E-01 | 1.46E-05 |
| C23-C40 | | | 1.17E-02 | |
| benzene | 5.47E-10 | 1.06E-14 | 3.83E-06 | 3.40E-10 |
| n-butylbenzene | | | 6.42E-05 | 1.07E-09 |
| sec-butylbenzene | | | 1.28E-06 | 2.14E-11 |
| tert-butylbenzene | | | 2.27E-07 | 3.78E-12 |
| ethylbenzene | 1.71E-10 | 2.58E-15 | 4.34E-07 | 2.89E-12 |
| isopropylbenzene | | | 5.67E-05 | 9.46E-10 |
| methyl tert-butyl ether | 1.70E-08 | 1.64E-13 | | 5.88E-10 |
| naphthalene | 1.34E-06 | 1.99E-11 | 1.56E-03 | 5.46E-07 |
| n-propylbenzene | | | 1.08E-04 | 7.17E-10 |
| m,p-xylenes | | | 1.04E-06 | 1.39E-10 |
| o-xylene | | | 4.06E-06 | 5.41E-10 |
| acenaphthene | | | 6.16E-05 | 8.42E-10 |
| anthracene | | | 1.52E-05 | 2.20E-10 |
| benzo(a)anthracene | 1.12E-07 | 6.43E-12 | | |
| 2,4-dinitrophenol | | | 8.69E-04 | |
| chrysene | 1.29E-09 | 7.42E-13 | | |
| 4,6-dinitro-2-methylphenol | | | 9.44E-03 | |
| 2,4-dinitrotoluene | 2.30E-07 | 4.40E-12 | 1.04E-03 | |
| 2,6-dinotrotoluene | 1.22E-06 | | 7.56E-03 | |
| fluorene | | | 1.80E-04 | 2.37E-09 |
| 2-methylnaphthalene | | | 5.67E-03 | |
| 4-nitroaniline | 1.15E-08 | 8.18E-11 | 4.01E-04 | 1.78E-08 |
| 4-nitrosodi-n-propylamine | 4.30E-06 | | | |
| pyrene | | | 6.75E-04 | 8.92E-09 |
| selenium | | | 1.42E-03 | 4.66E-08 |
| soil vapor | | | | |
| benzene | | 1.10E-04 | | 3.60E+00 |
| ethylbenzene | | 1.70E-05 | | 1.90E-02 |
| methylene chloride | | 2.50E-08 | | 1.70E-04 |
| methyl tert-butyl ether | | 7.70E-05 | | 2.80E-01 |
| naphthalene | | 4.80E-04 | | 1.30E+01 |
| tetrachloroethene | | 2.70E-07 | | 3.10E-03 |
| toluene | | | | 1.90E-02 |
| xylenes | | | | 1.50E-01 |
| gasoline range organics | | | | 1.00E+02 |
| Sum | 7.23E-06 | 6.84E-04 | 0.30 | 117 |
| Total Risk = 6.91E-04 | | | | |
| Total Hazard = 117 | | | | |

Table 10
Estimated Risks and Hazards - Construction Worker

| ANALYTE | RISKo | RISKi | HAZARDo | HAZARDi |
|----------------------------|--|----------|----------|----------|
| soil | | | | |
| C4-C12 | | | 4.85E-01 | 2.27E-03 |
| C13-C22 | | | 8.43E-01 | 3.95E-02 |
| C23-C40 | | | 6.01E-02 | |
| benzene | 8.02E-11 | 4.11E-12 | 1.97E-05 | 9.25E-07 |
| n-butylbenzene | | | 3.31E-04 | 2.91E-06 |
| sec-butylbenzene | | | 6.62E-06 | 5.82E-09 |
| tert-butylbenzene | | | 1.17E-06 | 1.03E-08 |
| ethylbenzene | 2.50E-11 | 3.06E-14 | 2.24E-06 | 7.88E-09 |
| isopropylbenzene | | | 2.92E-04 | 2.57E-06 |
| methyl tert-butyl ether | 2.49E-09 | 3.31E-16 | | 1.60E-06 |
| naphthalene | 2.01E-07 | 5.66E-12 | 8.21E-03 | 1.48E-03 |
| n-propylbenzene | | | 5.55E-04 | 1.95E-06 |
| m,p-xylenes | | | 5.36E-06 | 3.77E-07 |
| o-xylene | | | 2.09E-05 | 1.47E-06 |
| acenaphthene | | | 3.23E-04 | 2.28E-06 |
| anthracene | | | 7.96E-05 | 5.99E-07 |
| benzo(a)anthracene | 1.68E-08 | 5.92E-11 | | |
| 2,4-dinitrophenol | | | 4.48E-03 | |
| chrysene | 1.94E-10 | 5.92E-13 | | |
| 4,6-dinitro-2-methylphenol | | | 4.87E-02 | |
| 2,4-dinitrotoluene | 3.38E-08 | 3.88E-11 | 5.36E-03 | |
| 2,6-dinotrotoluene | 1.78E-07 | | 3.90E-02 | |
| fluorene | | | 9.47E-04 | 6.42E-06 |
| 2-methylnaphthalene | 1.605.00 | 1.065.00 | 2.92E-02 | 4.055.05 |
| 4-nitroaniline | 1.68E-09 | 1.96E-08 | 2.07E-03 | 4.85E-05 |
| 4-nitrosodi-n-propylamine | 6.31E-07 | | 2.545.02 | 2.425.05 |
| pyrene | | | 3.54E-03 | 2.43E-05 |
| selenium | | | 1.44E-02 | 1.27E-04 |
| soil vapor | | 1.78E-07 | | 2.08E-02 |
| di-isopropylether | | 1./6E-0/ | | 5.33E-03 |
| ethylbenzene | | 7.63E-08 | | 2.48E-04 |
| isopropylbenzene | | 7.03E-08 | | 3.40E-02 |
| isopropyltoluene | | | | 2.38E-03 |
| methylene chloride | | 1.64E-12 | | 1.15E-05 |
| methyl tert-butyl ether | | 3.87E-07 | | 4.30E-02 |
| naphthalene | | 2.77E-07 | | 1.99E-01 |
| n-propylbenzene | | 2.11L-01 | + | 4.17E-03 |
| tetrachloroethene | | 3.83E-11 | + | 2.69E-04 |
| toluene | | J.0JL 11 | + | 1.51E-04 |
| xylenes | | | + | 4.41E-03 |
| gasoline range organics | | | + | 3.73E+00 |
| Sum | 1.07E-06 | 9.38E-07 | 1.55 | 4 |
| Total Risk = 2.0E-06 | 1.0/L-00 | 7.50L-07 | 1.55 | т |
| Total Hazard = 6 | | | + | |
| Total Hazalu — V | | | 1 | |

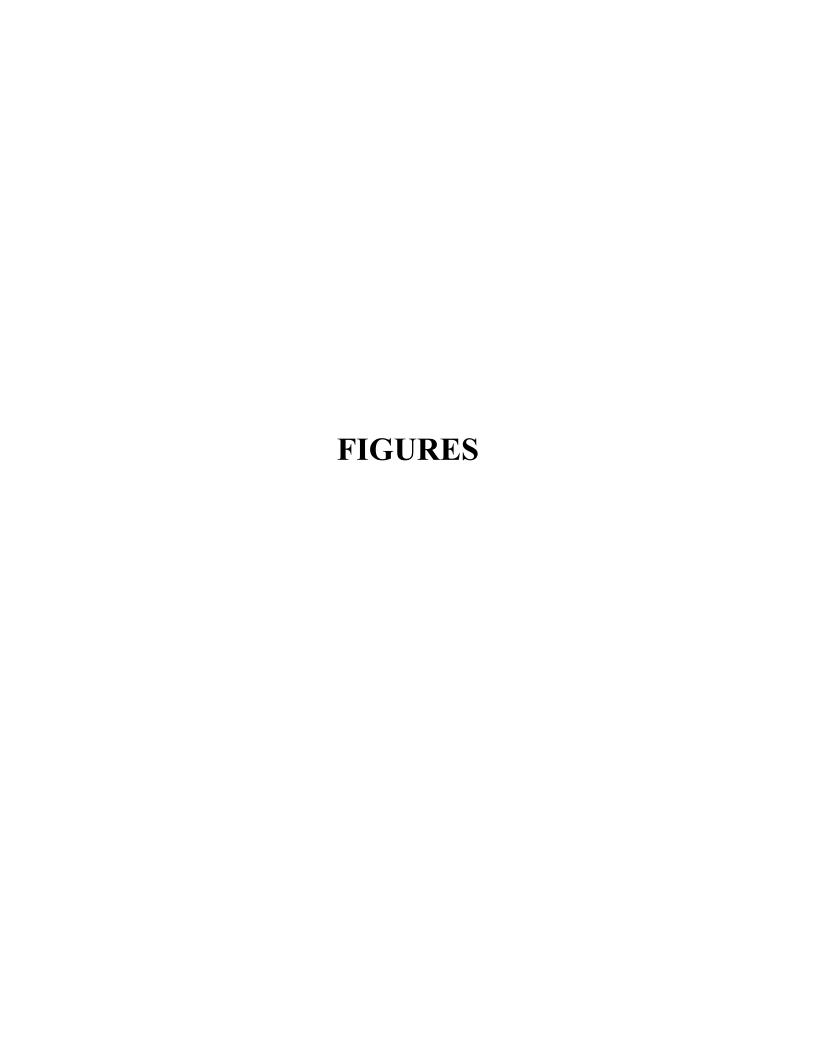
Table 11 Summary of Risks and Hazards

| | | Receptor Population | | | | | | | | |
|--------------|-------------|---------------------|------------|--|--|--|--|--|--|--|
| | Residential | Construction | Commercial | | | | | | | |
| ∑ Risk | 3.02E-03 | 2.00E-06 | 6.91E-04 | | | | | | | |
| Hazard Index | 506 | 6 | 117 | | | | | | | |

Notes:

ΣRisk = Estimated risks due to ingestion and dermal contact and inhalation of constituents in soil and soil vapor

Hazard Index = Estimated hazards due to ingestion and dermal contact and inhalation of constituents in soil and soil vapor





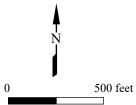


Figure 1: Site Location Map Town Center Northwest Signal Hill, CA

Mearns Consulting LLC

Base map: Google Earth 2020



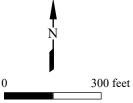
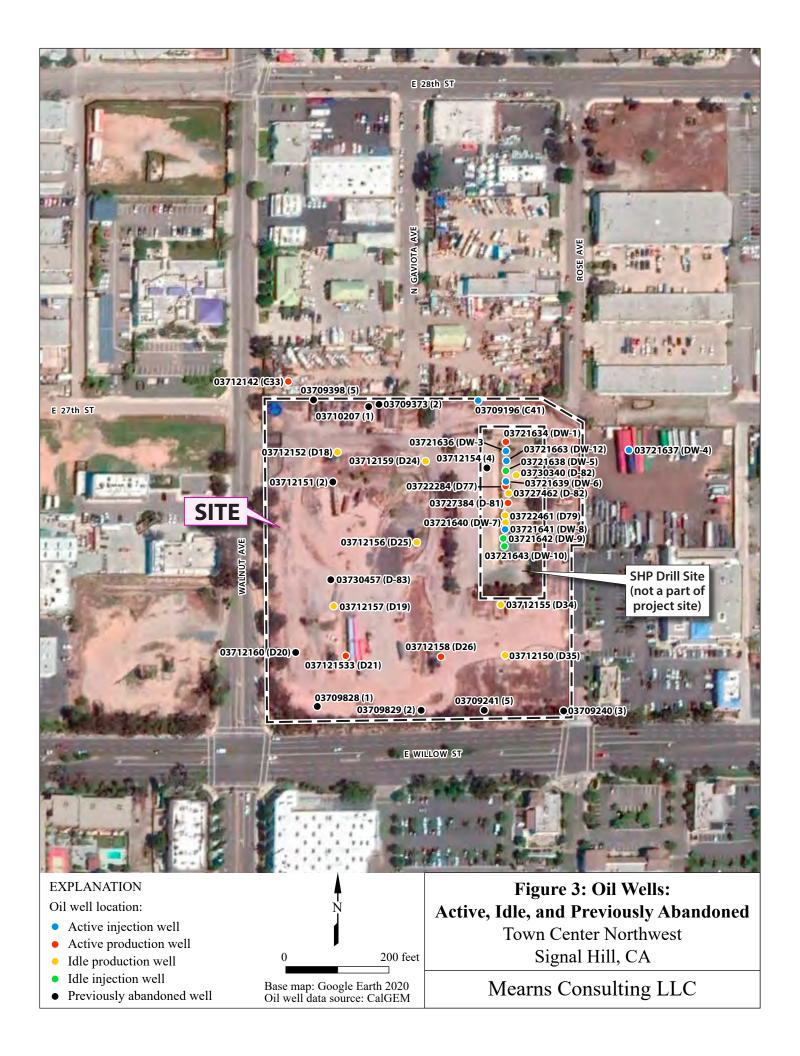
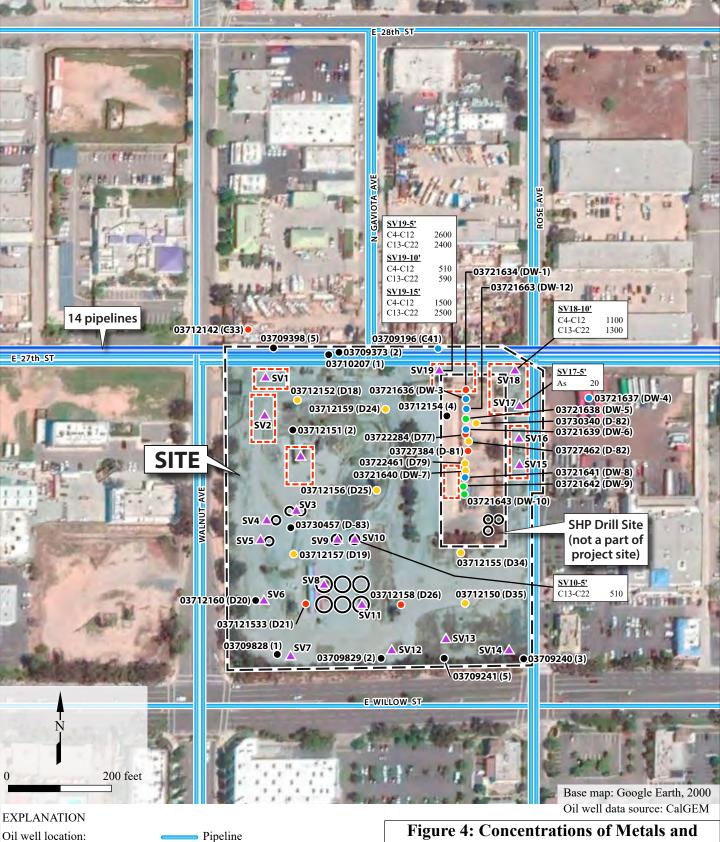


Figure 2: Site MapTown Center Northwest
Signal Hill, CA

Mearns Consulting LLC

Base map: Google Earth 2020





- Active injection well
- Active production well
- Idle production well
- Idle injection well
- Previously abandoned well

Above ground storage tank

Potential sump

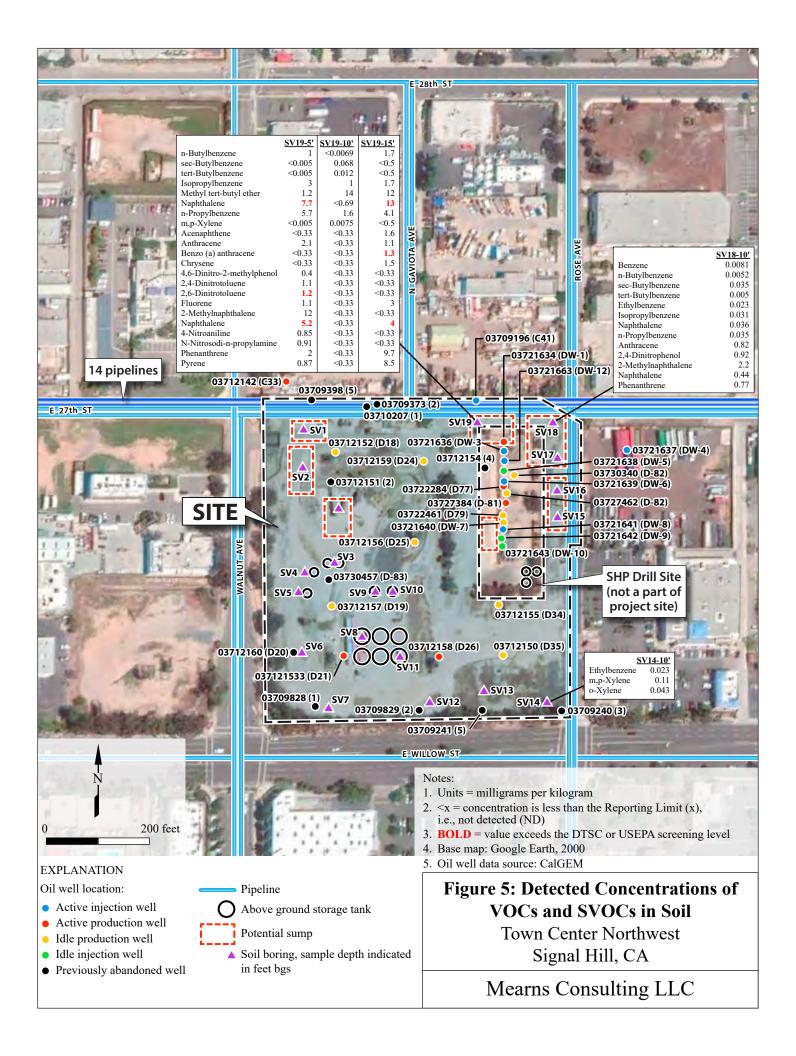
▲ Soil boring, sample depth indicated in feet bgs, sample concentrations in milligrams per kilogram,

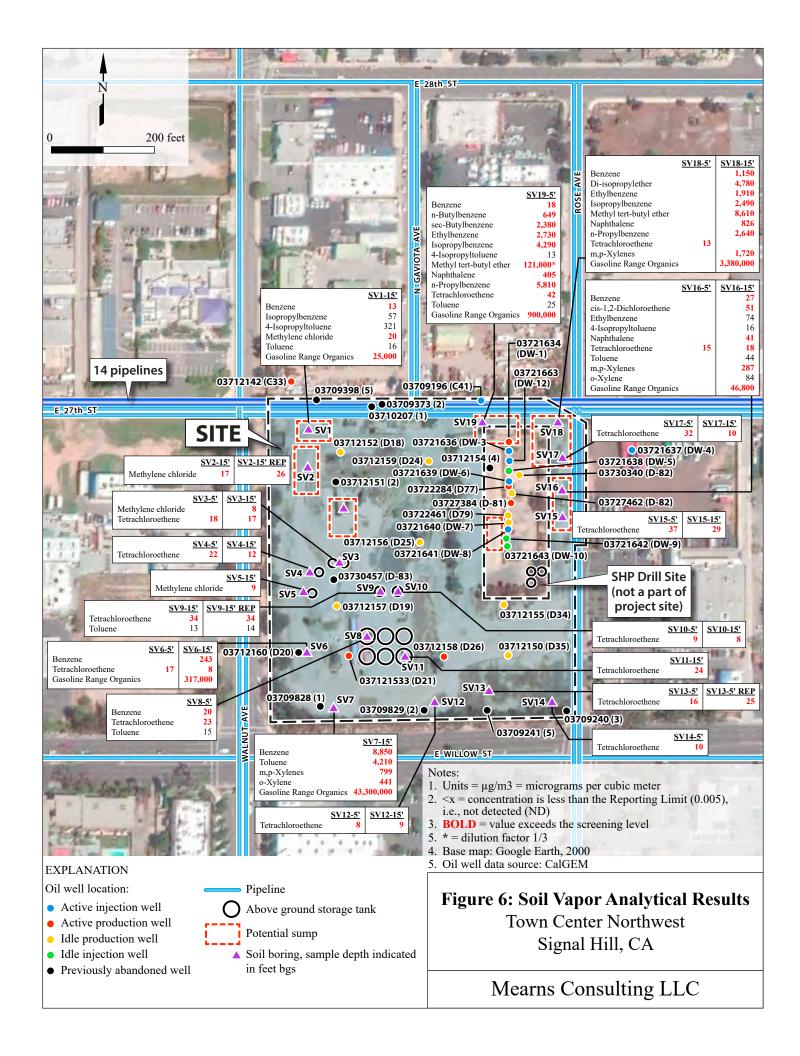
As = arsenic

Figure 4: Concentrations of Metals and Carbon Chains That Exceed Screening Thresholds

Town Center Northwest Signal Hill, CA

Mearns Consulting LLC





Potential Receptors Ecological Receptors Construction and Excavation Occupational Residential **Primary Primary** Release Secondary **Transport Exposure Exposure Routes Sources** Mechanisms **Sources** Mechanisms Media Outdoor air Inhalation Volatilization and migration in soil gas Inhalation Indoor air Surface soils Ingestion • Oil field • Historic above Contact Soil Dermal contact ground storage tanks Disposal • Inoperable and practices operating pipelines Inhalation leaking • Previously particulates abandoned oil wells • Historic sumps Outdoor air Inhalation Volatilization and Subsurface migration in soil soils gas Indoor air Inhalation Figure 7: Conceptual Site Model Town Center Northwest Signal Hill, CA Mearns Consulting LLC

APPENDIX A

Sierra Analytical Labs, Inc. July 12 and 13, 2021 Soil Matrix Data



19 July 2021

Susan Mearns Mearns Consulting LLC 738 Ashland Avenue Santa Monica, CA 90405

RE:Town Center Northwest

Work Order No.: 2107160

Attached are the results of the analyses for samples received by the laboratory on 07/12/21 15:44.

The samples were received by Sierra Analytical Labs, Inc. with a chain of custody record attached or completed at the submittal of the samples.

The analyses were performed according to the prescribed method as outlined by EPA, Standard Methods, and A.S.T.M.

The remaining portions of the samples will be disposed of within 30 days from the date of this report. If you require any additional retaining time, please advise us.

Sincerely,

Kuhand T. Foryth

Laboratory Director

Sierra Analytical Labs, Inc. is certified by the California Department of Health Services (DOHS), Environmental Laboratory Accredidation Program (ELAP) No. 2320.



Mearns Consulting LLC 738 Ashland Avenue Santa Monica CA, 90405 Project: Town Center Northwest

Project Number: [none]
Project Manager: Susan Mearns

Reported: 07/19/21 09:26

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| SV1-5 | 2107160-01 | Soil | 07/12/21 08:54 | 07/12/21 15:44 |
| SV1-10 | 2107160-02 | Soil | 07/12/21 10:39 | 07/12/21 15:44 |
| SV1-15 | 2107160-03 | Soil | 07/12/21 10:43 | 07/12/21 15:44 |
| SV2-5 | 2107160-04 | Soil | 07/12/21 11:20 | 07/12/21 15:44 |
| SV2-10 | 2107160-05 | Soil | 07/12/21 11:23 | 07/12/21 15:44 |
| SV2-15 | 2107160-06 | Soil | 07/12/21 11:36 | 07/12/21 15:44 |
| SV3-5 | 2107160-07 | Soil | 07/12/21 12:35 | 07/12/21 15:44 |
| SV3-10 | 2107160-08 | Soil | 07/12/21 12:39 | 07/12/21 15:44 |
| SV3-15 | 2107160-09 | Soil | 07/12/21 12:44 | 07/12/21 15:44 |
| SV4-5 | 2107160-10 | Soil | 07/12/21 13:09 | 07/12/21 15:44 |
| SV4-10 | 2107160-11 | Soil | 07/12/21 13:18 | 07/12/21 15:44 |
| SV4-15 | 2107160-12 | Soil | 07/12/21 13:21 | 07/12/21 15:44 |
| SV5-5 | 2107160-13 | Soil | 07/12/21 13:50 | 07/12/21 15:44 |
| SV5-10 | 2107160-14 | Soil | 07/12/21 14:02 | 07/12/21 15:44 |
| SV5-15 | 2107160-15 | Soil | 07/12/21 14:07 | 07/12/21 15:44 |



Santa Monica CA, 90405 Project Manager: Susan Mearns

Reported: 07/19/21 09:26

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| | | Reporting | ** . | | | | | | |
|--|--|--|---|---|-------------------------------|---------------------------------------|---------------------------------------|------------------------|------|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| SV1-5 (2107160-01) Soil Sample | led: 07/12/21 08:54 Received: 0 | 7/12/21 15:4 | 4 | | | | | | |
| Silver | ND | 2.0 | mg/kg | 1 | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Arsenic | ND | 5.5 | " | " | " | " | " | " | |
| Barium | 68 | 6.0 | " | " | " | " | " | " | |
| Beryllium | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | 5.4 | 3.3 | " | " | " | " | " | " | |
| Chromium | 9.8 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | ND | 0.10 | " | " | B1G1307 | 07/13/21 | 07/14/21 17:48 | EPA 7199A | |
| Copper | 8.8 | 5.0 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Mercury | ND | 0.90 | " | " | B1G1309 | 07/13/21 | 07/13/21 20:26 | EPA 7471A | |
| Molybdenum | ND | 5.2 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Nickel | 6.4 | 3.0 | " | " | " | " | " | " | |
| Lead | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | ND | 6.9 | " | " | " | " | " | " | |
| Гhallium | ND | 17 | " | " | " | " | " | " | |
| Vanadium | 15 | 5.1 | " | " | " | " | " | " | |
| Zinc | 27 | 7.0 | " | " | " | " | " | " | |
| SV1-10 (2107160-02) Soil Samp | pled: 07/12/21 10:39 Received: | 07/12/21 15: | 44 | | | | | | |
| Silver | ND | 2.0 | mg/kg | 1 | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Arsenic | ND | 5.5 | " | " | " | " | " | " | |
| Barium | 77 | 6.0 | " | " | " | " | " | " | |
| Beryllium | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | 7.1 | 3.3 | " | " | " | " | " | " | |
| Chromium | 21 | 2.3 | " | " | " | " | " | " | |
| | | - | | | D101207 | 07/13/21 | 07/14/21 17:48 | EPA 7199A | |
| Hexavalent Chromium | ND | 0.10 | " | " | B1G1307 | | | | |
| Hexavalent Chromium Copper | | | " | " | | | 07/14/21 17:06 | EPA 6010B | |
| Copper | 20 | 5.0 | | | B1G1308 | 07/13/21 | 07/14/21 17:06 07/13/21 20:26 | EPA 6010B EPA 7471A | |
| C opper Mercury | 20 ND | 5.0 0.81 | " | " | B1G1308 B1G1309 | 07/13/21 07/13/21 | 07/13/21 20:26 | EPA 7471A | |
| C opper Mercury Molybdenum | 20 ND ND | 5.0 0.81 5.2 | " | " | B1G1308 | 07/13/21 | | | |
| C opper Mercury Molybdenum Nickel | 20 ND ND 12 | 5.0 0.81 5.2 3.0 | " | " " | B1G1308 B1G1309 B1G1308 | 07/13/21 07/13/21 07/13/21 | 07/13/21 20:26 07/14/21 17:06 | EPA 7471A EPA 6010B | |
| C opper Mercury Molybdenum Nickel Lead | 20 ND ND 12 ND | 5.0 0.81 5.2 3.0 7.1 | " " | " " " | B1G1308 B1G1309 B1G1308 | 07/13/21 07/13/21 07/13/21 | 07/13/21 20:26 07/14/21 17:06 | EPA 7471A EPA 6010B | |
| C opper Mercury Molybdenum Nickel Lead Antimony | 20 ND ND 12 ND ND | 5.0 0.81 5.2 3.0 7.1 8.0 | " " " " | " " " | B1G1308 B1G1309 B1G1308 | 07/13/21 07/13/21 07/13/21 " | 07/13/21 20:26 07/14/21 17:06 | EPA 7471A EPA 6010B | |
| Copper Mercury Molybdenum Nickel Lead Antimony Selenium | 20 ND ND 12 ND ND ND | 5.0 0.81 5.2 3.0 7.1 8.0 6.9 | " | " | B1G1308 B1G1309 B1G1308 | 07/13/21 07/13/21 07/13/21 " | 07/13/21 20:26 07/14/21 17:06 | EPA 7471A EPA 6010B | |
| Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium Thallium Vanadium | 20 ND ND 12 ND ND | 5.0 0.81 5.2 3.0 7.1 8.0 | " | " | B1G1308 B1G1309 B1G1308 | 07/13/21 07/13/21 07/13/21 " | 07/13/21 20:26 07/14/21 17:06 " | EPA 7471A EPA 6010B | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/19/21 09:26

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| | | | | | 2405, 111 | | | | | |
|--------------------------|---------------------------|-------------|--------------------|-------|-----------|---------|----------|----------------|-----------|-------|
| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| SV1-15 (2107160-03) Soil | Sampled: 07/12/21 10:43 | Received: | 07/12/21 15: | 44 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 45 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | ND | 3.3 | " | " | " | " | " | " | |
| Chromium | | 7.0 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1307 | 07/13/21 | 07/14/21 17:48 | EPA 7199A | |
| Copper | | ND | 5.0 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1309 | 07/13/21 | 07/13/21 20:26 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Nickel | | 3.6 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | ,, | " | " | |
| Vanadium | | 6.6 | 5.1 | " | " | " | ,, | " | " | |
| Zinc | | 22 | 7.0 | " | " | " | " | " | " | |
| SV2-5 (2107160-04) Soil | Sampled: 07/12/21 11:20 F | Received: 0 | 7/12/21 15:4 | 4 | | | | | | |
| Silver | <u> </u> | ND | 2.0 | mg/kg | 1 | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Arsenic | | ND | 5.5 | mg kg | " | " | " | " | " | |
| Barium | | 74 | 6.0 | ,, | ,, | ,, | ,, | " | " | |
| Beryllium | | ND | 2.2 | ,, | ,, | ,, | ,, | " | " | |
| Cadmium | | ND | 2.5 | ,, | ,, | ,, | ,, | " | " | |
| Cobalt | | 5.5 | 3.3 | ,, | " | " | ,, | " | ,, | |
| Chromium | | 3.3 11 | 2.3 | ,, | ,, | " | ,, | " | ,, | |
| Hexavalent Chromium | | ND | 0.10 | ,, | " | B1G1307 | 07/13/21 | 07/14/21 17:48 | EPA 7199A | |
| | | 13 | 5.0 | ,, | ,, | | | | | |
| Copper | | ND | 0.90 | ,, | ,, | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Mercury | | | | ,, | ,, | B1G1309 | 07/13/21 | 07/13/21 20:26 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | ,, | ,, | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Nickel | | 6.2 | 3.0 | ., | " | ,, | , | ", | " | |
| Lead | | ND | 7.1 | | " | " | " | " | " | |
| Antimony | | ND | 8.0 | | | | | | | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 13 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 28 | 7.0 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/19/21 09:26

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|-------------------------|---|---|---|---|---|--|--|--|------|
| SV2-10 (2107160-05) Soil | Sampled: 07/12/21 11:23 | Received | : 07/12/21 15:4 | 44 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 82 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 9.3 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 18 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1307 | 07/13/21 | 07/14/21 17:48 | EPA 7199A | |
| Copper | | 18 | 5.0 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1309 | 07/13/21 | 07/13/21 20:26 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Nickel | | 12 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 31 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 36 | 7.0 | " | " | " | " | " | " | |
| SV2-15 (2107160-06) Soil | Sampled: 07/12/21 11:36 | Received | : 07/12/21 15:4 | 44 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | | | | | | |
| Barium | | | 5.5 | " | " | " | " | " | " | |
| | | 81 | 6.0 | " | " | " | " | " | " | |
| | | 81 ND | | | | | | | | |
| Beryllium | | | 6.0 | " | " | " | " | " | " | |
| Beryllium Cadmium | | ND | 6.0 2.2 | " | " | " | " | " | " | |
| Beryllium Cadmium Cobalt | | ND ND | 6.0 2.2 2.5 | " | " " | " | " | " " | " " | |
| Beryllium Cadmium Cobalt Chromium | | ND ND 6.6 | 6.0 2.2 2.5 3.3 | " " | " " | " " " | " " | " " " | " | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium | | ND ND 6.6 21 | 6.0 2.2 2.5 3.3 2.3 | " " " | " " " | " | " " " | " | " | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper | | ND ND 6.6 21 ND | 6.0 2.2 2.5 3.3 2.3 0.10 | " " " " | " | " " " B1G1307 | " " " 07/13/21 | " " " 07/14/21 17:48 | " " " EPA 7199A | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury | | ND ND 6.6 21 ND 14 | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 | n n n | " | " " " B1G1307 B1G1308 | """""""""""""""""""""""""""""""""""""" | " " " 07/14/21 17:48 07/14/21 17:06 | " " " EPA 7199A EPA 6010B | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum | | ND ND 6.6 21 ND 14 ND | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 | " | " | " " " B1G1307 B1G1308 B1G1309 | " " 07/13/21 07/13/21 07/13/21 | " " " 07/14/21 17:48 07/14/21 17:06 07/13/21 20:26 | " " " EPA 7199A EPA 6010B EPA 7471A | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel | | ND ND 6.6 21 ND 14 ND ND | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 | " | " | " " " B1G1307 B1G1308 B1G1309 B1G1308 | 07/13/21 07/13/21 07/13/21 07/13/21 | " " " 07/14/21 17:48 07/14/21 17:06 07/13/21 20:26 07/14/21 17:06 | " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead | | ND ND 6.6 21 ND 14 ND ND ND | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 | " " " " " " " " " " " " " " " " " " " | | " " " B1G1307 B1G1308 B1G1309 B1G1308 | 07/13/21 07/13/21 07/13/21 07/13/21 " | " " " 07/14/21 17:48 07/14/21 17:06 07/13/21 20:26 07/14/21 17:06 " | " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony | | ND ND 6.6 21 ND 14 ND ND ND 11 | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 | " " " " " " " " " " " " " " " " " " " | | " " " B1G1307 B1G1308 B1G1309 B1G1308 " | 07/13/21 07/13/21 07/13/21 07/13/21 " | 07/14/21 17:48 07/14/21 17:06 07/13/21 20:26 07/14/21 17:06 | EPA 7199A EPA 6010B EPA 6010B | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium Thallium | | ND ND 6.6 21 ND 14 ND ND 11 ND | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 | | | " " " B1G1307 B1G1308 B1G1309 B1G1308 " " | 07/13/21 07/13/21 07/13/21 07/13/21 " | 07/14/21 17:48 07/14/21 17:06 07/13/21 20:26 07/14/21 17:06 | EPA 7199A EPA 6010B EPA 6010B | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium | | ND ND 6.6 21 ND 14 ND ND 11 ND ND ND | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 6.9 | | | " " " B1G1307 B1G1308 B1G1309 B1G1308 " " | 07/13/21 07/13/21 07/13/21 07/13/21 "" | 07/14/21 17:48 07/14/21 17:06 07/13/21 20:26 07/14/21 17:06 | EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/19/21 09:26

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| | | Sicritaria | • | 2405, 111 | | | | | |
|-------------------------|------------------------------------|--------------------|-------|-----------|---------|----------|----------------|-----------|------|
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| SV3-5 (2107160-07) Soil | Sampled: 07/12/21 12:35 Received: | 07/12/21 15:4 | 4 | | | | | | |
| Silver | ND | 2.0 | mg/kg | 1 | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Arsenic | ND | 5.5 | " | " | " | " | " | " | |
| Barium | 67 | 6.0 | " | " | " | " | " | " | |
| Beryllium | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | 5.6 | 3.3 | " | " | " | " | " | " | |
| Chromium | 12 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | ND | 0.10 | " | " | B1G1307 | 07/13/21 | 07/14/21 17:48 | EPA 7199A | |
| Copper | 11 | 5.0 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Mercury | ND | 0.81 | " | " | B1G1309 | 07/13/21 | 07/13/21 20:26 | EPA 7471A | |
| Molybdenum | ND | 5.2 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Nickel | 4.3 | 3.0 | " | " | " | " | " | " | |
| Lead | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | ND | 17 | " | " | " | " | " | " | |
| Vanadium | 18 | 5.1 | " | " | " | " | " | " | |
| Zinc | 25 | 7.0 | " | " | " | " | " | " | |
| SV3-10 (2107160-08) Soi | l Sampled: 07/12/21 12:39 Received | : 07/12/21 15: | 44 | | | | | | |
| Silver | ND | 2.0 | mg/kg | 1 | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Arsenic | ND | 5.5 | " | " | " | " | " | " | |
| Barium | 50 | 6.0 | " | " | " | " | " | " | |
| Beryllium | ND | 2.2 | " | " | ,, | " | " | " | |
| Cadmium | ND | 2.5 | " | " | ,, | " | " | " | |
| Cobalt | 6.4 | 3.3 | " | " | ,, | " | " | " | |
| Chromium | 18 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | ND | 0.10 | " | " | B1G1307 | 07/13/21 | 07/14/21 17:48 | EPA 7199A | |
| Copper | 17 | 5.0 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Mercury | ND | 0.78 | " | " | B1G1309 | 07/13/21 | 07/13/21 20:26 | EPA 7471A | |
| Molybdenum | ND | 5.2 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Nickel | 9.5 | 3.0 | " | " | " | " | " | " | |
| Lead | ND | 7.1 | " | " | ,, | " | " | " | |
| Antimony | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | ND ND | 17 | ,, | ,, | ,, | ,, | " | " | |
| Vanadium | 31 | 5.1 | ,, | ,, | ,, | ,, | " | " | |
| Zinc | 34 | 7.0 | ,, | ,, | ,, | ,, | ,, | " | |
| Zanc | 34 | 7.0 | | | | | | | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/19/21 09:26

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---------------------------|--------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV3-15 (2107160-09) Soil | Sampled: 07/12/21 12:44 | Received | : 07/12/21 15:4 | 14 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 32 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 3.7 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 8.3 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1307 | 07/13/21 | 07/14/21 17:48 | EPA 7199A | |
| Copper | | 6.2 | 5.0 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1309 | 07/13/21 | 07/13/21 20:26 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Nickel | | 5.0 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 18 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 18 | 7.0 | " | " | " | " | " | " | |
| SV4-5 (2107160-10) Soil S | ampled: 07/12/21 13:09 F | Received: | 07/12/21 15:44 | 4 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 63 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 8.2 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 13 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1307 | 07/13/21 | 07/14/21 17:48 | EPA 7199A | |
| Copper | | 14 | 5.0 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1309 | 07/13/21 | 07/13/21 20:26 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Nickel | | 8.0 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 25 | 5.1 | " | " | " | " | " | " | |
| | | | | | | | | | | |



738 Ashland AvenueProject Number: [none]Reported:Santa Monica CA, 90405Project Manager: Susan Mearns07/19/21 09:26

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV4-10 (2107160-11) Soil | Sampled: 07/12/21 13:18 | Received | : 07/12/21 15:4 | 14 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 40 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 4.6 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 14 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1307 | 07/13/21 | 07/14/21 17:48 | EPA 7199A | |
| Copper | | 12 | 5.0 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1309 | 07/13/21 | 07/13/21 20:26 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Nickel | | 7.0 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 21 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 25 | 7.0 | " | " | " | " | " | " | |
| SV4-15 (2107160-12) Soil | Sampled: 07/12/21 13:21 | Received | : 07/12/21 15:4 | 44 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 26 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 3.7 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 8.1 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1307 | 07/13/21 | 07/14/21 17:48 | EPA 7199A | |
| Copper | | 6.8 | 5.0 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1309 | 07/13/21 | 07/13/21 20:26 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Nickel | | 5.7 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| | | | | | | | | | | |
| Vanadium | | 14 | 5.1 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--------------------------|-----------------------------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV5-5 (2107160-13) Soil | Sampled: 07/12/21 13:50 Received: | 07/12/21 15:4 | 4 | | | | | | |
| Silver | ND | 2.0 | mg/kg | 1 | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Arsenic | ND | 5.5 | " | " | " | " | " | " | |
| Barium | 82 | 6.0 | " | " | " | " | " | " | |
| Beryllium | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | 8.1 | 3.3 | " | " | " | " | " | " | |
| Chromium | 18 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | ND | 0.10 | " | " | B1G1307 | 07/13/21 | 07/14/21 17:48 | EPA 7199A | |
| Copper | 17 | 5.0 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Mercury | ND | 0.90 | " | " | B1G1309 | 07/13/21 | 07/13/21 20:26 | EPA 7471A | |
| Molybdenum | ND | 5.2 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Nickel | 10 | 3.0 | " | " | " | " | " | " | |
| Lead | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | ND | 17 | " | " | " | ,, | " | " | |
| Vanadium | 34 | 5.1 | " | " | " | ,, | " | " | |
| Zinc | 34 | 7.0 | " | " | " | " | " | " | |
| SV5-10 (2107160-14) Soil | Sampled: 07/12/21 14:02 Received | : 07/12/21 15: | 44 | | | | | | |
| Silver | ND | 2.0 | mg/kg | 1 | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Arsenic | ND | 5.5 | " | " | " | " | " | " | |
| Barium | 47 | 6.0 | " | " | " | " | " | " | |
| Beryllium | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | 5.1 | 3.3 | " | " | " | " | " | " | |
| Chromium | 12 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | ND | 0.10 | " | " | B1G1307 | 07/13/21 | 07/14/21 17:48 | EPA 7199A | |
| Copper | 11 | 5.0 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Mercury | ND | 0.90 | " | " | B1G1309 | 07/13/21 | 07/13/21 20:26 | EPA 7471A | |
| Molybdenum | ND | 5.2 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Nickel | 7.8 | 3.0 | " | " | B1G1500 | " | " | " | |
| Lead | ND | 7.1 | " | " | " | ,, | " | " | |
| Antimony | ND | 8.0 | " | " | ,, | ,, | " | " | |
| Selenium | ND ND | 6.9 | ,, | " | " | ,, | " | " | |
| Thallium | ND ND | 17 | ,, | " | " | ,, | " | " | |
| Vanadium | 21 | 5.1 | ,, | ,, | ,, | ,, | ,, | , | |
| Zinc | 24 | 7.0 | ,, | ,, | ,, | ,, | " | , | |
| Zilic | 24 | 7.0 | | | | | | | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV5-15 (2107160-15) Soil | Sampled: 07/12/21 14:07 | Received | : 07/12/21 15: | 44 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 61 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 6.1 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 14 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1307 | 07/13/21 | 07/14/21 17:48 | EPA 7199A | |
| Copper | | 15 | 5.0 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1309 | 07/13/21 | 07/13/21 20:26 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1308 | 07/13/21 | 07/14/21 17:06 | EPA 6010B | |
| Nickel | | 8.8 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 28 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 30 | 7.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|----------------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV1-5 (2107160-01) Soil Sampled: 07/12/2 | 21 08:54 Received: | 07/12/21 15:44 | l | | | | | | |
| Surrogate: o-Terphenyl | | 67.5 % | 60-17 | | B1G1401 | 07/14/21 | 07/14/21 12:21 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 96.4 % | 35-13 | | B1G1302 | 07/13/21 | 07/14/21 08:03 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV1-10 (2107160-02) Soil Sampled: 07/12 | /21 10:39 Received: | 07/12/21 15:4 | 14 | | | | | | |
| Surrogate: o-Terphenyl | | 91.5 % | 60-17 | '5 | B1G1401 | 07/14/21 | 07/14/21 12:21 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 98.5 % | 35-13 | | B1G1302 | 07/13/21 | 07/14/21 08:03 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV1-15 (2107160-03) Soil Sampled: 07/12 | /21 10:43 Received: | 07/12/21 15:4 | 14 | | | | | | |
| Surrogate: o-Terphenyl | | 66.4 % | 60-17 | 75 | B1G1401 | 07/14/21 | 07/14/21 12:21 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 92.0 % | 35-13 | 0 | B1G1302 | 07/13/21 | 07/14/21 08:03 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV2-5 (2107160-04) Soil Sampled: 07/12/2 | 21 11:20 Received: (| 07/12/21 15:44 | ļ | | | | | | |
| Surrogate: o-Terphenyl | | 69.9 % | 60-17 | 75 | B1G1401 | 07/14/21 | 07/14/21 12:21 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | 35 | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 91.9 % | 35-13 | | B1G1302 | 07/13/21 | 07/14/21 08:03 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.042 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV2-10 (2107160-05) Soil Sampled: 07/12/21 | 11:23 Received | : 07/12/21 15:4 | 14 | | | | | | |
| Surrogate: o-Terphenyl | | 91.3 % | 60-17 | 75 | B1G1401 | 07/14/21 | 07/14/21 12:21 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 98.5 % | 35-13 | 30 | B1G1302 | 07/13/21 | 07/14/21 08:03 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.045 | " | " | " | " | " | " | |
| SV2-15 (2107160-06) Soil Sampled: 07/12/21 | 11:36 Received | : 07/12/21 15:4 | 14 | | | | | | |
| Surrogate: o-Terphenyl | | 68.0 % | 60-17 | 75 | B1G1401 | 07/14/21 | 07/14/21 12:21 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 91.4 % | 35-13 | 30 | B1G1302 | 07/13/21 | 07/14/21 08:03 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV3-5 (2107160-07) Soil Sampled: 07/12/21 12 | 2:35 Received: | 07/12/21 15:44 | 1 | | | | | | |
| Surrogate: o-Terphenyl | | 73.0 % | 60-17 | 75 | B1G1401 | 07/14/21 | 07/14/21 12:21 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 93.7 % | 35-13 | 30 | B1G1302 | 07/13/21 | 07/14/21 08:03 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.042 | " | " | " | " | " | " | |
| SV3-10 (2107160-08) Soil Sampled: 07/12/21 | 12:39 Received | : 07/12/21 15:4 | 14 | | | | | | |
| Surrogate: o-Terphenyl | | 76.6 % | 60-17 | 75 | B1G1401 | 07/14/21 | 07/14/21 12:21 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 91.5 % | 35-13 | 30 | B1G1302 | 07/13/21 | 07/14/21 08:03 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV3-15 (2107160-09) Soil Sampled: 07/12/21 12 | 2:44 Received | : 07/12/21 15:4 | 4 | | | | | | |
| Surrogate: o-Terphenyl | | 77.7 % | 60-1 | | B1G1401 | 07/14/21 | 07/14/21 12:21 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 93.0 % | 35-1. | | B1G1302 | 07/13/21 | 07/14/21 08:03 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV4-5 (2107160-10) Soil Sampled: 07/12/21 13: | 09 Received: | 07/12/21 15:44 | ļ | | | | | | |
| Surrogate: o-Terphenyl | | 74.6 % | 60-1 | 75 | B1G1401 | 07/14/21 | 07/14/21 12:21 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 96.7 % | 35-1. | | B1G1302 | 07/13/21 | 07/14/21 08:03 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV4-10 (2107160-11) Soil Sampled: 07/12/21 13 | 3:18 Received | : 07/12/21 15:4 | 4 | | | | | | |
| Surrogate: o-Terphenyl | | 76.4 % | 60-1 | 75 | B1G1401 | 07/14/21 | 07/14/21 12:21 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 94.0 % | 35-1. | 30 | B1G1302 | 07/13/21 | 07/14/21 08:03 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV4-15 (2107160-12) Soil Sampled: 07/12/21 13 | 3:21 Received | : 07/12/21 15:4 | 4 | | | | | | |
| Surrogate: o-Terphenyl | | 65.2 % | 60-1 | 75 | B1G1401 | 07/14/21 | 07/14/21 12:21 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 84.3 % | 35-1. | | B1G1302 | 07/13/21 | 07/14/21 08:03 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|------------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV5-5 (2107160-13) Soil Sampled: 07/12/21 1 | 3:50 Received: 0 | 07/12/21 15:44 | 4 | | | | | | |
| Surrogate: o-Terphenyl | | 67.5 % | 60-1 | | B1G1401 | 07/14/21 | 07/14/21 12:21 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 95.6 % | 35-1 | 130 | B1G1302 | 07/13/21 | 07/14/21 08:03 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV5-10 (2107160-14) Soil Sampled: 07/12/21 | 14:02 Received: | 07/12/21 15:4 | 14 | | | | | | |
| Surrogate: o-Terphenyl | | 71.2 % | 60-1 | 175 | B1G1401 | 07/14/21 | 07/14/21 12:21 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 87.6 % | 35-1 | 130 | B1G1302 | 07/13/21 | 07/14/21 08:03 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV5-15 (2107160-15) Soil Sampled: 07/12/21 | 14:07 Received: | 07/12/21 15:4 | 14 | | | | | | |
| Surrogate: o-Terphenyl | | 73.6 % | 60-1 | 175 | B1G1401 | 07/14/21 | 07/14/21 12:21 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 87.4 % | 35-1 | 130 | B1G1302 | 07/13/21 | 07/14/21 08:03 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note: |
|---|-------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV1-5 (2107160-01) Soil Sampled: 07/12/21 08:54 | Received: 0 | 7/12/21 15:44 | | | | | | | |
| Surrogate: Dibromofluoromethane | | 112 % | 80-1 | 120 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 99.7 % | 81-1 | !17 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 95.8 % | 74-1 | 121 | " | " | " | " | |
| Benzene | ND | 4.5 | " | " | " | " | " | " | |
| Bromobenzene | ND | 4.5 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 4.5 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 4.5 | " | " | " | " | " | " | |
| Bromoform | ND | 4.5 | " | " | " | " | " | " | |
| Bromomethane | ND | 4.5 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 4.5 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 4.5 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 4.5 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 4.5 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 4.5 | " | " | " | " | " | " | |
| Chloroethane | ND | 4.5 | " | " | " | " | " | " | |
| Chloroform | ND | 4.5 | " | " | " | " | " | " | |
| Chloromethane | ND | 4.5 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 4.5 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 4.5 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 4.5 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 4.5 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 4.5 | " | " | " | " | " | " | |
| Dibromomethane | ND | 4.5 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 4.5 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 4.5 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 4.5 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 4.5 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 4.5 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 4.5 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 4.5 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 4.5 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 4.5 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 4.5 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 4.5 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 4.5 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 4.5 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 4.5 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 4.5 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 4.5 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 4.5 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 4.5 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|--------------------------|----------------|--------------------|-------------|----------|---------|----------|----------------|-----------|------|
| • | 0 1 1 0 2 11 2 2 2 2 2 2 | | | | Dilution | Baten | rrepared | Anaryzou | Method | 1100 |
| SV1-5 (2107160-01) Soil | Sampled: 07/12/21 08:54 | | | | | | | | | |
| p-Isopropyltoluene | | ND | 4.5 | $\mu g/kg$ | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Methylene chloride | | ND | 4.5 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 4.5 | " | " | " | " | " | " | |
| Naphthalene | | ND | 4.5 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 4.5 | " | " | " | " | " | " | |
| Styrene | | ND | 4.5 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 4.5 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 4.5 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 4.5 | " | " | " | " | " | " | |
| Toluene | | ND | 4.5 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 4.5 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 4.5 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 4.5 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 4.5 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 4.5 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 4.5 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 4.5 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 4.5 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 4.5 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 4.5 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 4.5 | " | " | " | " | " | " | |
| o-Xylene | | ND | 4.5 | " | " | " | " | " | " | |
| SV1-10 (2107160-02) Soil | Sampled: 07/12/21 10:39 | Received: | 07/12/21 15:4 | 14 | | | | | | |
| Surrogate: Dibromofluoron | nethane | | 114 % | 80- | -120 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Surrogate: Toluene-d8 | | | 99.4 % | 81- | -117 | " | " | " | " | |
| Surrogate: 4-Bromofluorob | enzene | | 95.0 % | 74- | -121 | " | " | " | " | |
| Benzene | | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| tout Dutylhoussons | | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| • | | | | " | ,, | " | " | " | " | |
| Carbon tetrachloride | | ND | 5.0 | | | | | | | |
| Carbon tetrachloride Chlorobenzene | | ND ND | 5.0 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene Carbon tetrachloride Chlorobenzene Chloroethane Chloroform | | ND ND ND | 5.0 5.0 5.0 | | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV1-10 (2107160-02) Soil Sampled: 07/12/21 10:39 | Received: | 07/12/21 15: | 44 | | | | | | |
| 2-Chlorotoluene | ND | 5.0 | μg/kg | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | " | ,, | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.0 | " | " | " | " | " | ,, | |
| Hexachlorobutadiene | ND | 5.0 | " | " | " | " | " | ,, | |
| Isopropylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 5.0 | | ,, | " | " | " | " | |
| Naphthalene | ND | 5.0 | | ,, | " | " | " | " | |
| n-Propylbenzene | ND | 5.0 | ,, | ,, | ,, | ,, | " | " | |
| Styrene | ND | 5.0 | ,, | ,, | ,, | ,, | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ,, | " | " | ,, | ,, | ,, | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ,, | " | " | ,, | ,, | ,, | |
| Tetrachloroethene | ND | 5.0 | ,, | " | " | ,, | ,, | ,, | |
| Toluene | ND | 5.0 | ,, | ,, | " | ,, | ,, | ,, | |
| 1,2,3-Trichlorobenzene | ND ND | 5.0 | ,, | ,, | ,, | ,, | ,, | " | |
| , , | | | ,, | ,, | , | " | ,, | ,, | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | | ,, | ,, | ,, | ,, | ,, | |
| 1,1,1-Trichloroethane | ND | 5.0 | ,, | ,, | ,, | ,, | ,, | " | |
| 1,1,2-Trichloroethane | ND | 5.0 | | | | | | " | |
| Trichloroethene | ND | 5.0 | | | | " | " | | |
| Trichlorofluoromethane | ND | 5.0 | | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV1-10 (2107160-02) Soil Sampled: 07/12/21 1 | 0:39 Received: | 07/12/21 15:4 | 44 | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | μg/kg | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| SV1-15 (2107160-03) Soil Sampled: 07/12/21 | 0:43 Received: | 07/12/21 15:4 | 44 | | | | | | |
| Surrogate: Dibromofluoromethane | | 115 % | 80- | 120 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 101 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 95.9 % | 74- | 121 | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | n . | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| > | 1.12 | | | | | | | | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV1-15 (2107160-03) Soil | Sampled: 07/12/21 10:43 | Received | : 07/12/21 15: | 44 | | | | | | |
| 2,2-Dichloropropane | | ND | 5.0 | μg/kg | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| 1,1-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | | ND | 5.0 | " | " | " | " | ,, | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|-----------|--------------------|--------|----------|---------|----------|----------------|-----------|-------|
| SV2-5 (2107160-04) Soil Sampled: 07/12/21 11:20 | Received: | 07/12/21 15:44 | | | | | | | |
| Surrogate: Dibromofluoromethane | | 113 % | 80-120 | | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 101 % | | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 95.8 % | | 121 | " | " | " | " | |
| Benzene | ND | 4.2 | " | " | " | " | " | " | |
| Bromobenzene | ND | 4.2 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 4.2 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 4.2 | " | " | " | " | " | " | |
| Bromoform | ND | 4.2 | " | " | " | " | " | " | |
| Bromomethane | ND | 4.2 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 4.2 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 4.2 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 4.2 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 4.2 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 4.2 | " | " | " | " | " | " | |
| Chloroethane | ND | 4.2 | " | " | " | " | " | " | |
| Chloroform | ND | 4.2 | " | " | " | " | " | " | |
| Chloromethane | ND | 4.2 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 4.2 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 4.2 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 4.2 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 4.2 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 4.2 | " | " | " | " | " | " | |
| Dibromomethane | ND | 4.2 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 4.2 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 4.2 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 4.2 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 4.2 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 4.2 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 4.2 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 4.2 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 4.2 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 4.2 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 4.2 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 4.2 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 4.2 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 4.2 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 4.2 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 4.2 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 4.2 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 4.2 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 4.2 | " | " | " | ,, | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|-------------------------|----------------|--------------------|------------|----------|---------|-----------|----------------|-----------|------|
| • | | | | | Diludill | Dateii | 1 repared | Allalyzeu | Meniod | 1101 |
| SV2-5 (2107160-04) Soil | Sampled: 07/12/21 11:20 | Received: 0 | 07/12/21 15:44 | | | | | | | |
| p-Isopropyltoluene | | ND | 4.2 | $\mu g/kg$ | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Methylene chloride | | ND | 4.2 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 4.2 | " | " | " | " | " | " | |
| Naphthalene | | ND | 4.2 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 4.2 | " | " | " | " | " | " | |
| Styrene | | ND | 4.2 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 4.2 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 4.2 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 4.2 | " | " | " | " | " | " | |
| Toluene | | ND | 4.2 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 4.2 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 4.2 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 4.2 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 4.2 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 4.2 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 4.2 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 4.2 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 4.2 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 4.2 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 4.2 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 4.2 | " | " | " | " | " | " | |
| o-Xylene | | ND | 4.2 | " | " | " | " | " | " | |
| SV2-10 (2107160-05) Soil | Sampled: 07/12/21 11:23 | Received: | 07/12/21 15:4 | 14 | | | | | | |
| Surrogate: Dibromofluorom | nethane | | 111 % | 80 | -120 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Surrogate: Toluene-d8 | | | 100 % | 81 | -117 | " | " | " | " | |
| Surrogate: 4-Bromofluorob | enzene | | 95.5 % | 74 | -121 | " | " | " | " | |
| Benzene | | ND | 3.9 | " | " | " | " | " | " | |
| Bromobenzene | | ND | 3.9 | " | " | " | " | " | " | |
| Bromochloromethane | | ND | 3.9 | " | " | " | " | " | " | |
| Bromodichloromethane | | ND | 3.9 | " | " | " | " | " | " | |
| Bromoform | | ND | 3.9 | " | " | " | " | " | " | |
| Bromomethane | | ND | 3.9 | " | " | " | " | " | " | |
| n-Butylbenzene | | ND | 3.9 | " | " | " | " | " | " | |
| sec-Butylbenzene | | ND | 3.9 | " | " | " | " | " | " | |
| tert-Butylbenzene | | ND | 3.9 | " | " | " | " | " | " | |
| • | | ND | 3.9 | " | " | " | " | " | " | |
| Carbon tetrachloride | | | 3.9 | " | " | " | " | " | " | |
| | | ND | 3.9 | | | | | | | |
| Chlorobenzene | | ND ND | | " | " | " | " | " | " | |
| Carbon tetrachloride Chlorobenzene Chloroethane Chloroform | | ND ND ND | 3.9 3.9 3.9 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|----------|--------------------|------------|----------|-------------|------------|----------------|-----------|------|
| SV2-10 (2107160-05) Soil Sampled: 07/12/21 | | | | | | * | | | |
| | | | | | D. C. 10.10 | 0.7/1.2/21 | 05/11/01 00 00 | TD. 02.00 | |
| 2-Chlorotoluene 4-Chlorotoluene | ND ND | 3.9 3.9 | μg/kg " | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Dibromochloromethane | ND ND | 3.9 3.9 | " | | ,, | ,, | ,, | ,, | |
| | ND ND | 3.9 | " | " | | " | ,, | | |
| 1,2-Dibromo-3-chloropropane | | | " | ,, | | ,, | ,, | | |
| 1,2-Dibromoethane (EDB) | ND ND | 3.9 3.9 | ,, | ,, | | ,, | | | |
| Dibromomethane | | | ,, | ,, | ,, | ,, | ,, | ,, | |
| 1,2-Dichlorobenzene | ND | 3.9 | ,, | ,, | | ,, | ,, | | |
| 1,3-Dichlorobenzene | ND | 3.9 | | ,, | | ,, | | | |
| 1,4-Dichlorobenzene | ND | 3.9 | " | | " | ,, | | ,, | |
| Dichlorodifluoromethane | ND | 3.9 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 3.9 | " | " | " | " | | " | |
| 1,2-Dichloroethane | ND | 3.9 | " | " | " | " | , | " | |
| 1,1-Dichloroethene | ND | 3.9 | ,, | ,, | " | ,, | | " | |
| cis-1,2-Dichloroethene | ND | 3.9 | " | " | ,, | ,, | ,, | " | |
| trans-1,2-Dichloroethene | ND | 3.9 | " | | ,, | ,, | ,, | ,, | |
| 1,2-Dichloropropane | ND | 3.9 | " | " | " | " | , | " | |
| 1,3-Dichloropropane | ND | 3.9 | " | " | " | " | , | " | |
| 2,2-Dichloropropane | ND | 3.9 | " | " | " | " | , | " | |
| 1,1-Dichloropropene | ND | 3.9 | " | " | " | " | , | " | |
| cis-1,3-Dichloropropene | ND | 3.9 | " | " | ,, | " | ,, | ,, | |
| trans-1,3-Dichloropropene | ND | 3.9 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 3.9 | " | " | " | " | , | " | |
| Hexachlorobutadiene | ND | 3.9 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 3.9 | | | " | | " | " | |
| p-Isopropyltoluene | ND | 3.9 | " | " | | " | | | |
| Methylene chloride | ND | 3.9 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 3.9 | " | | " | | " | " | |
| Naphthalene | ND | 3.9 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 3.9 | " | " | " | " | " | " | |
| Styrene | ND | 3.9 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 3.9 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 3.9 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 3.9 | " | " | " | " | " | " | |
| Toluene | ND | 3.9 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 3.9 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 3.9 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 3.9 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 3.9 | " | " | " | " | " | " | |
| Trichloroethene | ND | 3.9 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 3.9 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 3.9 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV2-10 (2107160-05) Soil Sampled: 07/12/21 11 | :23 Received: | 07/12/21 15:4 | 14 | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 3.9 | μg/kg | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| 1,3,5-Trimethylbenzene | ND | 3.9 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 3.9 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 3.9 | " | " | " | " | " | " | |
| o-Xylene | ND | 3.9 | " | " | " | " | " | " | |
| SV2-15 (2107160-06) Soil Sampled: 07/12/21 11 | :36 Received: | 07/12/21 15:4 | 14 | | | | | | |
| Surrogate: Dibromofluoromethane | | 116 % | 80 | 120 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 102 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 95.2 % | 74- | 121 | " | " | " | " | |
| Benzene | ND | 4.4 | " | " | " | " | " | " | |
| Bromobenzene | ND | 4.4 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 4.4 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 4.4 | " | " | " | " | " | " | |
| Bromoform | ND | 4.4 | " | " | " | " | " | " | |
| Bromomethane | ND | 4.4 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 4.4 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 4.4 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 4.4 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 4.4 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 4.4 | " | " | " | " | " | " | |
| Chloroethane | ND | 4.4 | " | " | " | " | " | " | |
| Chloroform | ND | 4.4 | " | " | " | " | " | " | |
| Chloromethane | ND | 4.4 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 4.4 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 4.4 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 4.4 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 4.4 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 4.4 | " | " | " | " | " | " | |
| Dibromomethane | ND | 4.4 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 4.4 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 4.4 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 4.4 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 4.4 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 4.4 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 4.4 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 4.4 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 4.4 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 4.4 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 4.4 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 4.4 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV2-15 (2107160-06) Soil | Sampled: 07/12/21 11:36 | Received: | 07/12/21 15:4 | 14 | | | | | | |
| 2,2-Dichloropropane | | ND | 4.4 | μg/kg | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| 1,1-Dichloropropene | | ND | 4.4 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | | ND | 4.4 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | | ND | 4.4 | " | " | " | " | " | " | |
| Ethylbenzene | | ND | 4.4 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 4.4 | " | " | " | " | " | " | |
| Isopropylbenzene | | ND | 4.4 | " | " | " | " | " | " | |
| p-Isopropyltoluene | | ND | 4.4 | " | " | " | " | " | " | |
| Methylene chloride | | ND | 4.4 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 4.4 | " | " | " | " | " | " | |
| Naphthalene | | ND | 4.4 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 4.4 | " | " | " | " | " | " | |
| Styrene | | ND | 4.4 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 4.4 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 4.4 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 4.4 | " | " | " | " | " | " | |
| Toluene | | ND | 4.4 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 4.4 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 4.4 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 4.4 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 4.4 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 4.4 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 4.4 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 4.4 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 4.4 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 4.4 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 4.4 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 4.4 | " | " | " | " | " | " | |
| o-Xylene | | ND | 4.4 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|-------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV3-5 (2107160-07) Soil Sampled: 07/12/21 12:35 | Received: (| 07/12/21 15:44 | | | | | | | |
| Surrogate: Dibromofluoromethane | | 114 % | 80-1 | | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 101 % | 81-1 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 94.7 % | 74-1 | 21 | " | " | " | " | |
| Benzene | ND | 4.2 | " | " | " | " | " | " | |
| Bromobenzene | ND | 4.2 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 4.2 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 4.2 | " | " | " | " | " | " | |
| Bromoform | ND | 4.2 | " | " | " | " | " | " | |
| Bromomethane | ND | 4.2 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 4.2 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 4.2 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 4.2 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 4.2 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 4.2 | " | " | " | " | " | " | |
| Chloroethane | ND | 4.2 | " | " | " | " | " | " | |
| Chloroform | ND | 4.2 | " | " | " | " | " | " | |
| Chloromethane | ND | 4.2 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 4.2 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 4.2 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 4.2 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 4.2 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 4.2 | " | " | " | " | " | " | |
| Dibromomethane | ND | 4.2 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 4.2 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 4.2 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 4.2 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 4.2 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 4.2 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 4.2 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 4.2 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 4.2 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 4.2 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 4.2 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 4.2 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 4.2 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 4.2 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 4.2 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 4.2 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 4.2 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 4.2 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 4.2 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|-------------------------|-----------|--------------------|------------|----------|---------|-----------|----------------|-----------|------|
| • | a | | | | Dilution | Datell | 1 repared | Analyzeu | Menion | 1100 |
| SV3-5 (2107160-07) Soil | Sampled: 07/12/21 12:35 | | 07/12/21 15:44 | | | | | | | |
| p-Isopropyltoluene | | ND | 4.2 | $\mu g/kg$ | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Methylene chloride | | ND | 4.2 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 4.2 | " | " | " | " | " | " | |
| Naphthalene | | ND | 4.2 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 4.2 | " | " | " | " | " | " | |
| Styrene | | ND | 4.2 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 4.2 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 4.2 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 4.2 | " | " | " | " | " | " | |
| Toluene | | ND | 4.2 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 4.2 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 4.2 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 4.2 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 4.2 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 4.2 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 4.2 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 4.2 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 4.2 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 4.2 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 4.2 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 4.2 | " | " | " | " | " | " | |
| o-Xylene | | ND | 4.2 | " | " | " | " | " | " | |
| SV3-10 (2107160-08) Soil | Sampled: 07/12/21 12:39 | Received: | 07/12/21 15:4 | 14 | | | | | | |
| Surrogate: Dibromofluoron | nethane | | 116 % | 80- | 120 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Surrogate: Toluene-d8 | | | 101 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorob | penzene | | 95.2 % | | 121 | " | " | " | " | |
| Benzene | | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| _ * | | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| | | | | | | | ,, | ,, | " | |
| Carbon tetrachloride | | | 5.0 | " | " | " | | | " | |
| Carbon tetrachloride Chlorobenzene | | ND | 5.0 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene Carbon tetrachloride Chlorobenzene Chloroethane Chloroform | | | 5.0 5.0 5.0 | | " | | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV3-10 (2107160-08) Soil Sampled: 07/12/21 12:39 | 9 Received | : 07/12/21 15: | 44 | | | | | | |
| 2-Chlorotoluene | ND | 5.0 | μg/kg | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV3-10 (2107160-08) Soil Sampled: 07/12/21 12:35 | Received: | 07/12/21 15:4 | 14 | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | μg/kg | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| SV3-15 (2107160-09) Soil Sampled: 07/12/21 12:44 | Received: | 07/12/21 15:4 | 14 | | | | | | |
| Surrogate: Dibromofluoromethane | | 118 % | 80- | 120 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 101 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 95.7 % | 74- | 121 | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | ,, | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | ,, | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | ,, | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | ,, | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | ,, | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | ,, | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | ,, | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | ,, | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | ,, | " | " | ,, | " | " | |
| 1,3-Dichloropropane | ND ND | 5.0 | ,, | " | " | ,, | " | " | |
| 1,5-Dienioropropane | מאז | 5.0 | | | | | | | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV3-15 (2107160-09) Soil | Sampled: 07/12/21 12:44 | Received: | 07/12/21 15: | 44 | | | | | | |
| 2,2-Dichloropropane | | ND | 5.0 | μg/kg | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| 1,1-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | | ND | 5.0 | | ,, | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|--------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV4-5 (2107160-10) Soil Sampled: 07/12/21 13:0 | 09 Received: | 07/12/21 15:44 | | | | | | | |
| Surrogate: Dibromofluoromethane | | 117 % | | 120 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 100 % | 81- | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 94.6 % | | 121 | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | | " | " | " | " | |
| Ethylbenzene | ND | 5.0 | " | ,, | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.0 | ,, | " | " | ,, | ,, | ,, | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|-------------------------------|---|-----------|--------------------|-------|----------|---------|-----------|----------------|-----------|------|
| | 0 1 1 0 7 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | | | | Dilution | Daton | 1 repared | , mary zou | Memou | 1100 |
| SV4-5 (2107160-10) Soil | Sampled: 07/12/21 13:09 | | | | | | | | | |
| p-Isopropyltoluene | | ND | 5.0 | μg/kg | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Methylene chloride | | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 5.0 | | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 5.0 | " | " | " | | " | " | |
| Trichloroethene | | ND | 5.0 | " | " | " | " | " | | |
| Trichlorofluoromethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 5.0 | " | " | " | | " | " | |
| m,p-Xylene | | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | | ND | 5.0 | " | " | " | " | " | " | |
| SV4-10 (2107160-11) Soil | Sampled: 07/12/21 13:18 | Received: | 07/12/21 15:4 | 14 | | | | | | |
| Surrogate: Dibromofluorom | ethane | | 119 % | 80- | -120 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Surrogate: Toluene-d8 | | | 99.8 % | 81- | -117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobe | enzene | | 94.6 % | 74- | -121 | " | " | " | " | |
| Benzene | | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | | ND | 5.0 | " | " | " | " | " | " | |
| | | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | | | | ,, | | " | " | " | " | |
| Chlorobenzene Chloroethane | | ND | 5.0 | " | | | | | | |
| | | ND ND | 5.0 | " | ,, | " | ,, | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV4-10 (2107160-11) Soil Sampled: 07/12/21 13:18 | Received: | 07/12/21 15:4 | 44 | | | | | | |
| 2-Chlorotoluene | ND | 5.0 | μg/kg | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|--------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV4-10 (2107160-11) Soil Sampled: 07/12/21 13 | :18 Received | : 07/12/21 15:4 | 44 | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | μg/kg | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| SV4-15 (2107160-12) Soil Sampled: 07/12/21 13 | :21 Received | : 07/12/21 15:4 | 44 | | | | | | |
| Surrogate: Dibromofluoromethane | | 118 % | 80- | 120 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 101 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 94.5 % | 74- | 121 | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |



Mearns Consulting LLC
Project: Town Center Northwest

738 Ashland Avenue
Project Number: [none]

738 Ashland AvenueProject Number:
[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV4-15 (2107160-12) Soil | Sampled: 07/12/21 13:21 | Received: | 07/12/21 15: | 44 | | | | | | |
| 2,2-Dichloropropane | | ND | 5.0 | μg/kg | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| 1,1-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 5.0 | | " | " | " | " | " | |
| o-Xylene | | ND | 5.0 | " | " | " | " | ,, | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|--------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV5-5 (2107160-13) Soil Sampled: 07/12/21 13:5 | 50 Received: | 07/12/21 15:44 | | | | | | | |
| Surrogate: Dibromofluoromethane | | 118 % | 80- | | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 102 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 94.0 % | 74- | | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|-------------------------|----------------|--------------------|-------|----------|---------|-----------|----------------|-----------|------|
| • | | | | | Dilution | Datell | 1 repared | Analyzeu | Menion | 1100 |
| SV5-5 (2107160-13) Soil | Sampled: 07/12/21 13:50 | | 7/12/21 15:44 | 1 | | | | | | |
| p-Isopropyltoluene | | ND | 5.0 | μg/kg | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Methylene chloride | | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | | ND | 5.0 | " | " | " | " | " | " | |
| SV5-10 (2107160-14) Soil | Sampled: 07/12/21 14:02 | Received: | 07/12/21 15:4 | 14 | | | | | | |
| Surrogate: Dibromofluoron | nethane | | 100 % | 80- | 120 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Surrogate: Toluene-d8 | | | 101 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorob | penzene | | 93.4 % | 74- | 121 | " | " | " | " | |
| Benzene | | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| | | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| • | | | | | | " | " | " | " | |
| Carbon tetrachloride | | ND | 5.0 | " | " | | | | | |
| tert-Butylbenzene Carbon tetrachloride Chlorobenzene Chloroethane | | ND ND | 5.0 5.0 | " | " | ,, | " | " | " | |
| Carbon tetrachloride | | ND ND ND | 5.0 5.0 5.0 | | " | | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|-------------|--------------------|------------|----------|---------|----------|----------------|-----------|------|
| SV5-10 (2107160-14) Soil Sampled: 07/12/21 14:02 | 2 Received: | 07/12/21 15: | 44 | | | | <u> </u> | | |
| 2-Chlorotoluene | ND | 5.0 | μg/kg | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| 4-Chlorotoluene | ND | 5.0 | μg/kg " | " | B1G1312 | " | " | " " | |
| Dibromochloromethane | ND | 5.0 | | " | ,, | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | ,, | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | ,, | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | ,, | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | ,, | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | ,, | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | ,, | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | ,, | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | ,, | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | ,, | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | ,, | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | ,, | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | ,, | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | ,, | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | ,, | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | ,, | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | ,, | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | ,, | " | |
| Ethylbenzene | ND | 5.0 | " | " | " | " | ,, | " | |
| Hexachlorobutadiene | ND | 5.0 | " | " | ,, | " | " | " | |
| Isopropylbenzene | ND | 5.0 | " | " | " | " | ,, | " | |
| p-Isopropyltoluene | ND | 5.0 | " | " | " | " | ,, | " | |
| Methylene chloride | ND | 5.0 | " | " | " | " | ,, | " | |
| Methyl tert-butyl ether | ND | 5.0 | " | " | " | " | ,, | " | |
| Naphthalene | ND | 5.0 | " | " | " | " | ,, | " | |
| n-Propylbenzene | ND | 5.0 | " | " | " | " | ,, | " | |
| Styrene | ND | 5.0 | " | " | " | " | ,, | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | ,, | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | ,, | " | |
| Tetrachloroethene | ND | 5.0 | " | " | " | " | ,, | " | |
| Toluene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | " | " | ,, | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | " | " | ,, | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.0 | " | " | ,, | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.0 | " | " | ,, | " | " | " | |
| Trichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 5.0 | ,, | ,, | ,, | ,, | ,, | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV5-10 (2107160-14) Soil Sampled: 07/12/21 14 | :02 Received: | 07/12/21 15:4 | 14 | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | μg/kg | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| SV5-15 (2107160-15) Soil Sampled: 07/12/21 14 | :07 Received: | 07/12/21 15:4 | 14 | | | | | | |
| Surrogate: Dibromofluoromethane | | 100 % | 80- | 120 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 101 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 94.1 % | 74- | 121 | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | n . | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| ,- FF | | *** | | | | | | | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV5-15 (2107160-15) Soil | Sampled: 07/12/21 14:07 | Received | : 07/12/21 15: | 44 | | | | | | |
| 2,2-Dichloropropane | | ND | 5.0 | μg/kg | 1 | B1G1312 | 07/13/21 | 07/14/21 08:23 | EPA 8260B | |
| 1,1-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|-------------|--------------------|--------|----------|---------|----------|----------------|-----------|------|
| | | | JII.03 | Dianon | Dateii | Trepared | 7 mary 200 | meniou | Note |
| SV1-5 (2107160-01) Soil Sampled: 07/12/21 08:54 | Received: 0 | 7/12/21 15:44 | | | | | | | |
| Surrogate: 2-Fluorophenol | | 99.9 % | 25-1 | | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 102 % | 24-1 | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 67.5 % | 23-1 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 41.6 % | 30-1 | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 28.7 % | 19-1 | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 119 % | 18-1 | | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV1-5 (2107160-01) Soil | Sampled: 07/12/21 08:54 | Received: | 07/12/21 15:4 | 4 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | e | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | ; | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV1-10 (2107160-02) Soil Sampled: 07/12/21 10:39 | Received | : 07/12/21 15:4 | 4 | | | | | | |
| Surrogate: 2-Fluorophenol | | 107 % | 25- | | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 104 % | 24- | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 64.3 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 68.0 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 31.5 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 73.0 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV1-10 (2107160-02) Soil | Sampled: 07/12/21 10:39 | Received | : 07/12/21 15:4 | 44 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV1-15 (2107160-03) Soil Sampled: 07/12/21 10:43 | Received | : 07/12/21 15:4 | 4 | | | | | | |
| Surrogate: 2-Fluorophenol | | 118 % | 25- | | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 101 % | 24- | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 64.5 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 58.7 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 27.1 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 94.1 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV1-15 (2107160-03) Soil | Sampled: 07/12/21 10:43 | Received | : 07/12/21 15: | 44 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV2-5 (2107160-04) Soil Sampled: 07/12/21 11:20 | Received: | 07/12/21 15:44 | | | | | | | |
| Surrogate: 2-Fluorophenol | | 115 % | | 121 | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 105 % | 24- | 113 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 75.7 % | | 120 | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 69.5 % | | 115 | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 76.1 % | | 122 | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 96.6 % | | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | ,, | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | | ,, | ,, | ,, | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV2-5 (2107160-04) Soil | Sampled: 07/12/21 11:20 | Received: | 07/12/21 15:4 | 4 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | ; | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | ,, | " | " | " | ,, | ,, | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV2-10 (2107160-05) Soil Sampled: 07/12/21 11:23 | Received: | : 07/12/21 15:4 | 4 | | | | | | |
| Surrogate: 2-Fluorophenol | | 63.4 % | 25- | | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 90.1 % | | 113 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 82.0 % | | 120 | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 86.8 % | | 115 | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 53.8 % | | 122 | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 92.7 % | | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | ,, | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV2-10 (2107160-05) Soil | Sampled: 07/12/21 11:23 | Received | : 07/12/21 15:4 | 44 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV2-15 (2107160-06) Soil Sampled: 07/12/21 11:36 | Received | : 07/12/21 15:4 | 4 | | | | | | |
| Surrogate: 2-Fluorophenol | | 61.9 % | 25- | | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 110 % | 24- | 113 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 80.1 % | | 120 | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 94.3 % | | 115 | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 51.8 % | | 122 | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 111 % | | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV2-15 (2107160-06) Soil | Sampled: 07/12/21 11:36 | Received | : 07/12/21 15:4 | 44 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|-------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV3-5 (2107160-07) Soil Sampled: 07/12/21 12:3 | 5 Received: | 07/12/21 15:44 | | | | | | | |
| Surrogate: 2-Fluorophenol | | 63.7 % | 25- | | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 70.1 % | | 113 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 83.4 % | | 120 | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 82.1 % | | 115 | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 56.1 % | | 122 | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 89.4 % | | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV3-5 (2107160-07) Soil | Sampled: 07/12/21 12:35 | Received: | 07/12/21 15:4 | 4 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | ; | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV3-10 (2107160-08) Soil Sampled: 07/12/21 12:39 | Received | : 07/12/21 15:4 | 4 | | | | | | |
| Surrogate: 2-Fluorophenol | | 72.1 % | 25- | | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 59.9 % | 24- | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 97.4 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 114 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 35.7 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 87.6 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV3-10 (2107160-08) Soil | Sampled: 07/12/21 12:39 | Received | : 07/12/21 15:4 | 44 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | ,, | ,, | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------|--------------------|-------|-----------|---------|----------|----------------|-----------|-------|
| SV3-15 (2107160-09) Soil Sampled: 07/12/21 12:44 | Received | l: 07/12/21 15:4 | 14 | | | | | | |
| Surrogate: 2-Fluorophenol | | 103 % | 25-12 | | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 69.7 % | 24-11 | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 102 % | 23-12 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 41.5 % | 30-11 | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 53.9 % | 19-12 | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 89.7 % | 18-13 | <i>37</i> | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV3-15 (2107160-09) Soil | Sampled: 07/12/21 12:44 | Received | : 07/12/21 15:4 | 44 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | ,, | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | ,, | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | ,, | ,, | |



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Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV4-5 (2107160-10) Soil Sampled: 07/12/21 13:09 | Received: | 07/12/21 15:44 | | | | | | | |
| Surrogate: 2-Fluorophenol | | 103 % | | 121 | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 65.7 % | | 113 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 95.9 % | | 120 | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 48.8 % | | 115 | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 58.5 % | | 122 | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 88.0 % | | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | ,, | " | " | " | |



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Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV4-5 (2107160-10) Soil | Sampled: 07/12/21 13:09 | Received: | 07/12/21 15:4 | 4 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | : | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | ; | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

$Semivolatile\ Organic\ Compounds\ by\ EPA\ Method\ 8270C$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV4-10 (2107160-11) Soil Sampled: 07/12/21 13:18 | Received | : 07/12/21 15:4 | 4 | | | | | | |
| Surrogate: 2-Fluorophenol | | 106 % | 25- | | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 53.9 % | 24- | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 74.9 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 75.3 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 51.7 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 94.0 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



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Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV4-10 (2107160-11) Soil | Sampled: 07/12/21 13:18 | Received | : 07/12/21 15:4 | 14 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| | | | | | | pmed | , 2.00 | | 1.500 |
| SV4-15 (2107160-12) Soil Sampled: 07/12/21 13:21 | Keceived: | 0//12/21 15:4 | 4 | | | | | | |
| Surrogate: 2-Fluorophenol | | 109 % | 25-12 | | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 82.7 % | 24-1 | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 99.5 % | 23-12 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 74.4 % | 30-1 | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 49.5 % | 19-12 | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 78.1 % | 18-1. | | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV4-15 (2107160-12) Soil | Sampled: 07/12/21 13:21 | Received | : 07/12/21 15:4 | 44 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV5-5 (2107160-13) Soil Sampled: 07/12/21 13:50 | Received: | 07/12/21 15:44 | | | | | | | |
| Surrogate: 2-Fluorophenol | | 111 % | 25-1 | | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 85.4 % | 24- | !13 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 101 % | 23-1 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 49.9 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 35.5 % | 19-1 | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 88.2 % | 18-1 | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | ,, | | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | ,, | ,, | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | ,, | " | " | ,, | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV5-5 (2107160-13) Soil | Sampled: 07/12/21 13:50 | Received: | 07/12/21 15:4 | 4 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | 2 | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | ; | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV5-10 (2107160-14) Soil Sampled: 07/12/21 14:02 | Received | : 07/12/21 15:4 | 4 | | | | | | |
| Surrogate: 2-Fluorophenol | | 55.4 % | 25- | | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 98.9 % | 24- | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 60.5 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 81.9 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 39.9 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 117 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV5-10 (2107160-14) Soil | Sampled: 07/12/21 14:02 | Received | : 07/12/21 15: | 44 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV5-15 (2107160-15) Soil Sampled: 07/12/21 14:07 | Received | 1: 07/12/21 15:4 | 14 | | | | | | |
| Surrogate: 2-Fluorophenol | | 91.5 % | | 121 | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 61.0 % | | 113 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 39.5 % | | 120 | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 72.5 % | | 115 | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 83.1 % | | 122 | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 85.4 % | | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | ,, | " | |
| 2,4-Dinitrophenol | ND | 0.33 | ,, | ,, | ,, | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | ,, | ,, | " | " | |
| 4,0-Dimuo-2-ineuryiphenoi | ND | 0.33 | | | | | | | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV5-15 (2107160-15) Soil | Sampled: 07/12/21 14:07 | Received | : 07/12/21 15: | 14 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1405 | 07/14/21 | 07/14/21 14:33 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



Mearns Consulting LLCProject:Town Center Northwest738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

$Metals\ by\ EPA\ 6000/7000\ Series\ Methods\ -\ Quality\ Control$

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------|--------|-------------|-------|-------------|-------------|-------------|---------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch B1G1307 - EPA 3060A | | | | | | | | | | |
| Blank (B1G1307-BLK1) | | | | Prepared: 0 | 7/13/21 A | nalyzed: 07 | 7/14/21 | | | |
| Hexavalent Chromium | ND | 0.10 | mg/kg | | | | | | | |
| LCS (B1G1307-BS1) | | | | Prepared: 0 |)7/13/21 Aı | nalyzed: 07 | //14/21 | | | |
| Hexavalent Chromium | 0.151 | 0.10 | mg/kg | 0.150 | | 101 | 80-120 | | | |
| Matrix Spike (B1G1307-MS1) | Sourc | e: 2107160- | 01 | Prepared: 0 | 07/13/21 At | nalyzed: 07 | //14/21 | | | |
| Hexavalent Chromium | 0.160 | 0.10 | mg/kg | 0.149 | ND | 107 | 75-125 | | | |
| Matrix Spike Dup (B1G1307-MSD1) | Sourc | e: 2107160- | 01 | Prepared: 0 |)7/13/21 Aı | nalyzed: 07 | 7/14/21 | | | |
| Hexavalent Chromium | 0.154 | 0.10 | mg/kg | 0.149 | ND | 104 | 75-125 | 3.48 | 20 | |
| Batch B1G1308 - EPA 3050B | | | | | | | | | | |
| Blank (B1G1308-BLK1) | | | | Prepared: 0 |)7/13/21 Aı | nalyzed: 07 | 7/14/21 | | | |
| Barium | ND | 6.0 | mg/kg | | | | | | | |
| Beryllium | ND | 2.2 | " | | | | | | | |
| Antimony | ND | 8.0 | " | | | | | | | |
| Cadmium | ND | 2.5 | " | | | | | | | |
| Lead | ND | 7.1 | " | | | | | | | |
| Thallium | ND | 17 | " | | | | | | | |
| Nickel | ND | 3.0 | " | | | | | | | |
| Selenium | ND | 6.9 | " | | | | | | | |
| Chromium | ND | 2.3 | " | | | | | | | |
| Molybdenum | ND | 5.2 | " | | | | | | | |
| Copper | ND | 5.0 | " | | | | | | | |
| Cobalt | ND | 3.3 | " | | | | | | | |
| Zinc | ND | 7.0 | " | | | | | | | |
| Silver | ND | 2.0 | " | | | | | | | |
| Arsenic | ND | 5.5 | " | | | | | | | |
| Vanadium | ND | 5.1 | ,, | | | | | | | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/19/21 09:26

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

| Batch B1G1308 - EPA 3050B | | | | | | | | | |
|---------------------------|------|-----|-------|----------------|-------------------|--------|-------|----|--|
| LCS (B1G1308-BS1) | | | | Prepared: 07/1 | 3/21 Analyzed: 07 | /14/21 | | | |
| Cadmium | 94.4 | 2.5 | mg/kg | 100 | 94.4 | 80-120 | | | |
| Zinc | 99.5 | 7.0 | " | 100 | 99.5 | 80-120 | | | |
| Molybdenum | 111 | 5.2 | " | 100 | 111 | 80-120 | | | |
| Chromium | 85.0 | 2.3 | " | 100 | 85.0 | 80-120 | | | |
| Nickel | 113 | 3.0 | " | 100 | 113 | 80-120 | | | |
| Cobalt | 80.4 | 3.3 | " | 100 | 80.4 | 80-120 | | | |
| Silver | 89.3 | 2.0 | " | 100 | 89.3 | 60-140 | | | |
| Lead | 101 | 7.1 | " | 100 | 101 | 80-120 | | | |
| Copper | 103 | 5.0 | " | 100 | 103 | 78-122 | | | |
| Arsenic | 109 | 5.5 | " | 100 | 109 | 78-122 | | | |
| Barium | 99.8 | 6.0 | " | 100 | 99.8 | 80-120 | | | |
| Selenium | 95.1 | 6.9 | " | 100 | 95.1 | 76-124 | | | |
| Thallium | 97.4 | 17 | " | 100 | 97.4 | 80-120 | | | |
| Vanadium | 99.8 | 5.1 | " | 100 | 99.8 | 80-120 | | | |
| Beryllium | 98.2 | 2.2 | " | 100 | 98.2 | 80-120 | | | |
| Antimony | 110 | 8.0 | " | 100 | 110 | 75-125 | | | |
| LCS Dup (B1G1308-BSD1) | | | | Prepared: 07/1 | 3/21 Analyzed: 07 | /14/21 | | | |
| Nickel | 116 | 3.0 | mg/kg | 100 | 116 | 80-120 | 2.60 | 20 | |
| Vanadium | 95.9 | 5.1 | " | 100 | 95.9 | 80-120 | 3.99 | 20 | |
| Antimony | 94.0 | 8.0 | " | 100 | 94.0 | 75-125 | 16.0 | 20 | |
| Lead | 96.8 | 7.1 | " | 100 | 96.8 | 80-120 | 4.37 | 20 | |
| Thallium | 96.3 | 17 | " | 100 | 96.3 | 80-120 | 1.11 | 20 | |
| Selenium | 94.0 | 6.9 | " | 100 | 94.0 | 76-124 | 1.22 | 20 | |
| Copper | 113 | 5.0 | " | 100 | 113 | 78-122 | 9.46 | 20 | |
| Zinc | 87.6 | 7.0 | " | 100 | 87.6 | 80-120 | 12.6 | 20 | |
| Molybdenum | 96.4 | 5.2 | " | 100 | 96.4 | 80-120 | 13.8 | 20 | |
| Cadmium | 94.6 | 2.5 | " | 100 | 94.6 | 80-120 | 0.212 | 20 | |
| Arsenic | 105 | 5.5 | " | 100 | 105 | 78-122 | 3.43 | 20 | |
| Barium | 101 | 6.0 | " | 100 | 101 | 80-120 | 0.948 | 20 | |
| Beryllium | 104 | 2.2 | " | 100 | 104 | 80-120 | 5.48 | 20 | |
| Silver | 92.1 | 2.0 | " | 100 | 92.1 | 60-140 | 3.03 | 40 | |
| Cobalt | 97.7 | 3.3 | " | 100 | 97.7 | 80-120 | 19.5 | 20 | |
| Chromium | 99.7 | 2.3 | " | 100 | 99.7 | 80-120 | 15.9 | 20 | |
| | | | | | | | | | |



Cobalt

Mearns Consulting LLC Project: Town Center Northwest

738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

| Batch B1G1308 - EPA 3050B | | | | | | | | | |
|---------------------------------|-----------|---------|-------|-------------|------------|-------------|---------|------|----|
| Matrix Spike (B1G1308-MS1) | Source: 2 | 107160- | 01 | Prepared: (| 07/13/21 A | nalyzed: 07 | //14/21 | | |
| Lead | 95.9 | 7.1 | mg/kg | 99.0 | 5.52 | 91.3 | 70-130 | | |
| Arsenic | 88.1 | 5.5 | " | 99.0 | ND | 89.0 | 70-130 | | |
| Copper | 114 | 5.0 | " | 99.0 | 8.79 | 106 | 70-130 | | |
| Barium | 160 | 6.0 | " | 99.0 | 67.9 | 93.5 | 70-130 | | |
| Antimony | 91.4 | 8.0 | " | 99.0 | 1.56 | 90.8 | 60-140 | | |
| Chromium | 95.2 | 2.3 | " | 99.0 | 9.80 | 86.2 | 70-130 | | |
| Cadmium | 92.0 | 2.5 | " | 99.0 | 0.470 | 92.4 | 70-130 | | |
| Silver | 100 | 2.0 | " | 99.0 | ND | 101 | 60-140 | | |
| Molybdenum | 80.0 | 5.2 | " | 99.0 | 0.644 | 80.2 | 70-130 | | |
| Thallium | 91.3 | 17 | " | 99.0 | ND | 92.2 | 70-130 | | |
| Selenium | 87.0 | 6.9 | " | 99.0 | ND | 87.8 | 70-130 | | |
| Vanadium | 97.6 | 5.1 | " | 99.0 | 14.8 | 83.6 | 70-130 | | |
| Nickel | 93.3 | 3.0 | " | 99.0 | 6.44 | 87.7 | 70-130 | | |
| Cobalt | 99.8 | 3.3 | " | 99.0 | 5.40 | 95.4 | 70-130 | | |
| Zinc | 114 | 7.0 | " | 99.0 | 27.3 | 87.7 | 70-130 | | |
| Beryllium | 79.7 | 2.2 | " | 99.0 | 0.446 | 80.0 | 70-130 | | |
| Matrix Spike Dup (B1G1308-MSD1) | Source: 2 | 107160- | 01 | Prepared: (| 07/13/21 A | nalyzed: 07 | 7/14/21 | | |
| Silver | 95.7 | 2.0 | mg/kg | 98.4 | ND | 97.3 | 60-140 | 4.62 | 40 |
| Vanadium | 104 | 5.1 | " | 98.4 | 14.8 | 90.6 | 70-130 | 6.34 | 20 |
| Thallium | 99.6 | 17 | " | 98.4 | ND | 101 | 70-130 | 8.64 | 20 |
| Zinc | 122 | 7.0 | " | 98.4 | 27.3 | 96.6 | 70-130 | 7.05 | 20 |
| Chromium | 99.0 | 2.3 | " | 98.4 | 9.80 | 90.7 | 70-130 | 3.96 | 20 |
| Molybdenum | 85.9 | 5.2 | " | 98.4 | 0.644 | 86.7 | 70-130 | 7.17 | 20 |
| Copper | 123 | 5.0 | " | 98.4 | 8.79 | 116 | 70-130 | 7.73 | 30 |
| Antimony | 98.7 | 8.0 | " | 98.4 | 1.56 | 98.7 | 60-140 | 7.69 | 20 |
| Barium | 175 | 6.0 | " | 98.4 | 67.9 | 109 | 70-130 | 8.76 | 20 |
| Lead | 104 | 7.1 | " | 98.4 | 5.52 | 100 | 70-130 | 8.31 | 30 |
| Beryllium | 85.1 | 2.2 | " | 98.4 | 0.446 | 86.0 | 70-130 | 6.57 | 20 |
| Nickel | 98.9 | 3.0 | " | 98.4 | 6.44 | 93.9 | 70-130 | 5.80 | 20 |
| Cadmium | 95.7 | 2.5 | " | 98.4 | 0.470 | 96.8 | 70-130 | 3.98 | 20 |
| Arsenic | 97.4 | 5.5 | " | 98.4 | ND | 98.9 | 70-130 | 10.0 | 20 |
| Selenium | 96.1 | 6.9 | " | 98.4 | ND | 97.6 | 70-130 | 10.0 | 20 |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

3.3

105

5.40

102

70-130



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/19/21 09:26

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------|--------|-------------|-------|------------|-----------|----------|--------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch B1G1309 - EPA 7471A | | | | | | | | | | |
| Blank (B1G1309-BLK1) | | | | Prepared & | Analyzed: | 07/13/21 | | | | |
| Mercury | ND | 0.90 | mg/kg | | | | | | | |
| LCS (B1G1309-BS1) | | | | Prepared & | Analyzed: | 07/13/21 | | | | |
| Mercury | 0.16 | 0.90 | mg/kg | 0.167 | | 94.9 | 70-130 | | | |
| Matrix Spike (B1G1309-MS1) | Source | : 2107160-0 |)1 | Prepared & | Analyzed: | 07/13/21 | | | | |
| Mercury | 0.15 | 0.90 | mg/kg | 0.158 | ND | 97.6 | 70-130 | | | |
| Matrix Spike Dup (B1G1309-MSD1) | Source | : 2107160-0 |)1 | Prepared & | Analyzed: | 07/13/21 | | | | |
| Mercury | 0.16 | 0.90 | mg/kg | 0.157 | ND | 99.4 | 70-130 | 1.67 | 30 | |



738 Ashland AvenueProject Number: [none]Reported:Santa Monica CA, 90405Project Manager: Susan Mearns07/19/21 09:26

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|--|--------|--------------|-------|-------------|-------------|-------------|--------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch B1G1302 - EPA 5035 P & T | | | | | | | | | | |
| Blank (B1G1302-BLK1) | | | | Prepared: 0 |)7/13/21 Aı | nalyzed: 07 | /14/21 | | | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | mg/kg | | | | | | | |
| LCS (B1G1302-BS1) | | | | Prepared: 0 |)7/13/21 Aı | nalyzed: 07 | /14/21 | | | |
| Gasoline Range Hydrocarbons (C4-C12) | 0.525 | 0.050 | mg/kg | 0.600 | | 87.5 | 80-120 | | | |
| Matrix Spike (B1G1302-MS1) | Sour | ce: 2107160- | 01 | Prepared: 0 |)7/13/21 Aı | nalyzed: 07 | /14/21 | | | |
| Gasoline Range Hydrocarbons (C4-C12) | 0.493 | 0.050 | mg/kg | 0.600 | ND | 82.2 | 50-150 | | | |
| Matrix Spike Dup (B1G1302-MSD1) | Sour | ce: 2107160- | 01 | Prepared: 0 |)7/13/21 Aı | nalyzed: 07 | /14/21 | | | |
| Gasoline Range Hydrocarbons (C4-C12) | 0.551 | 0.050 | mg/kg | 0.600 | ND | 91.8 | 50-150 | 11.1 | 30 | |
| Batch B1G1401 - EPA 3550B Solid Ext | | | | | | | | | | |
| Blank (B1G1401-BLK1) | | | | Prepared & | : Analyzed: | 07/14/21 | | | | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | mg/kg | | | | | | | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | | | | | | | |
| LCS (B1G1401-BS1) | | | | Prepared & | Analyzed: | 07/14/21 | | | | |
| Diesel Range Organics (C10-C24) | 16.9 | 5.0 | mg/kg | 20.0 | | 84.4 | 80-120 | | | |
| Matrix Spike (B1G1401-MS1) | Sour | ce: 2107164- | 04 | Prepared & | : Analyzed: | 07/14/21 | | | | |
| Diesel Range Organics (C10-C24) | 15.4 | 5.0 | mg/kg | 20.0 | ND | 77.0 | 50-150 | | | |
| Matrix Spike Dup (B1G1401-MSD1) | Sour | ce: 2107164- | 04 | Prepared & | Analyzed: | 07/14/21 | | | | |
| Diesel Range Organics (C10-C24) | 14.7 | 5.0 | mg/kg | 20.0 | ND | 73.4 | 50-150 | 4.74 | 30 | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | | l |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|---|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes | l |

Batch B1G1312 - EPA 5035 P & T

| Blank (B1G1312-BLK1) | | | | Prepared: 07/13/21 Analyzed: 07/14/21 |
|-----------------------------|----|-----|-------|---------------------------------------|
| Benzene | ND | 5.0 | μg/kg | |
| Bromobenzene | ND | 5.0 | " | |
| Bromochloromethane | ND | 5.0 | " | |
| Bromodichloromethane | ND | 5.0 | " | |
| Bromoform | ND | 5.0 | " | |
| Bromomethane | ND | 5.0 | " | |
| n-Butylbenzene | ND | 5.0 | " | |
| sec-Butylbenzene | ND | 5.0 | " | |
| tert-Butylbenzene | ND | 5.0 | " | |
| Carbon tetrachloride | ND | 5.0 | " | |
| Chlorobenzene | ND | 5.0 | " | |
| Chloroethane | ND | 5.0 | " | |
| Chloroform | ND | 5.0 | " | |
| Chloromethane | ND | 5.0 | " | |
| 2-Chlorotoluene | ND | 5.0 | " | |
| 4-Chlorotoluene | ND | 5.0 | " | |
| Dibromochloromethane | ND | 5.0 | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | |
| Dibromomethane | ND | 5.0 | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | |
| Ethylbenzene | ND | 5.0 | " | |
| Hexachlorobutadiene | ND | 5.0 | " | |



738 Ashland AvenueProject Number: [none]Reported:Santa Monica CA, 90405Project Manager: Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

| Ratch | R1G1 | 312 - | EPA | 5035 | P & T |
|-------|------|-------|-----|------|-------|
| | | | | | |

| Blank (B1G1312-BLK1) | | | | Prepared: 07/13/ | 21 Analyzed: 07 | /14/21 | |
|---------------------------|------|-----|-------|------------------|-----------------|--------|--|
| Isopropylbenzene | ND | 5.0 | μg/kg | | - | | |
| p-Isopropyltoluene | ND | 5.0 | " | | | | |
| Methylene chloride | ND | 5.0 | " | | | | |
| Methyl tert-butyl ether | ND | 5.0 | " | | | | |
| Naphthalene | ND | 5.0 | " | | | | |
| n-Propylbenzene | ND | 5.0 | " | | | | |
| Styrene | ND | 5.0 | " | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | " | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | " | | | | |
| Tetrachloroethene | ND | 5.0 | " | | | | |
| Toluene | ND | 5.0 | " | | | | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | " | | | | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | " | | | | |
| ,1,1-Trichloroethane | ND | 5.0 | " | | | | |
| 1,1,2-Trichloroethane | ND | 5.0 | " | | | | |
| Trichloroethene | ND | 5.0 | " | | | | |
| Trichlorofluoromethane | ND | 5.0 | " | | | | |
| 1,2,3-Trichloropropane | ND | 5.0 | " | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | " | | | | |
| ,3,5-Trimethylbenzene | ND | 5.0 | " | | | | |
| Vinyl chloride | ND | 5.0 | " | | | | |
| n,p-Xylene | ND | 5.0 | " | | | | |
| o-Xylene | ND | 5.0 | " | | | | |
| LCS (B1G1312-BS1) | | | | Prepared: 07/13/ | 21 Analyzed: 07 | /14/21 | |
| Benzene | 54.6 | 5.0 | μg/kg | 50.0 | 109 | 80-120 | |
| Chlorobenzene | 47.7 | 5.0 | " | 50.0 | 95.4 | 80-120 | |
| 1,1-Dichloroethene | 56.6 | 5.0 | " | 50.0 | 113 | 80-120 | |
| Toluene | 47.8 | 5.0 | " | 50.0 | 95.6 | 80-120 | |
| Trichloroethene | 55.3 | 5.0 | " | 50.0 | 111 | 80-120 | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

| Ratch | R1G | 1312 - | FPA | 5035 | P & T |
|-------|-----|--------|------------|------|-------|
| | | | | | |

| Matrix Spike (B1G1312-MS1) | Source | : 2107160- | 01 | Prepared: 0 | 7/13/21 A | nalyzed: 07 | 7/14/21 | | |
|---------------------------------|--------|------------|-------|-------------|------------|-------------|---------|-------|----|
| Benzene | 50.2 | 5.0 | μg/kg | 50.0 | ND | 100 | 37-151 | | |
| Chlorobenzene | 41.5 | 5.0 | " | 50.0 | ND | 83.0 | 37-160 | | |
| 1,1-Dichloroethene | 51.2 | 5.0 | " | 50.0 | ND | 102 | 50-150 | | |
| Toluene | 43.5 | 5.0 | " | 50.0 | ND | 86.9 | 47-150 | | |
| Trichloroethene | 50.2 | 5.0 | " | 50.0 | ND | 100 | 71-157 | | |
| Matrix Spike Dup (B1G1312-MSD1) | Source | : 2107160- | 01 | Prepared: 0 | 07/13/21 A | nalyzed: 07 | 7/14/21 | | |
| Benzene | 51.0 | 5.0 | μg/kg | 50.0 | ND | 102 | 37-151 | 1.40 | 30 |
| Chlorobenzene | 42.0 | 5.0 | " | 50.0 | ND | 84.0 | 37-160 | 1.20 | 30 |
| 1,1-Dichloroethene | 49.6 | 5.0 | " | 50.0 | ND | 99.2 | 50-150 | 3.21 | 30 |
| Toluene | 43.3 | 5.0 | " | 50.0 | ND | 86.5 | 47-150 | 0.461 | 30 |
| Trichloroethene | 56.5 | 5.0 | " | 50.0 | ND | 113 | 71-157 | 11.8 | 30 |



738 Ashland AvenueProject Number: [none]Reported:Santa Monica CA, 90405Project Manager: Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch B1G1405 - EPA 3550B Solid Ext

| Blank (B1G1405-BLK1) | | | | Prepared & Analyzed: 07/14/21 |
|-----------------------------|----|------|-------|-------------------------------|
| Acenaphthene | ND | 0.33 | mg/kg | |
| Acenaphthylene | ND | 0.33 | " | |
| Anthracene | ND | 0.33 | " | |
| Benzidine | ND | 0.33 | " | |
| Benzo (a) anthracene | ND | 0.33 | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | |
| Benzo (a) pyrene | ND | 0.33 | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | |
| Benzyl alcohol | ND | 0.33 | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | |
| 4-Chloroaniline | ND | 0.33 | " | |
| 2-Chlorophenol | ND | 0.33 | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | |
| Chrysene | ND | 0.33 | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | |
| Dibenzofuran | ND | 0.33 | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | |
| Diethyl phthalate | ND | 0.33 | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | |
| Dimethyl phthalate | ND | 0.33 | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | |
| 2,4-Dinitrotoluene | ND | 0.33 | " | |
| 2,6-Dinitrotoluene | ND | 0.33 | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | | l |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|---|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes | l |

Batch B1G1405 - EPA 3550B Solid Ext

| Blank (B1G1405-BLK1) | | | | Prepared & Analyzed: 07/14/21 |
|---------------------------|----|------|-------|-------------------------------|
| Di-n-octyl phthalate | ND | 0.33 | mg/kg | |
| 1,2-Diphenylhydrazine | ND | 0.33 | " | |
| Fluoranthene | ND | 0.33 | " | |
| Fluorene | ND | 0.33 | " | |
| Hexachlorobenzene | ND | 0.33 | " | |
| Hexachlorobutadiene | ND | 0.33 | " | |
| Hexachlorocyclopentadiene | ND | 0.33 | " | |
| Hexachloroethane | ND | 0.33 | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.33 | " | |
| Isophorone | ND | 0.33 | " | |
| 2-Methylnaphthalene | ND | 0.33 | " | |
| 2-Methylphenol | ND | 0.33 | " | |
| 4-Methylphenol | ND | 0.33 | " | |
| Naphthalene | ND | 0.33 | " | |
| 2-Nitroaniline | ND | 0.33 | " | |
| 3-Nitroaniline | ND | 0.33 | " | |
| 4-Nitroaniline | ND | 0.33 | " | |
| Nitrobenzene | ND | 0.33 | " | |
| 2-Nitrophenol | ND | 0.33 | " | |
| 4-Nitrophenol | ND | 0.33 | " | |
| N-Nitrosodimethylamine | ND | 0.33 | " | |
| Diphenylamine | ND | 0.33 | " | |
| N-Nitrosodi-n-propylamine | ND | 0.33 | " | |
| Pentachlorophenol | ND | 0.33 | " | |
| Phenanthrene | ND | 0.33 | " | |
| Phenol | ND | 0.33 | " | |
| Pyrene | ND | 0.33 | " | |
| 1,2,4-Trichlorobenzene | ND | 0.33 | " | |
| 2,4,5-Trichlorophenol | ND | 0.33 | " | |
| 2,4,6-Trichlorophenol | ND | 0.33 | " | |



738 Ashland AvenueProject Number: [none]Reported:Santa Monica CA, 90405Project Manager: Susan Mearns07/19/21 09:26

$Semivolatile\ Organic\ Compounds\ by\ EPA\ Method\ 8270C\ -\ Quality\ Control$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|-------------------------------------|--------|--------------------|-------|----------------|------------------|------|----------------|-----|--------------|-------|
| Batch B1G1405 - EPA 3550B Solid Ext | | | | | | | | | | |

| LCS (B1G1405-BS1) | | | | Prepared & | Analyzed: | 07/14/21 | | | | |
|---------------------------------|-------|-------------|-------|------------|-----------|----------|--------|-------|----|--|
| Acenaphthene | 0.858 | 0.33 | mg/kg | 1.00 | | 85.8 | 47-145 | | | |
| 2-Chlorophenol | 1.86 | 0.33 | " | 2.00 | | 93.2 | 23-134 | | | |
| 4-Chloro-3-methylphenol | 2.15 | 0.33 | " | 2.00 | | 108 | 22-147 | | | |
| 1,4-Dichlorobenzene | 0.795 | 0.33 | " | 1.00 | | 79.5 | 20-124 | | | |
| 2,4-Dinitrotoluene | 0.517 | 0.33 | " | 1.00 | | 51.7 | 39-139 | | | |
| 4-Nitrophenol | 0.628 | 0.33 | " | 2.00 | | 31.4 | 0-132 | | | |
| N-Nitrosodi-n-propylamine | 0.741 | 0.33 | " | 1.00 | | 74.1 | 0-230 | | | |
| Pentachlorophenol | 0.387 | 0.33 | " | 2.00 | | 19.4 | 14-176 | | | |
| Phenol | 1.56 | 0.33 | " | 2.00 | | 77.9 | 5-112 | | | |
| Pyrene | 1.09 | 0.33 | " | 1.00 | | 109 | 52-115 | | | |
| 1,2,4-Trichlorobenzene | 0.632 | 0.33 | " | 1.00 | | 63.2 | 44-142 | | | |
| Matrix Spike (B1G1405-MS1) | Sourc | e: 2107160- | 01 | Prepared & | Analyzed: | 07/14/21 | | | | |
| Acenaphthene | 0.942 | 0.33 | mg/kg | 1.00 | ND | 94.2 | 47-145 | | | |
| 2-Chlorophenol | 1.93 | 0.33 | " | 2.00 | ND | 96.3 | 23-134 | | | |
| -Chloro-3-methylphenol | 1.89 | 0.33 | " | 2.00 | ND | 94.4 | 22-147 | | | |
| ,4-Dichlorobenzene | 0.919 | 0.33 | " | 1.00 | ND | 91.9 | 20-124 | | | |
| 2,4-Dinitrotoluene | 0.541 | 0.33 | " | 1.00 | ND | 54.1 | 39-139 | | | |
| -Nitrophenol | 0.607 | 0.33 | " | 2.00 | ND | 30.4 | 0-132 | | | |
| N-Nitrosodi-n-propylamine | 0.885 | 0.33 | " | 1.00 | ND | 88.5 | 0-230 | | | |
| Pentachlorophenol | 0.571 | 0.33 | " | 2.00 | ND | 28.6 | 14-176 | | | |
| Phenol | 1.62 | 0.33 | " | 2.00 | ND | 81.0 | 5-112 | | | |
| Pyrene | 0.917 | 0.33 | " | 1.00 | ND | 91.7 | 52-115 | | | |
| ,2,4-Trichlorobenzene | 0.831 | 0.33 | " | 1.00 | ND | 83.1 | 44-142 | | | |
| Matrix Spike Dup (B1G1405-MSD1) | Sourc | e: 2107160- | 01 | Prepared & | Analyzed: | 07/14/21 | | | | |
| Acenaphthene | 1.02 | 0.33 | mg/kg | 1.00 | ND | 102 | 47-145 | 7.46 | 30 | |
| -Chlorophenol | 2.10 | 0.33 | " | 2.00 | ND | 105 | 23-134 | 8.88 | 30 | |
| -Chloro-3-methylphenol | 1.81 | 0.33 | " | 2.00 | ND | 90.3 | 22-147 | 4.49 | 30 | |
| 1,4-Dichlorobenzene | 0.983 | 0.33 | " | 1.00 | ND | 98.3 | 20-124 | 6.73 | 30 | |
| 2,4-Dinitrotoluene | 0.466 | 0.33 | " | 1.00 | ND | 46.6 | 39-139 | 14.9 | 30 | |
| 4-Nitrophenol | 0.644 | 0.33 | " | 2.00 | ND | 32.2 | 0-132 | 5.92 | 30 | |
| N-Nitrosodi-n-propylamine | 0.913 | 0.33 | " | 1.00 | ND | 91.3 | 0-230 | 3.11 | 30 | |
| Pentachlorophenol | 0.595 | 0.33 | " | 2.00 | ND | 29.8 | 14-176 | 4.12 | 30 | |
| Phenol | 1.63 | 0.33 | " | 2.00 | ND | 81.4 | 5-112 | 0.492 | 30 | |
| Pyrene | 1.15 | 0.33 | " | 1.00 | ND | 115 | 52-115 | 22.3 | 30 | |
| 1,2,4-Trichlorobenzene | 0.863 | 0.33 | " | 1.00 | ND | 86.3 | 44-142 | 3.78 | 30 | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/19/21 09:26

Notes and Definitions

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

CHAIN OF CUSTODY RECORD

Page: l of

Date: 7 / 12 / 21

2127160.

SIERRA ANALYTICAL

TEL: 949 · 348 · 9389 FAX: 949 · 348 · 9115 26052 Merit Circle · Suite 104 · Laguna Hills, CA · 92653

| 26052 Merit Circle · Suite 104 · Laguna Hills, CA · 92653 | cle • Suite 1 | 04 · Lagur | na Hills, CA | 4 - 92653 | | | | | | | Lab Work Order No.: | | (10 (100. |
|---|---------------|-------------------|---------------------|-------------|--------------------|-------------|-------------------------|--|----------------------------------|------------------|--|-------------------------|----------------------|
| Client: MEARNS | | | : | | Client Project ID; | é | | : | A | nalyses] | Analyses Requested | | |
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| Client Proj. Mgr.: WASAN L | MEARNS KI | r _{tt} D | | | | Normal | Mobile | | | Q 1 | | <u>-</u> | Site Global ID |
| Client Sample ID. | Sierra No. | Date | ТІте | Matrix | | · ——— | er No. of Containers | カル ファル でも | 5 ED | 590K | 109N5 | | Field Point Names / |
| 5/1/5 | 0 | 7.12.21 | 1580 | 2012 | 20/5RV | VOA VIAIO | 7/ X 0/8 | × | × | × | × | | e paramata a |
| SVI. 10 | 1.0 | | 1039 | | - - - | | | × | × | × | * | | |
| SVI-15 | 50 | | क्रिनु | | | | | × | × | × | × | | |
| SV2.5 | <u>ه</u> | | 1120 | | | | | × | × | × | × | | |
| SV2.60 | (S) | | 1123 | | | | | × | × | × | × | | |
| SV2-15 | 96 | | 13% | | | | | × | × | × | × | | |
| 5.43.5 | L 0 | | 1235 | | | | | × | × | × | × | - | |
| 543.6 | 30 | | 1239 | | | | | × | × | × | × | | |
| SV3-15 | 90 | - | 124 | | | | | × × | × | × | × | | |
| Sv4.5 | <u>6</u> | Ϡ | 1304 | | > | > | > | × | × | × | × | | |
| The Carlo | Tona | an | Shoped Vie HAND | | DELIVEREN | | | 3/ | | otal Numb | Total Number of Containers Submitted to | mitted to | Sample Disposal: |
| SUMMA LUGARACTUD SC | AWF. | agan | (Center-Waybill No. | ~ | | | |) '9 | | aboratory | | | Return to Clean |
| inqualed By: | ^ \ <u>'</u> | 12/14 | Received By: | 1 | J | | J(17/L) | _ | amples and the perform the an | signature on the | The delivery of semples and the apparature on this chain of custody form constitutes eachorization to perform the analyses specified above under SERRA's Terms and | ग्धरीमध्य रामड कार्व | Cab Dispess |
| construction () | | 654 | Company | 15, | Sichur | | 1544 | | ss otherwise age | reed upon in | Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT: * - Samples determined to be tarsardous by SIERRA will be returned to CLIENT. | Id CLIENT. CLIENT. | Arehie . |
| - Efrequisted By: | | Dut; | Received By: | | | | Dage | | | Total Nutr | Total Number of Containers Received by | ceived by | l |
| ntipatny: | | Tune: | Сопрану. | | | | Time | ာ မာ | ····· | Laboratory | | • | |
| ltiquished Dy: | | Date: | Received By: | | | | Date: | FOR IA BRIEATORY USE ONLY. Manufic Receips | KY LIST ONLY | Sample Reen | College tempto | | 2.5 |
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CHAIN OF CUSTODY RECORD

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Page:

Date: 7 / 12 / 21

SIERRA ANALYTICAL

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| 26052 Merit Circle • Suite 104 • Laguna Hills, CA • 92653 | s Suite 104 • L | явипа Н | Ils, CA • | 92653 | | | | | | | | Ľ | ıb Work | Lab Work Order No.: | | 2107160 | |
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| Client Tel. No.: 310 403 1921 | | | | <u></u> | ij | 48 Hour | 72 Hour | 57 \ | | <u> ५।०</u> | 108 | /8 | <u>کو</u> | | | | |
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| Clent Proj. Mgr.: 8/4/44/ [Mg | MEARING PLID | () | | | | | Mobile | γ | | | 917 | 23 | ġ | | | Site Gtobal ID | e |
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| ol-has | 1.4.1.21 | \dashv | 3)61 | FOIL | 28 88.80 88.80 | | 7 | × | × | × | × | × | × | | | | |
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| C. C. | | | | | | | | | | | | | | | | | |
| Sample Sold Land | agan |) Shipp | Shipped Vis. HARLD | DELIVERED | Ped | | | | ' | | Total | Number | of Cont | ainers Su | Total Number of Containers Submitted to | Sample Disposal: | |
| SHOW (Mayors PH) O Chi | tt Fan | (611 Com | Contra Way 601 Ho.) | | | | | | ٥ ع | Λ | Laboratory | ttory | | | | Return to Client | |
| < | K | (2/2) Remark | Reserved By: | 4 | 7 | | 1/12/20 | ┝ | Mivery of se Estation to p | mples and erform the | the signation | are on this specified al | chatn of co | stody form SIERRA's | The delivery of samples and the signature on this chain of custody form constitutes astitutestation to perform the analyses specified above under SIERRA's Terms and | \$ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | ••• |
| Compuny | 17 | 14 J | nay. | A 5. CAR | nest | | 1+S1 : | - | bozs, unks imples dete | otherwharmined to | e greed u | pon io wrd | lag betwoo RRA will b | a SIERRA o returned | Conditions, unless otherwise agreed upon in wriding between SIERRA and CLIENT. * - Samples determined to be bazardom by SIERRA will be returned to CLIENT. | Acchive | |
| Topingwithm By: | Dser | Ranci | accival By: | | | | Date | | , | | Tota | Numbe | rofCor | tainers I | Total Number of Containers Received by | | |
| Company: | Time: | Compary | -A46- | | | | 1 | I | 09 | | Labo | Laboratory | | | <u>.</u> | | |
| 4 Refineutished By: | Date: | lleber | Moonved By: | | | | Date | žΌ | PON JAMMANTORY USE DINGY Sample Receipt Considering | V OSE ON | OY-Samp | Package C | | Antibed - Teresp (PC): | 6 | ナ シ。 シ | |
| Соверану: | Timbe: | Comp | eny: | | | | Time | П | T Service Seals | | | | Ì | , | O Presidents, Verified By | | |
| Special instructions; | | | | | | | | <u>a</u> | | 7 | | | į O | | | | |
| | | | | | | | | <i>j</i> Ż | A Appropriate Sample Container | 3. Sample: | Obsigned | | Ĩ | | | 63 | |



22 July 2021

Susan Mearns Mearns Consulting LLC 738 Ashland Avenue Santa Monica, CA 90405

RE:Town Center Northwest

Work Order No.: 2107188

Attached are the results of the analyses for samples received by the laboratory on 07/13/21 17:07.

The samples were received by Sierra Analytical Labs, Inc. with a chain of custody record attached or completed at the submittal of the samples.

The analyses were performed according to the prescribed method as outlined by EPA, Standard Methods, and A.S.T.M.

The remaining portions of the samples will be disposed of within 30 days from the date of this report. If you require any additional retaining time, please advise us.

Sincerely,

Kuhand T. Foryth

Laboratory Director

Sierra Analytical Labs, Inc. is certified by the California Department of Health Services (DOHS), Environmental Laboratory Accredidation Program (ELAP) No. 2320.



Mearns Consulting LLC 738 Ashland Avenue Santa Monica CA, 90405 Project: Town Center Northwest

Project Number: [none]
Project Manager: Susan Mearns

Reported: 07/22/21 13:51

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| SV6-5 | 2107188-01 | Soil | 07/13/21 07:35 | 07/13/21 17:07 |
| SV6-10 | 2107188-02 | Soil | 07/13/21 07:44 | 07/13/21 17:07 |
| SV6-15 | 2107188-03 | Soil | 07/13/21 07:51 | 07/13/21 17:07 |
| SV7-5 | 2107188-04 | Soil | 07/13/21 08:15 | 07/13/21 17:07 |
| SV7-10 | 2107188-05 | Soil | 07/13/21 08:25 | 07/13/21 17:07 |
| SV7-15 | 2107188-06 | Soil | 07/13/21 08:30 | 07/13/21 17:07 |
| SV8-5 | 2107188-07 | Soil | 07/13/21 08:56 | 07/13/21 17:07 |
| SV8-10 | 2107188-08 | Soil | 07/13/21 08:58 | 07/13/21 17:07 |
| SV8-15 | 2107188-09 | Soil | 07/13/21 09:06 | 07/13/21 17:07 |
| SV9-5 | 2107188-10 | Soil | 07/13/21 09:19 | 07/13/21 17:07 |
| SV9-10 | 2107188-11 | Soil | 07/13/21 09:22 | 07/13/21 17:07 |
| SV9-15 | 2107188-12 | Soil | 07/13/21 09:24 | 07/13/21 17:07 |
| SV10-5 | 2107188-13 | Soil | 07/13/21 09:32 | 07/13/21 17:07 |
| SV10-10 | 2107188-14 | Soil | 07/13/21 09:36 | 07/13/21 17:07 |
| SV10-15 | 2107188-15 | Soil | 07/13/21 09:52 | 07/13/21 17:07 |
| SV11-5 | 2107188-16 | Soil | 07/13/21 10:16 | 07/13/21 17:07 |



Mearns Consulting LLC 738 Ashland Avenue Santa Monica CA, 90405 Project: Town Center Northwest

Project Number: [none]
Project Manager: Susan Mearns

Reported: 07/22/21 13:51

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| SV11-10 | 2107188-17 | Soil | 07/13/21 10:20 | 07/13/21 17:07 |
| SV11-15 | 2107188-18 | Soil | 07/13/21 10:26 | 07/13/21 17:07 |
| SV12-5 | 2107188-19 | Soil | 07/13/21 10:49 | 07/13/21 17:07 |
| SV12-10 | 2107188-20 | Soil | 07/13/21 10:58 | 07/13/21 17:07 |
| SV12-15 | 2107188-21 | Soil | 07/13/21 11:07 | 07/13/21 17:07 |
| SV13-5 | 2107188-22 | Soil | 07/13/21 11:26 | 07/13/21 17:07 |
| SV13-10 | 2107188-23 | Soil | 07/13/21 11:31 | 07/13/21 17:07 |
| SV13-15 | 2107188-24 | Soil | 07/13/21 11:38 | 07/13/21 17:07 |
| SV14-5 | 2107188-25 | Soil | 07/13/21 12:49 | 07/13/21 17:07 |
| SV14-10 | 2107188-26 | Soil | 07/13/21 12:54 | 07/13/21 17:07 |
| SV14-15 | 2107188-27 | Soil | 07/13/21 13:01 | 07/13/21 17:07 |
| SV15-5 | 2107188-28 | Soil | 07/13/21 13:19 | 07/13/21 17:07 |
| SV15-10 | 2107188-29 | Soil | 07/13/21 13:23 | 07/13/21 17:07 |
| SV15-15 | 2107188-30 | Soil | 07/13/21 13:27 | 07/13/21 17:07 |
| SV16-5 | 2107188-31 | Soil | 07/13/21 13:54 | 07/13/21 17:07 |
| SV16-10 | 2107188-32 | Soil | 07/13/21 13:57 | 07/13/21 17:07 |
| SV16-15 | 2107188-33 | Soil | 07/13/21 14:00 | 07/13/21 17:07 |



Mearns Consulting LLC 738 Ashland Avenue Santa Monica CA, 90405 Project: Town Center Northwest

Project Number: [none]
Project Manager: Susan Mearns

Reported: 07/22/21 13:51

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|---------------------|
| SV17-5 | 2107188-34 | Soil | 07/13/21 14:44 | 07/13/21 17:07 |
| | | | | |
| SV17-10 | 2107188-35 | Soil | 07/13/21 14:48 | 07/13/21 17:07 |
| 01/15 15 | 2107100 24 | a " | 07/10/01 14 50 | 05/10/01 15 05 |
| SV17-15 | 2107188-36 | Soil | 07/13/21 14:53 | 07/13/21 17:07 |
| SV18-5 | 2107188-37 | Soil | 07/13/21 15:19 | 07/13/21 17:07 |
| | | | | |
| SV18-10 | 2107188-38 | Soil | 07/13/21 15:25 | 07/13/21 17:07 |
| | | | | |
| SV18-15 | 2107188-39 | Soil | 07/13/21 15:29 | 07/13/21 17:07 |
| SV19-5 | 2107188-40 | Soil | 07/13/21 15:49 | 07/13/21 17:07 |
| 3 17-5 | 210/100-40 | 3011 | 07/13/21 13:49 | 0 // 13/21 1 / .0 / |
| SV19-10 | 2107188-41 | Soil | 07/13/21 15:54 | 07/13/21 17:07 |
| | | | | |
| SV19-15 | 2107188-42 | Soil | 07/13/21 15:59 | 07/13/21 17:07 |



Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| | | | Sicirari | iiaiy ticai | Laus, III | | | | | |
|-------------------------|----------------------------|-----------|--------------------|-------------|-----------|--------------|----------|----------------|-----------|------|
| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| SV6-5 (2107188-01) Soil | Sampled: 07/13/21 07:35 | Received: | 07/13/21 17:0 | 7 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 83 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 7.6 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 14 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1417 | 07/14/21 | 07/19/21 15:20 | EPA 7199A | |
| Copper | | 14 | 5.0 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1414 | 07/14/21 | 07/16/21 20:28 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Nickel | | 8.5 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 24 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 28 | 7.0 | " | " | " | " | " | " | |
| SV6-10 (2107188-02) So | il Sampled: 07/13/21 07:44 | Received: | : 07/13/21 17: | 07 | | | | | | |
| Silver | F | ND | 2.0 | mg/kg | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Arsenic | | ND | 5.5 | mg/kg | " | B101411 | " | " | " | |
| Barium | | 66 | 6.0 | " | ,, | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | ,, | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | ,, | " | " | " | " | |
| Cobalt | | 6.4 | 3.3 | " | ,, | " | " | " | " | |
| Chromium | | 21 | 2.3 | " | ,, | " | ,, | ,, | ,, | |
| Hexavalent Chromium | | ND | 0.10 | " | ,, | B1G1417 | 07/14/21 | 07/19/21 15:20 | EPA 7199A | |
| | | 16 | 5.0 | " | " | B1G1417 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Copper Mercury | | ND | 0.90 | ,, | " | B1G1411 | 07/14/21 | 07/16/21 20:28 | EPA 7471A | |
| Molybdenum | | ND ND | 5.2 | ,, | " | B1G1414 | 07/14/21 | 07/10/21 20:28 | EPA 6010B | |
| Nickel | | ND 12 | 3.2 | ,, | " | BIG1411 " | 0//14/21 | 07/19/21 14:17 | EPA 0010B | |
| Lead | | ND | 7.1 | ,, | ,, | " | " | " | ,, | |
| | | ND ND | 7.1 8.0 | " | ,, | " | ,, | " | | |
| Antimony | | | | " | | " | " | " | " | |
| Selenium | | ND | 6.9 | " | | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | ," | " | |
| Vanadium | | 31 | 5.1 | | | " | " | " | " | |
| Zinc | | 40 | 7.0 | " | " | " | " | " | " | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reported:



Mearns Consulting LLCProject:Town Center Northwest738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| | | | | | 2405, 111 | | | | | |
|--------------------------|-------------------------|-----------|--------------------|-------|-----------|--------------|----------|----------------|------------------------|------|
| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| SV6-15 (2107188-03) Soil | Sampled: 07/13/21 07:51 | Received | : 07/13/21 17: | 07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 42 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 4.3 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 9.4 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1417 | 07/14/21 | 07/19/21 15:20 | EPA 7199A | |
| Copper | | 9.0 | 5.0 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1414 | 07/14/21 | 07/16/21 20:28 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Nickel | | 6.4 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 14 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 27 | 7.0 | " | " | " | " | " | " | |
| SV7-5 (2107188-04) Soil | Sampled: 07/13/21 08:15 | Received: | 07/13/21 17:0 | 7 | | | | | | |
| Silver | P | ND | 2.0 | mg/kg | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 73 | 6.0 | ,, | " | " | " | ,, | " | |
| Beryllium | | ND | 2.2 | ,, | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | ,, | " | " | " | " | " | |
| Cobalt | | 7.2 | 3.3 | ,, | " | " | " | ,, | " | |
| Chromium | | 16 | 2.3 | ,, | ,, | ,, | ,, | " | " | |
| Hexavalent Chromium | | ND | 0.10 | ,, | ,, | B1G1417 | 07/14/21 | 07/19/21 15:20 | EPA 7199A | |
| Copper | | 13 | 5.0 | ,, | ,, | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Mercury | | ND | 0.90 | ,, | ,, | B1G1411 | 07/14/21 | 07/16/21 20:28 | EPA 7471A | |
| Molybdenum | | ND ND | 5.2 | ,, | ,, | B1G1414 | 07/14/21 | 07/10/21 20:28 | EPA /4/1A EPA 6010B | |
| Nickel | | ND 11 | 3.2 | ,, | ,, | BIG1411 " | 0//14/21 | 07/19/21 14:17 | EPA 0010B | |
| Lead | | 7.2 | 7.1 | ,, | ,, | ,, | ,, | " | ,, | |
| | | 7.2 ND | 8.0 | " | , | ,, | , | | | |
| Antimony | | | 8.0 6.9 | ., | ,, | ,, | ,, | | " | |
| Selenium | | ND | | ., | " | " | " | ,, | " | |
| Thallium | | ND | 17 | " | " | " | " | ," | " | |
| Vanadium | | 27 | 5.1 | ., | " | ,, | " | " | " | |
| Zinc | | 34 | 7.0 | | ., | ., | ., | | | |



Mearns Consulting LLCProjectTown Center Northwest738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|-------------------------|-----------------------------|---|----------|------------------------|--|---|---|--|--|
| Sampled: 07/13/21 08:25 | Received: | 07/13/21 17: | 07 | | | | | | |
| | ND | 2.0 | mg/kg | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| | ND | 5.5 | " | " | " | " | " | " | |
| | 50 | 6.0 | " | " | " | " | " | " | |
| | ND | 2.2 | " | " | " | " | " | " | |
| | ND | 2.5 | " | " | " | " | " | " | |
| | 6.6 | 3.3 | " | " | " | " | " | " | |
| | 13 | 2.3 | " | " | " | " | " | " | |
| | ND | 0.10 | " | " | B1G1417 | 07/14/21 | 07/19/21 15:20 | EPA 7199A | |
| | 11 | 5.0 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| | ND | 0.90 | " | " | B1G1414 | 07/14/21 | 07/16/21 20:28 | EPA 7471A | |
| | ND | 5.2 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| | 7.6 | 3.0 | " | " | " | " | " | " | |
| | ND | 7.1 | " | " | " | " | " | " | |
| | ND | 8.0 | " | " | " | " | " | " | |
| | ND | | " | " | " | " | " | " | |
| | ND | | " | " | ,, | " | " | " | |
| | | | " | " | ,, | ,, | " | " | |
| | 25 | 7.0 | " | " | " | " | " | " | |
| Sampled: 07/13/21 08:30 | Received | 07/13/21 17: | 07 | | | | | | |
| | ND | 2.0 | mg/kg | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| | ND | | " | " | " | " | " | " | |
| | 37 | | " | " | " | " | " | " | |
| | | | " | " | ,, | ,, | " | " | |
| | | | " | " | ,, | ,, | " | " | |
| | | | " | " | ,, | ,, | " | " | |
| | | | " | " | ,, | ,, | " | " | |
| | ND | 0.10 | " | " | B1G1417 | 07/14/21 | 07/19/21 15:20 | EPA 7199A | |
| | 8.4 | 5.0 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| | ٠ | 2.0 | | | | 07/14/21 | 07/16/21 20:28 | EPA 7471A | |
| | ND | 0.90 | " | " | B1G1414 | | 07/10/21 20:20 | | |
| | ND ND | 0.90 | " | " | B1G1414 B1G1411 | | | | |
| | ND | 5.2 | | | B1G1414 B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| | ND 6.7 | 5.2 3.0 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| | ND 6.7 ND | 5.2 3.0 7.1 | " | " | B1G1411 " | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| | ND 6.7 ND ND | 5.2 3.0 7.1 8.0 | " | " " | B1G1411 " " | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| | ND 6.7 ND ND ND | 5.2 3.0 7.1 8.0 6.9 | " " | " " | B1G1411 " " | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| | ND 6.7 ND ND | 5.2 3.0 7.1 8.0 | " " " " | " " " " | B1G1411 " " " " | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| | | Sampled: 07/13/21 08:25 Received: ND ND S0 ND ND ND ND ND ND ND ND ND ND ND ND ND | ND 2.0 | Result Limit Units | Sampled: 07/13/21 08:25 Received: 07/13/21 17:07 ND 2.0 mg/kg 1 ND 5.5 " " ND 2.2 " " ND 2.5 " " ND 2.5 " " ND 0.10 " " ND 0.10 " " ND 0.90 " " ND 5.2 " " ND 7.1 " " ND 7.1 " " ND 6.9 " " ND 17 " " 19 5.1 " " 25 7.0 " " Sampled: 07/13/21 08:30 Received: 07/13/21 17:07 " " ND 2.0 mg/kg 1 ND 5.5 " " ND 2.2 " " ND | Sampled: 07/13/21 08:25 Received: 07/13/21 17:07 Dilution Batch ND 2.0 mg/kg 1 B1G1411 ND 5.5 " " " 50 6.0 " " " ND 2.2 " " " ND 2.5 " " " 13 2.3 " " " ND 0.10 " " B1G1417 11 5.0 " " B1G1417 ND 0.10 " " B1G1417 ND 0.90 " " B1G1414 ND 5.2 " " B1G1411 ND 5.2 " " " " ND 6.9 " " " " ND 17 " " " " ND 2.0 mg/kg 1 B1G1411 ND | Sampled: 07/13/21 08:25 Received: 07/13/21 17:07 Dilution Batch Prepared ND 2.0 mg/kg 1 BIG1411 07/14/21 ND 5.5 " " " " ND 2.2 " " " " ND 2.5 " " " " 6.6 3.3 " " " " ND 0.10 " " BIG1417 07/14/21 11 5.0 " " BIG1411 07/14/21 ND 0.10 " " BIG1411 07/14/21 ND 0.10 " " BIG1411 07/14/21 ND 5.2 " " BIG1411 07/14/21 ND 7.1 " " " " ND 7.1 " " " " ND 5.1 " " " " | Sampled: 07/13/21 08:25 Received: 07/13/21 17:07 Units Dilution Batch Prepared Analyzed ND 2.0 mg/kg 1 B1G1411 07/14/21 07/19/21 14:17 ND 5.5 " " " " " 50 6.0 " " " " " ND 2.2 " " " " " ND 2.5 " " " " " 13 2.3 " " " " " ND 0.10 " " B1G1417 07/14/21 07/19/21 18:20 11 5.0 " " B1G1411 07/14/21 07/19/21 14:17 ND 0.90 " " B1G1411 07/14/21 07/19/21 14:17 " ND 7.1 " " " " " ND 6.9 " " " " | ND 2.0 mg/kg 1 B1G141 07/14/21 07/19/21 14:17 EPA 6010B ND 2.0 mg/kg 1 B1G141 07/14/21 07/19/21 14:17 EPA 6010B ND 2.2 " " " " " " " " " " " " " " " " " " |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|-------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV8-5 (2107188-07) Soil | Sampled: 07/13/21 08:56 | Received: | 07/13/21 17:07 | 7 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 30 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | ND | 3.3 | " | " | " | " | " | " | |
| Chromium | | 5.7 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1417 | 07/14/21 | 07/19/21 15:20 | EPA 7199A | |
| Copper | | 7.8 | 5.0 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1414 | 07/14/21 | 07/16/21 20:28 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Nickel | | 4.0 | 3.0 | " | " | " | " | " | " | |
| Lead | | 19 | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 9.1 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 26 | 7.0 | " | " | " | " | " | " | |
| SV8-10 (2107188-08) Soi | Sampled: 07/13/21 08:58 | Received | 1: 07/13/21 17:0 |)7 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 58 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 10 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 12 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1417 | 07/14/21 | 07/19/21 15:20 | EPA 7199A | |
| Copper | | 11 | 5.0 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1414 | 07/14/21 | 07/16/21 20:28 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Nickel | | 7.8 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 21 | 5.1 | " | " | " | " | " | " | |
| | | | | | | | | | | |



Santa Monica CA, 90405 Project Manager: Susan Mearns

Reported: 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | No |
|--------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|----|
| SV8-15 (2107188-09) Soil | Sampled: 07/13/21 09:06 | Received | : 07/13/21 17:0 | 07 | | | | | | |
| Silver | <u> </u> | ND | 2.0 | mg/kg | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 50 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 4.6 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 17 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1417 | 07/14/21 | 07/19/21 15:20 | EPA 7199A | |
| Copper | | 12 | 5.0 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Mercury | | ND | 0.81 | " | " | B1G1414 | 07/14/21 | 07/16/21 20:28 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Nickel | | 9.8 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Γhallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 19 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 29 | 7.0 | " | " | " | " | " | " | |
| SV9-5 (2107188-10) Soil | Sampled: 07/13/21 09:19 | Received: | 07/13/21 17:0' | 7 | | | | | | |
| Silver | • | ND | 2.0 | mg/kg | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Arsenic | | ND | 5.5 | mg/kg | " | BIGITII | " | " | " | |
| Barium | | 3100 | 6.0 | " | " | ,, | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | ,, | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | ,, | " | " | " | |
| Cobalt | | 5.1 | 3.3 | " | " | ,, | ,, | " | " | |
| Chromium | | 26 | 2.3 | ,, | " | ,, | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | ,, | " | B1G1417 | 07/14/21 | 07/19/21 15:20 | EPA 7199A | |
| Copper | | 31 | 5.0 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1411 | 07/14/21 | 07/16/21 20:28 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | ,, | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Nickel | | 20 | 3.2 | " | ,, | " | 0//14/21 | 0//19/21 14.1/ | " " | |
| Nickei Lead | | 24 | 7.1 | " | ,, | ,, | ,, | " | " | |
| Antimony | | ND | 8.0 | " | " | " | ,, | ,, | " | |
| Selenium | | ND ND | 6.9 | " | " | " | " | ,, | " | |
| Seienium Fhallium | | ND ND | 6.9 17 | | " | ,, | | ,, | ,, | |
| r namum Vanadium | | 28 | 5.1 | ,, | " | ,, | | " | ,, | |
| vanagium Zinc | | 28 73 | 7.0 | ,, | | ,, | | | | |
| | | 7.5 | 7.0 | | ** | | ., | | | |



Santa Monica CA, 90405 Project Manager: Susan Mearns

Reported: 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|-------------------------|--|--|---|---|---|---|--|---|------|
| SV9-10 (2107188-11) Soil | Sampled: 07/13/21 09:22 | Received: | 07/13/21 17: | 07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 77 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 6.2 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 17 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1417 | 07/14/21 | 07/19/21 15:20 | EPA 7199A | |
| Copper | | 12 | 5.0 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1414 | 07/14/21 | 07/16/21 20:28 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Nickel | | 8.3 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | ,, | " | " | |
| Vanadium | | 23 | 5.1 | " | " | " | ,, | " | " | |
| Zinc | | 27 | 7.0 | " | " | " | ,, | " | " | |
| CVO 15 (2107100 12) C-11 | C1- J. 07/12/21 00:24 | | 07/12/21 17. | 07 | | | | | | |
| | Sampled: 07/13/21 09:24 | | 0//13/21 1/: | U / | | | | | | |
| Silver | | | | | | | | | | |
| | | ND | 2.0 | mg/kg | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | ND 110 | 5.5 6.0 | " | " | " | " | " | " | |
| Barium | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | ND 110 | 5.5 6.0 | " | " | " | " | " | " | |
| Barium Beryllium | | ND 110 ND | 5.5 6.0 2.2 | " | " | " | " | " " " | " " | |
| Barium Beryllium Cadmium | | ND 110 ND ND | 5.5 6.0 2.2 2.5 | " | " | " " " | " " | " " " " | " " " " | |
| Barium Beryllium Cadmium Cobalt | | ND 110 ND ND 10 | 5.5 6.0 2.2 2.5 3.3 | " " " " | | " | " " " | n n n | " " " " | |
| Barium Beryllium Cadmium Cobalt Chromium | | ND 110 ND ND 10 30 | 5.5 6.0 2.2 2.5 3.3 2.3 | " | " | " | " " " " | " " " " " | " | |
| Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium | | ND 110 ND ND 10 30 ND | 5.5 6.0 2.2 2.5 3.3 2.3 0.10 | " " " " " " | " | " " " " B1G1417 | """"""""""""""""""""""""""""""""""""""" | " " " " 07/19/21 15:20 | " " " " EPA 7199A | |
| Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper | | ND 110 ND ND 10 30 ND | 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 | " " " " " " " " " " " " " " " " " " " | " | " " " " B1G1417 | " " " 07/14/21 | " " " 07/19/21 15:20 07/19/21 14:17 | " " " EPA 7199A EPA 6010B | |
| Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury | | ND 110 ND ND 10 30 ND 17 ND | 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 | "" "" "" "" "" "" "" "" "" "" "" "" "" | " | " " " BIG1417 B1G1411 B1G1414 | """""""""""""""""""""""""""""""""""""" | "" "" 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 | " " " EPA 7199A EPA 6010B EPA 7471A | |
| Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum | | ND 110 ND ND 10 30 ND 17 ND ND ND ND | 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 | "" "" "" "" "" "" "" "" "" "" "" "" "" | " | " " " BIG1417 BIG1411 BIG1414 BIG1411 | 07/14/21 07/14/21 07/14/21 07/14/21 | """""""""""""""""""""""""""""""""""""" | " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel | | ND 110 ND ND 10 30 ND 17 ND ND 16 | 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 | | "" "" "" "" "" "" "" "" "" "" "" "" "" | " " " B1G1417 B1G1411 B1G1414 B1G1411 " | 07/14/21 07/14/21 07/14/21 07/14/21 | """""""""""""""""""""""""""""""""""""" | " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead | | ND 110 ND ND 10 30 ND 17 ND ND 16 ND | 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 | | "" "" "" "" "" "" "" "" "" "" "" "" "" | " " " BIG1417 BIG1411 BIG1414 BIG1411 " | 07/14/21 07/14/21 07/14/21 07/14/21 | 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 | " " " EPA 7199A EPA 6010B EPA 6010B " " | |
| Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony | | ND 110 ND ND 10 30 ND 17 ND ND 16 ND ND | 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 | | | " " " B1G1417 B1G1411 B1G1414 B1G1411 " " | 07/14/21 07/14/21 07/14/21 07/14/21 | 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 | " " EPA 7199A EPA 6010B EPA 6010B " " | |
| Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium | | ND 110 ND ND 10 30 ND 17 ND ND 16 ND ND ND ND ND ND ND ND ND ND ND ND ND | 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 6.9 | | | " " " BIG1417 BIG1411 BIG1414 BIG1411 " " | 07/14/21 07/14/21 07/14/21 07/14/21 " | 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 | " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " " | |



Santa Monica CA, 90405 Project Manager: Susan Mearns

Reported: 07/22/21 13:51

$Metals\ by\ EPA\ 6000/7000\ Series\ Methods$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | No |
|---|---|---|---|---|--|---|--|---|----|
| SV10-5 (2107188-13) Soil S | Sampled: 07/13/21 09:32 Received | d: 07/13/21 17: | :07 | | | | | | |
| Silver | ND | 2.0 | mg/kg | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Arsenic | ND | 5.5 | " | " | " | " | " | " | |
| Barium | 650 | 6.0 | " | " | " | " | " | " | |
| Beryllium | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | 10 | 3.3 | " | " | " | " | " | " | |
| Chromium | 25 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | ND | 0.10 | " | " | B1G1417 | 07/14/21 | 07/19/21 15:20 | EPA 7199A | |
| Copper | 31 | 5.0 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Mercury | ND | 0.90 | " | " | B1G1414 | 07/14/21 | 07/16/21 20:28 | EPA 7471A | |
| Molybdenum | ND | 5.2 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Nickel | 24 | 3.0 | " | " | " | " | " | " | |
| Lead | 42 | 7.1 | " | " | " | " | " | " | |
| Antimony | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | ND | 17 | " | " | " | " | " | " | |
| Vanadium | 36 | 5.1 | " | " | " | " | " | " | |
| Zinc | 100 | 7.0 | " | " | " | " | " | " | |
| SV10-10 (2107188-14) Soil | Sampled: 07/13/21 09:36 Receiv | ed: 07/13/21 1 | 7:07 | | | | | | |
| Silver | ND | 2.0 | mg/kg | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Arsenic | ND | 5.5 | " | " | " | " | " | " | |
| Barium | 49 | 6.0 | " | | " | ,, | " | " | |
| Beryllium | | | | " | | | | | |
| | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | 2.2 2.5 | | " | | | | " | |
| | ND ND 4.9 | | " | " | " | " | " | " | |
| Cobalt | ND 4.9 | 2.5 3.3 | " | " | " | " | " | " | |
| Cobalt Chromium | ND 4.9 10 | 2.5 3.3 2.3 | " " | " " | " " " | " " | " " " | " " " | |
| Cobalt Chromium Hexavalent Chromium | ND 4.9 10 ND | 2.5 3.3 | " " " | " " " | " | " " | " " | " " | |
| C obalt C hromium Hexavalent Chromium C opper | ND 4.9 10 ND 8.3 | 2.5 3.3 2.3 0.10 5.0 | " " " " | " | " " " B1G1417 | " " 07/14/21 07/14/21 | " " " 07/19/21 15:20 07/19/21 14:17 | " " EPA 7199A EPA 6010B | |
| Cobalt Chromium Hexavalent Chromium Copper Mercury | ND 4.9 10 ND | 2.5 3.3 2.3 0.10 5.0 0.79 | " | " | " " " B1G1417 B1G1411 | " " " 07/14/21 | " " " 07/19/21 15:20 | " " " EPA 7199A | |
| Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum | ND 4.9 10 ND 8.3 ND ND | 2.5 3.3 2.3 0.10 5.0 0.79 5.2 | " | " | " " " B1G1417 B1G1411 | 07/14/21 07/14/21 07/14/21 | " " " 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 | " " EPA 7199A EPA 6010B EPA 7471A | |
| Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel | ND 4.9 10 ND 8.3 ND ND 6.0 | 2.5 3.3 2.3 0.10 5.0 0.79 5.2 3.0 | " | " | " " " B1G1417 B1G1411 B1G1414 B1G1411 | 07/14/21 07/14/21 07/14/21 07/14/21 | " " 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 | " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead | ND 4.9 10 ND 8.3 ND ND ND ND ND | 2.5 3.3 2.3 0.10 5.0 0.79 5.2 3.0 7.1 | " | " | " " BIG1417 BIG1411 BIG1414 BIG1411 | 07/14/21 07/14/21 07/14/21 07/14/21 | " 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 | " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " | |
| Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony | ND 4.9 10 ND 8.3 ND ND ND ND ND 6.0 ND ND | 2.5 3.3 2.3 0.10 5.0 0.79 5.2 3.0 7.1 8.0 | " | " | " " BIG1417 BIG1411 BIG1414 BIG1411 " | 07/14/21 07/14/21 07/14/21 07/14/21 " | 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 | " " EPA 7199A EPA 6010B EPA 6010B " " | |
| Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium Thallium | ND 4.9 10 ND 8.3 ND ND ND ND ND ND ND ND ND ND ND | 2.5 3.3 2.3 0.10 5.0 0.79 5.2 3.0 7.1 8.0 6.9 | " | " | " " BIG1417 BIG1411 BIG1414 BIG1411 " " | 07/14/21 07/14/21 07/14/21 07/14/21 " | 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 | " " EPA 7199A EPA 6010B EPA 6010B " " | |
| Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony | ND 4.9 10 ND 8.3 ND ND ND ND ND 6.0 ND ND | 2.5 3.3 2.3 0.10 5.0 0.79 5.2 3.0 7.1 8.0 | | | " " " B1G1417 B1G1411 B1G1414 B1G1411 " " | 07/14/21 07/14/21 07/14/21 07/14/21 " | 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 | " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " " | |



Mearns Consulting LLCProject:Town Center Northwest738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV10-15 (2107188-15) Soil | Sampled: 07/13/21 09:52 | Received | 1: 07/13/21 17 | :07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 81 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 11 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 21 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1417 | 07/14/21 | 07/19/21 15:20 | EPA 7199A | |
| Copper | | 15 | 5.0 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Mercury | | ND | 0.79 | " | " | B1G1414 | 07/14/21 | 07/16/21 20:28 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Nickel | | 13 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 36 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 42 | 7.0 | " | " | " | " | " | " | |
| SV11-5 (2107188-16) Soil | Sampled: 07/13/21 10:16 | Received: | 07/13/21 17:0 | 07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 150 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 10 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 19 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1417 | 07/14/21 | 07/19/21 15:20 | EPA 7199A | |
| Copper | | 21 | 5.0 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Mercury | | ND | 0.78 | " | " | B1G1414 | 07/14/21 | 07/16/21 20:28 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| | | 15 | 3.0 | " | " | " | " | " | " | |
| Nickel | | | | | " | " | " | " | " | |
| • | | 17 | 7.1 | " | " | | | | | |
| Nickel | | 17 ND | 7.1 8.0 | " | " | " | " | " | " | |
| Nickel Lead | | | | | | | " | " | " | |
| Nickel Lead Antimony | | ND | 8.0 | " | " | " | | | | |
| Nickel Lead Antimony Selenium | | ND ND | 8.0 6.9 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| | | Danastina | | | | | | | |
|-------------------------|---|--|---|---|---|--|--|---|--|
| | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| Sampled: 07/13/21 10:20 | Received: 0 | 7/13/21 17 | ':07 | | | | | | |
| | ND | 2.0 | mg/kg | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| | ND | 5.5 | " | " | " | " | " | " | |
| | 130 | 6.0 | " | " | " | " | " | " | |
| | ND | 2.2 | " | " | " | " | " | " | |
| | ND | 2.5 | " | " | " | " | " | " | |
| | 8.5 | 3.3 | " | " | " | " | " | " | |
| | 15 | 2.3 | " | " | " | " | " | " | |
| | ND | 0.10 | " | " | B1G1417 | 07/14/21 | 07/19/21 15:20 | EPA 7199A | |
| | 10 | 5.0 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| | ND | 0.90 | " | " | B1G1414 | 07/14/21 | 07/16/21 20:28 | EPA 7471A | |
| | ND | 5.2 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| | 8.1 | 3.0 | " | " | " | " | " | " | |
| | ND | 7.1 | " | " | " | " | " | " | |
| | ND | 8.0 | " | " | " | " | " | " | |
| | ND | 6.9 | " | " | " | " | " | " | |
| | ND | 17 | " | " | " | " | " | " | |
| | 23 | 5.1 | " | " | " | ,, | " | " | |
| | 28 | 7.0 | " | " | " | " | " | " | |
| Sampled: 07/13/21 10:26 | Received: 0 | 7/13/21 17 | ':07 | | | | | | |
| | | | | | | | | | |
| | ND | 2.0 | | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| | ND ND | 2.0 5.5 | mg/kg | 1 " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| | ND | 5.5 | mg/kg | | | | | | |
| | ND 64 | 5.5 6.0 | mg/kg | " | " | " | " | " | |
| | ND | 5.5 6.0 2.2 | mg/kg " | " | " | " | " | " | |
| | ND 64 ND ND | 5.5 6.0 2.2 2.5 | mg/kg " " | " " | " | " " | " " | " " | |
| | ND 64 ND ND 6.0 | 5.5 6.0 2.2 | mg/kg " " | " " | " " | " " | " " " " | " " " " | |
| | ND 64 ND ND | 5.5 6.0 2.2 2.5 3.3 | mg/kg " " " " | " " " | " | " " " " " | " " " " " | " | |
| | ND 64 ND ND 6.0 19 ND | 5.5 6.0 2.2 2.5 3.3 2.3 0.10 | mg/kg | " | " " " " B1G1417 | """"""""""""""""""""""""""""""""""""""" | " " " " 07/19/21 15:20 | " " " " EPA 7199A | |
| | ND 64 ND ND 6.0 19 ND | 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 | mg/kg | " | " " " " B1G1417 | " " " 07/14/21 | " " " 07/19/21 15:20 07/19/21 14:17 | " " " EPA 7199A EPA 6010B | |
| | ND 64 ND ND 6.0 19 ND 11 ND | 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 | mg/kg | " | " " " " BIG1417 BIG1411 BIG1414 | """""""""""""""""""""""""""""""""""""" | "" "" 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 | " " " EPA 7199A EPA 6010B EPA 7471A | |
| | ND 64 ND ND 6.0 19 ND 11 ND ND | 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 | mg/kg | " | " " " " B1G1417 | " " " 07/14/21 | " " " 07/19/21 15:20 07/19/21 14:17 | " " " EPA 7199A EPA 6010B | |
| | ND 64 ND ND 6.0 19 ND 11 ND ND 11 | 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 | mg/kg | " | " " " BIG1417 BIG1411 BIG1414 BIG1411 | """""""""""""""""""""""""""""""""""""" | """""""""""""""""""""""""""""""""""""" | " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| | ND 64 ND ND 6.0 19 ND 11 ND ND ND ND ND ND ND ND ND ND ND ND ND | 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 | mg/kg | "" "" "" "" "" "" "" "" "" "" "" "" "" | " " " BIG1417 BIG1411 BIG1414 BIG1411 | 07/14/21 07/14/21 07/14/21 07/14/21 | """""""""""""""""""""""""""""""""""""" | " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| | ND 64 ND ND 6.0 19 ND 11 ND ND ND ND ND ND ND ND ND ND ND | 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 | mg/kg | "" "" "" "" "" "" "" "" "" "" "" "" "" | " " " BIG1417 BIG1411 BIG1414 BIG1411 " | 07/14/21 07/14/21 07/14/21 07/14/21 " | 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 | " " " EPA 7199A EPA 6010B EPA 6010B " " | |
| | ND 64 ND ND 6.0 19 ND 11 ND ND ND ND ND ND ND ND ND ND ND ND ND | 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 6.9 | mg/kg | | " " " BIG1417 BIG1411 BIG1414 BIG1411 " " | 07/14/21 07/14/21 07/14/21 07/14/21 " | 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 | " " EPA 7199A EPA 6010B EPA 6010B " " | |
| | ND 64 ND ND 6.0 19 ND 11 ND ND ND ND ND ND ND ND ND ND ND | 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 | mg/kg | | " " " BIG1417 BIG1411 BIG1414 BIG1411 " " | 07/14/21 07/14/21 07/14/21 07/14/21 " | 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 | " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " " | |
| | Sampled: 07/13/21 10:20 | ND ND 130 ND ND ND 8.5 15 ND 10 ND ND ND ND ND ND ND 23 28 | Sampled: 07/13/21 10:20 Received: 07/13/21 17 ND 2.0 ND 5.5 130 6.0 ND 2.2 ND 2.5 8.5 3.3 15 2.3 ND 0.10 10 5.0 ND 0.90 ND 5.2 8.1 3.0 ND 7.1 ND 8.0 ND 6.9 ND 17 23 5.1 28 7.0 | ND 2.0 mg/kg ND 5.5 " 130 6.0 " ND 2.5 " ND 2.3 " ND 2.5 " ND 2.5 " ND 2.5 " ND 2.5 " ND 0.10 " ND 0.10 " ND 0.90 " ND 0.90 " ND 0.90 " ND 7.1 " ND 8.0 " ND 6.9 " ND 17 " 23 5.1 " | Result Limit Units Dilution | Result Limit Units Dilution Batch Sampled: 07/13/21 10:20 Received: 07/13/21 17:07 Total Control of the product of | Result Limit Units Dilution Batch Prepared Sampled: 07/13/21 10:20 Received: 07/13/21 17:07 Dilution Batch Prepared ND 2.0 mg/kg 1 B1G1411 07/14/21 ND 5.5 " " " " ND 2.2 " " " " ND 2.5 " " " " ND 2.5 " " " " ND 2.5 " " " " ND 0.10 " " B1G1417 07/14/21 ND 5.0 " " B1G1417 07/14/21 ND 5.2 " " B1G1411 07/14/21 ND 5.2 " " B1G1411 07/14/21 ND 7.1 " " " " ND 7.1 " " " | Result Limit Units Dilution Batch Prepared Analyzed Sampled: 07/13/21 10:20 Received: 07/13/21 17:07 ND 2.0 mg/kg 1 B1G1411 07/14/21 07/19/21 14:17 ND 5.5 " " " " " ND 2.2 " " " " " ND 2.5 " " " " " " ND 0.10 " " B1G1417 07/14/21 07/19/21 15:20 ND 0.5 " " B1G1411 07/14/21 07/19/21 14:17 ND 5.2 " " B1G1411 07/14/21 07/19/21 14:17 8.1 3.0 " | ND 2.0 mg/kg 1 B1G141 07/14/21 07/19/21 14:17 EPA 6010B ND 5.5 " " " " " " " " " " " " " " " " " " |



Santa Monica CA, 90405 Project Manager: Susan Mearns

Reported: 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|---|---|---|---|---|---|--|--|------|
| SV12-5 (2107188-19) Soil Sampled: 07/1 | 13/21 10:49 Received: | 07/13/21 17: | 07 | | | | | | |
| Silver | ND | 2.0 | mg/kg | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Arsenic | ND | 5.5 | " | " | " | " | " | " | |
| Barium | 83 | 6.0 | " | " | " | " | " | " | |
| Beryllium | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | 5.4 | 3.3 | " | " | " | " | " | " | |
| Chromium | 12 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | ND | 0.10 | " | " | B1G1417 | 07/14/21 | 07/19/21 15:20 | EPA 7199A | |
| Copper | 7.8 | 5.0 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Mercury | ND | 0.90 | " | " | B1G1414 | 07/14/21 | 07/16/21 20:28 | EPA 7471A | |
| Molybdenum | ND | 5.2 | " | " | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Nickel | 6.4 | 3.0 | " | " | " | " | " | " | |
| Lead | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | ND | 17 | " | " | ,, | ,, | ,, | " | |
| Vanadium | 18 | 5.1 | " | " | ,, | ,, | " | " | |
| Zinc | 23 | 7.0 | " | " | " | " | " | " | |
| SV12-10 (2107188-20) Soil Sampled: 07/ | /13/21 10:58 Received | : 07/13/21 17 | 7:07 | | | | | | |
| Silver | ND | 2.0 | mg/kg | 1 | B1G1411 | 07/14/21 | 07/19/21 14:17 | EPA 6010B | |
| Arsenic | ND | 5.5 | " | | ,, | ,, | " | ,, | |
| | | | | " | " | | | | |
| Barium | 46 | | ,, | " | " | ,, | " | " | |
| | 46 ND | 6.0 | | | | | " " | " | |
| Beryllium | ND | 6.0 2.2 | " | " | " | " | | | |
| Beryllium Cadmium | ND ND | 6.0 2.2 2.5 | " | " | " | " | " | " | |
| Barium Beryllium Cadmium Cobalt Chromium | ND ND 5.4 | 6.0 2.2 2.5 3.3 | " | " " | " | " " | " | " | |
| Beryllium Cadmium Cobalt Chromium | ND ND 5.4 10 | 6.0 2.2 2.5 3.3 2.3 | " " | " " " | " | " " " | " " " | " | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium | ND ND 5.4 10 ND | 6.0 2.2 2.5 3.3 | " " " " | " " " " | " " " B1G1417 | " " " 07/14/21 | " " 07/19/21 15:20 | " " " EPA 7199A | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper | ND ND 5.4 10 ND 6.7 | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 | " " " " " | " | " " " B1G1417 | " " " 07/14/21 | " " 07/19/21 15:20 07/19/21 14:17 | " " EPA 7199A EPA 6010B | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury | ND ND 5.4 10 ND 6.7 ND | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 | " | " | " " " B1G1417 B1G1411 B1G1414 | " " " 07/14/21 07/14/21 07/14/21 | " " 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 | " " EPA 7199A EPA 6010B EPA 7471A | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum | ND ND 5.4 10 ND 6.7 ND ND | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 | n n n | " | " " " B1G1417 | " " " 07/14/21 | " " 07/19/21 15:20 07/19/21 14:17 | " " EPA 7199A EPA 6010B | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel | ND ND 5.4 10 ND 6.7 ND ND ND | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 | " | " | " " " BIG1417 BIG1411 BIG1414 BIG1411 | " " " 07/14/21 07/14/21 07/14/21 07/14/21 | " " 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 | " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead | ND ND 5.4 10 ND 6.7 ND ND 5.7 ND | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 | " | " | " " " BIG1417 BIG1411 BIG1414 BIG1411 " | 07/14/21 07/14/21 07/14/21 07/14/21 | " " 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 | " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony | ND ND 5.4 10 ND 6.7 ND ND ND ND ND ND ND ND ND ND ND | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 | | " | " " " BIG1417 BIG1411 BIG1414 BIG1411 " | 07/14/21 07/14/21 07/14/21 07/14/21 " | 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 | " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium | ND ND 5.4 10 ND 6.7 ND ND ND ND ND ND ND ND ND ND ND ND | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 6.9 | | | " " " BIG1417 BIG1411 BIG1414 BIG1411 " | 07/14/21 07/14/21 07/14/21 07/14/21 " | 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 | " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " " | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead | ND ND 5.4 10 ND 6.7 ND ND ND ND ND ND ND ND ND ND ND | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 | | | " " " BIG1417 BIG1411 BIG1414 BIG1411 " " | 07/14/21 07/14/21 07/14/21 07/14/21 " | 07/19/21 15:20 07/19/21 14:17 07/16/21 20:28 07/19/21 14:17 | EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |



Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|---|---|---|---|--|---|--|---|------|
| SV12-15 (2107188-21) Soil Sampled: 07/13/21 11 | | | | | | 1 | | | |
| | | | | | | | | | |
| Silver | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | ND | 5.5 | " | " | " | " | " | " | |
| Barium | 32 | 6.0 | " | " | " | " | " | " | |
| Beryllium | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | 3.3 | 3.3 | " | " | " | " | " | " | |
| Chromium | 7.0 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | ND | 0.10 | " | " | B1G1418 | 07/14/21 | 07/19/21 16:44 | EPA 7199A | |
| Copper | ND | 5.0 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Mercury | ND | 0.90 | " | " | B1G1415 | 07/14/21 | 07/16/21 20:30 | EPA 7471A | |
| Molybdenum | ND | 5.2 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Nickel | 4.5 | 3.0 | " | " | " | " | " | " | |
| Lead | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | ND | 17 | " | " | " | " | " | " | |
| Vanadium | 9.2 | 5.1 | " | " | " | " | " | " | |
| Zinc | 16 | 7.0 | " | " | " | " | " | " | |
| SV13-5 (2107188-22) Soil Sampled: 07/13/21 11:2 | 26 Received: | 07/13/21 17: | 07 | | | | | | |
| Silver | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | ND | 5.5 | " | " | " | " | " | " | |
| Barium | 83 | 6.0 | " | " | " | " | " | " | |
| Beryllium | ND | 2.2 | | | | | | " | |
| - | | 2.2 | " | " | " | | ,, | " | |
| Cadmium | ND | 2.2 2.5 | " | " | " | " | | | |
| Cadmium Cobalt | | 2.5 | | | | | " | " | |
| Cobalt | 7.1 | 2.5 3.3 | " | " | " | " | " | " | |
| | | 2.5 | " | " | " | " | " " | " " | |
| Cobalt Chromium Hexavalent Chromium | 7.1 15 ND | 2.5 3.3 2.3 | " " | " " | " " B1G1418 | " " 07/14/21 | " " 07/19/21 16:44 | " " " EPA 7199A | |
| Cobalt Chromium Hexavalent Chromium Copper | 7.1 15 ND 9.8 | 2.5 3.3 2.3 0.10 5.0 | " " | " " | " " B1G1418 B1G1412 | " " 07/14/21 07/14/21 | " " 07/19/21 16:44 07/19/21 15:58 | " " EPA 7199A EPA 6010B | |
| Cobalt Chromium Hexavalent Chromium Copper Mercury | 7.1 15 ND 9.8 ND | 2.5 3.3 2.3 0.10 5.0 0.90 | " | " | " " B1G1418 B1G1412 B1G1415 | " " 07/14/21 07/14/21 | " " 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 | " " EPA 7199A EPA 6010B EPA 7471A | |
| Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum | 7.1 15 ND 9.8 ND ND | 2.5 3.3 2.3 0.10 5.0 0.90 5.2 | " | " " " " " | " " B1G1418 B1G1412 | " " 07/14/21 07/14/21 | " " 07/19/21 16:44 07/19/21 15:58 | " " EPA 7199A EPA 6010B | |
| Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel | 7.1 15 ND 9.8 ND ND 8.7 | 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 | " | " | " " B1G1418 B1G1412 B1G1415 B1G1412 | " " 07/14/21 07/14/21 07/14/21 | " " 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 | " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead | 7.1 15 ND 9.8 ND ND 8.7 ND | 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 | " | " " " " " " " " " " " " " " " " " " " | " " B1G1418 B1G1412 B1G1415 B1G1412 | 07/14/21 07/14/21 07/14/21 07/14/21 " | " " 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 | " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony | 7.1 15 ND 9.8 ND ND 8.7 ND | 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 | " | " | " " B1G1418 B1G1412 B1G1415 B1G1412 | 07/14/21 07/14/21 07/14/21 07/14/21 | " 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 " " | " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " | |
| Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium | 7.1 15 ND 9.8 ND ND ND 8.7 ND ND ND | 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 6.9 | " | | " B1G1418 B1G1412 B1G1415 B1G1412 " " | 07/14/21 07/14/21 07/14/21 07/14/21 " | 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 | " EPA 7199A EPA 6010B EPA 6010B " " " | |
| Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony | 7.1 15 ND 9.8 ND ND 8.7 ND | 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 | | | " " B1G1418 B1G1412 B1G1415 B1G1412 " " " | 07/14/21 07/14/21 07/14/21 07/14/21 " | 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 | " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " " | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reported:



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-------------------------|--|--|---|---|--|---|---|---|-------|
| SV13-10 (2107188-23) Soil | Sampled: 07/13/21 11:31 | Receive | d: 07/13/21 17 | :07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 100 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 5.7 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 21 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1418 | 07/14/21 | 07/19/21 16:44 | EPA 7199A | |
| Copper | | 13 | 5.0 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1415 | 07/14/21 | 07/16/21 20:30 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Nickel | | 10 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 26 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 37 | 7.0 | " | " | " | " | " | " | |
| SV13-15 (2107188-24) Soil | Sampled: 07/13/21 11:38 | Receive | d: 07/13/21 17 | :07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 46 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | | ,, | " | " | " | |
| | | | | | " | | | | | |
| Cobalt | | 4.5 | 3.3 | " | " | " | " | " | " | |
| | | 4.5 12 | | " | | " | " | " | " | |
| Chromium | | | 3.3 | | " | | | | | |
| Chromium Hexavalent Chromium | | 12 | 3.3 2.3 | " | " | " | " | " | " | |
| Chromium Hexavalent Chromium Copper | | 12 ND | 3.3 2.3 0.10 | " | " " | " B1G1418 | 07/14/21 | " 07/19/21 16:44 | " EPA 7199A | |
| Chromium Hexavalent Chromium Copper Mercury | | 12 ND 8.0 | 3.3 2.3 0.10 5.0 | " | " " | " B1G1418 B1G1412 | 07/14/21 07/14/21 | " 07/19/21 16:44 07/19/21 15:58 | " EPA 7199A EPA 6010B | |
| Chromium Hexavalent Chromium Copper Mercury Molybdenum | | 12 ND 8.0 ND | 3.3 2.3 0.10 5.0 0.90 | " " " | " | " B1G1418 B1G1412 B1G1415 | " 07/14/21 07/14/21 07/14/21 | " 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 | " EPA 7199A EPA 6010B EPA 7471A | |
| Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel | | 12 ND 8.0 ND ND | 3.3 2.3 0.10 5.0 0.90 5.2 | " " " | " | " B1G1418 B1G1412 B1G1415 B1G1412 | " 07/14/21 07/14/21 07/14/21 | " 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 | " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead | | 12 ND 8.0 ND ND ND | 3.3 2.3 0.10 5.0 0.90 5.2 3.0 | " | " | " B1G1418 B1G1412 B1G1415 B1G1412 | " 07/14/21 07/14/21 07/14/21 " | " 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 | " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " | |
| Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony | | 12 ND 8.0 ND ND 7.0 ND | 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 | " | | " B1G1418 B1G1412 B1G1415 B1G1412 " | " 07/14/21 07/14/21 07/14/21 07/14/21 " " | 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 | "EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium Thallium | | 12 ND 8.0 ND ND 7.0 ND ND ND | 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 6.9 | " " " " " " " " | | "B1G1418 B1G1412 B1G1415 B1G1412 | " 07/14/21 07/14/21 07/14/21 07/14/21 " " | 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 | "EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony | | 12 ND 8.0 ND ND 7.0 ND | 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 | | | "B1G1418 B1G1412 B1G1415 B1G1412 | " 07/14/21 07/14/21 07/14/21 07/14/21 " " " | " 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 " " " | "EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |



Santa Monica CA, 90405 Project Manager: Susan Mearns

Reported: 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | No |
|--|-------------------------------|--------------------------|-------|----------|---------|----------|----------------|-----------|----|
| SV14-5 (2107188-25) Soil Samp | led: 07/13/21 12:49 Received: | 07/13/21 17: | 07 | | | | | | |
| Silver | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | ND | 5.5 | " | " | " | " | " | " | |
| Barium | 50 | 6.0 | " | " | " | " | " | " | |
| Beryllium | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | 4.7 | 3.3 | " | " | " | " | " | " | |
| Chromium | 11 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | ND | 0.10 | " | " | B1G1418 | 07/14/21 | 07/19/21 16:44 | EPA 7199A | |
| Copper | 7.4 | 5.0 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Mercury | ND | 0.90 | " | " | B1G1415 | 07/14/21 | 07/16/21 20:30 | EPA 7471A | |
| Molybdenum | ND | 5.2 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Nickel | 5.9 | 3.0 | " | " | " | " | " | " | |
| Lead | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | ND | 17 | " | " | " | " | " | " | |
| Vanadium | 15 | 5.1 | " | " | " | " | " | " | |
| Zinc | 22 | 7.0 | " | " | " | " | " | " | |
| SV14-10 (2107188-26) Soil Sam | pled: 07/13/21 12:54 Received | : 07/13/21 17 | 7:07 | | | | | | |
| Silver | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | ND | 5.5 | " | " | " | " | " | " | |
| Barium | 88 | 6.0 | " | " | " | " | " | " | |
| Beryllium | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | 5.6 | 3.3 | " | " | " | " | " | " | |
| Chromium | 22 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | ND | 0.10 | " | " | B1G1418 | 07/14/21 | 07/19/21 16:44 | EPA 7199A | |
| Copper | 12 | 5.0 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Mercury | ND | 0.78 | " | " | B1G1415 | 07/14/21 | 07/16/21 20:30 | EPA 7471A | |
| | | 5.2 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| • | ND | | | | " | " | " | " | |
| Molybdenum | ND 9.1 | 3.0 | " | " | " | | | | |
| Molybdenum Nickel | | | " | " | " | " | " | " | |
| Molybdenum Nickel Lead | 9.1 | 3.0 | | | | " | " | " | |
| Molybdenum Nickel Lead Antimony | 9.1 26 | 3.0 7.1 | " | " | " | | | | |
| Molybdenum Nickel Lead Antimony Selenium Thallium | 9.1 26 ND ND | 3.0 7.1 8.0 6.9 | " | " | " | " | " | " | |
| Molybdenum Nickel Lead Antimony Selenium | 9.1 26 ND | 3.0 7.1 8.0 | " | " " | " | " | " | " | |



Mearns Consulting LLC

738 Ashland Avenue

Project: Town Center Northwest

Project Number: [none]

Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | 1 | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV14-15 (2107188-27) Soil | Sampled: 07/13/21 13:01 | Received | d: 07/13/21 17 | :07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 38 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 3.8 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 12 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1418 | 07/14/21 | 07/19/21 16:44 | EPA 7199A | |
| Copper | | 6.9 | 5.0 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Mercury | | ND | 0.79 | " | " | B1G1415 | 07/14/21 | 07/16/21 20:30 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Nickel | | 6.4 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 13 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 28 | 7.0 | " | " | " | " | " | " | |
| SV15-5 (2107188-28) Soil | Sampled: 07/13/21 13:19 | Received | : 07/13/21 17:0 | 07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 110 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 4.9 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 12 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1418 | 07/14/21 | 07/19/21 16:44 | EPA 7199A | |
| Copper | | 9.0 | 5.0 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Mercury | | ND | 0.79 | " | " | B1G1415 | 07/14/21 | 07/16/21 20:30 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Nickel | | 6.7 | 3.0 | " | " | " | " | " | " | |
| MICKEI | | ND | 7.1 | " | " | " | " | " | " | |
| Lead | | ND | , | | | | | | | |
| | | ND | 8.0 | " | " | " | " | " | " | |
| Lead | | | | " | " | " | " | " | " | |
| Lead Antimony | | ND | 8.0 | | | | | | | |
| Lead Antimony Selenium | | ND ND | 8.0 6.9 | " | " | " | " | " | " | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reported:



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | 1 | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-------------------------|-----------------------------------|---|-------------|---|-------------------------|---------------------------|---------------------------------------|-----------------------------|-------|
| SV15-10 (2107188-29) Soil | Sampled: 07/13/21 13:23 | Receive | d: 07/13/21 17 | ':07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 79 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 7.8 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 16 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1418 | 07/14/21 | 07/19/21 16:44 | EPA 7199A | |
| Copper | | 13 | 5.0 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1415 | 07/14/21 | 07/16/21 20:30 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Nickel | | 12 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 26 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 38 | 7.0 | " | " | " | " | " | " | |
| SV15-15 (2107188-30) Soil | Sampled: 07/13/21 13:27 | Receive | d: 07/13/21 17 | ':07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 64 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 4.9 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 11 | 2.3 | " | " | " | " | " | " | |
| II 1 (CL) | | ND | 0.10 | " | " | B1G1418 | 07/14/21 | 07/19/21 16:44 | EPA 7199A | |
| Hexavalent Chromium | | | | | | D101412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| | | 6.9 | 5.0 | " | " | B1G1412 | 0//14/21 | 0 // 1 // 21 10 10 0 | LITTOOTOD | |
| Copper | | 6.9 ND | 5.0 0.90 | " | " | B1G1412 B1G1415 | 07/14/21 | 07/16/21 20:30 | EPA 7471A | |
| Copper Mercury | | | | | | | | | | |
| Copper Mercury Molybdenum | | ND | 0.90 | " | " | B1G1415 | 07/14/21 | 07/16/21 20:30 | EPA 7471A | |
| Copper Mercury Molybdenum Nickel | | ND ND | 0.90 5.2 | " | " | B1G1415 B1G1412 | 07/14/21 07/14/21 | 07/16/21 20:30 07/19/21 15:58 | EPA 7471A EPA 6010B | |
| Copper Mercury Molybdenum Nickel Lead | | ND ND 7.7 | 0.90 5.2 3.0 | " | " | B1G1415 B1G1412 | 07/14/21 07/14/21 | 07/16/21 20:30 07/19/21 15:58 | EPA 7471A EPA 6010B | |
| Copper Mercury Molybdenum Nickel Lead Antimony | | ND ND 7.7 ND | 0.90 5.2 3.0 7.1 8.0 | " " | " " " | B1G1415 B1G1412 | 07/14/21 07/14/21 " | 07/16/21 20:30 07/19/21 15:58 | EPA 7471A EPA 6010B | |
| Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium Thallium | | ND ND 7.7 ND ND | 0.90 5.2 3.0 7.1 | " " " | " " " | B1G1415 B1G1412 " | 07/14/21 07/14/21 " | 07/16/21 20:30 07/19/21 15:58 | EPA 7471A EPA 6010B " | |
| Copper Mercury Molybdenum Nickel Lead Antimony Selenium | | ND ND 7.7 ND ND ND | 0.90 5.2 3.0 7.1 8.0 6.9 | " " " " | " | B1G1415 B1G1412 " | 07/14/21 07/14/21 " " " | 07/16/21 20:30 07/19/21 15:58 " | EPA 7471A EPA 6010B " | |



Mearns Consulting LLCProject:Town Center Northwest738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | R | esult | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV16-5 (2107188-31) Soil | | | | | | | | | | |
| · | | | | | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | | " | ., | ,, | " | |
| Barium | | 160 | 6.0 | " | ., | ,, | ,, | " | " | |
| Beryllium | | ND | 2.2 | " | ., | ,, | ,, | ,, | " | |
| Cadmium | | ND | 2.5 | ,, | ,, | ,, | ,, | ,, | " | |
| Cobalt | | 7.4 | 3.3 2.3 | ,, | | ,, | ,, | | ,, | |
| Chromium | | 17 ND | | ,, | ,, | | | | | |
| Hexavalent Chromium | | ND | 0.10 | " | ,, | B1G1418 | 07/14/21 | 07/19/21 16:44 | EPA 7199A | |
| Copper | | 20 | 5.0 | " | ,, | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | , | B1G1415 | 07/14/21 | 07/16/21 20:30 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | , | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Nickel | | 11 | 3.0 | " | ., | " | " | " | " | |
| Lead | | 19 | 7.1 | " | ., | ,, | ,, | " | " | |
| Antimony | | ND | 8.0 | " | | " | ., | , | " | |
| Selenium | | ND | 6.9 | " | | " | " | , | " | |
| Thallium | | ND | 17 | | | " | ., | ,, | " | |
| Vanadium | | 24 | 5.1 | " | " | | | " | | |
| Zinc | | 63 | 7.0 | " | " | " | " | " | " | |
| SV16-10 (2107188-32) Soil | Sampled: 07/13/21 13:57 | Received | 1: 07/13/21 17: | :07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 130 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 11 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 24 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1418 | 07/14/21 | 07/19/21 16:44 | EPA 7199A | |
| Copper | | 27 | 5.0 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1415 | 07/14/21 | 07/16/21 20:30 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Nickel | | 16 | 3.0 | " | " | " | " | " | " | |
| Lead | | 27 | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| | | | | | | | | | | |
| Vanadium | | 36 | 5.1 | " | " | " | " | " | " | |



Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | F | tesult | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|-------------------------|---|---|---|---|--|---|---|---|------|
| SV16-15 (2107188-33) Soil | Sampled: 07/13/21 14:00 | Received | 1: 07/13/21 17 | :07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 720 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 8.0 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 23 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1418 | 07/14/21 | 07/19/21 16:44 | EPA 7199A | |
| Copper | | 37 | 5.0 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1415 | 07/14/21 | 07/16/21 20:30 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Nickel | | 16 | 3.0 | " | " | " | " | " | " | |
| Lead | | 61 | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 28 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 90 | 7.0 | " | " | " | " | " | " | |
| SV17-5 (2107188-34) Soil | Sampled: 07/13/21 14:44 | Received: | 07/13/21 17: | 07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | | 20 | 5.5 | " | " | " | " | " | " | |
| Barium | | 88 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | | | | | | | | |
| Codmissm | | | 2.2 | " | " | " | " | " | " | |
| Caumium | | ND | 2.2 2.5 | " | " | " | " | " | " | |
| | | ND 6.7 | | | | | | | | |
| Cobalt | | | 2.5 | " | " | " | " | " | " | |
| Cobalt Chromium | | 6.7 | 2.5 3.3 | " | " | " | " | " | " " | |
| Cobalt Chromium Hexavalent Chromium | | 6.7 18 | 2.5 3.3 2.3 | " " | " " | " | " | n n | 11 11 | |
| Cobalt Chromium Hexavalent Chromium Copper | | 6.7 18 ND | 2.5 3.3 2.3 0.10 | " " | " " | " " B1G1418 | " " 07/14/21 | " " 07/19/21 16:44 | " " EPA 7199A | |
| Cobalt Chromium Hexavalent Chromium Copper Mercury | | 6.7 18 ND 47 | 2.5 3.3 2.3 0.10 5.0 | " " " | " | " " B1G1418 B1G1412 | " " 07/14/21 07/14/21 | " " 07/19/21 16:44 07/19/21 15:58 | " " EPA 7199A EPA 6010B | |
| Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum | | 6.7 18 ND 47 ND | 2.5 3.3 2.3 0.10 5.0 0.90 | " | " | " " B1G1418 B1G1412 B1G1415 | " " 07/14/21 07/14/21 | 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 | " " EPA 7199A EPA 6010B EPA 7471A | |
| Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel | | 6.7 18 ND 47 ND ND | 2.5 3.3 2.3 0.10 5.0 0.90 5.2 | " | " | " " B1G1418 B1G1412 B1G1415 B1G1412 | " " 07/14/21 07/14/21 07/14/21 | " 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 | " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead | | 6.7 18 ND 47 ND ND ND | 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 | " | " " " " " " " | " " B1G1418 B1G1412 B1G1415 B1G1412 | 07/14/21 07/14/21 07/14/21 07/14/21 | " 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 | " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " | |
| Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony | | 6.7 18 ND 47 ND ND 17 57 | 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 | " | | " " B1G1418 B1G1412 B1G1415 B1G1412 | 07/14/21 07/14/21 07/14/21 07/14/21 | " 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 " " | " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " | |
| Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium Thallium | | 6.7 18 ND 47 ND ND 17 57 | 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 | | | " B1G1418 B1G1412 B1G1415 B1G1412 " " | 07/14/21 07/14/21 07/14/21 07/14/21 " | " 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 " " | " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " " | |
| Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium | | 6.7 18 ND 47 ND ND 17 57 ND ND | 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 6.9 | | | " " B1G1418 B1G1412 B1G1415 B1G1412 " " " | 07/14/21 07/14/21 07/14/21 07/14/21 " | " 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 " " " | " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " " | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reported:



Santa Monica CA, 90405 Project Manager: Susan Mearns

Reported: 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---------------------------|-------------------------|---------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV17-10 (2107188-35) Soil | Sampled: 07/13/21 14:48 | Receive | 1: 07/13/21 17 | :07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 170 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 9.2 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 20 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1418 | 07/14/21 | 07/19/21 16:44 | EPA 7199A | |
| Copper | | 21 | 5.0 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1415 | 07/14/21 | 07/16/21 20:30 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Nickel | | 13 | 3.0 | " | " | " | " | " | " | |
| Lead | | 12 | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | ,, | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 28 | 5.1 | ,, | " | " | " | " | " | |
| Zinc | | 61 | 7.0 | " | " | " | " | " | " | |
| SV17-15 (2107188-36) Soil | Sampled: 07/13/21 14:53 | Receive | d: 07/13/21 17 | :07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 240 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 16 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 35 | 2.3 | " | " | " | ,, | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1418 | 07/14/21 | 07/19/21 16:44 | EPA 7199A | |
| Copper | | 35 | 5.0 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1415 | 07/14/21 | 07/16/21 20:30 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Nickel | | 19 | 3.0 | " | " | " | " | " | " | |
| Lead | | 12 | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | ,, | " | " | ,, | ,, | ,, | |
| Selenium | | 7.4 | 6.9 | | " | ,, | ,, | " | " | |
| Thallium | | ND | 17 | | " | ,, | ,, | " | " | |
| Vanadium | | 47 | 5.1 | ,, | ,, | " | ,, | " | " | |
| Vanaulum Zinc | | 120 | 7.0 | ,, | ,, | " | ,, | " | " | |
| Zinc | | 140 | 7.0 | | | | | | | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| 1 | | | | | | | | | |
|--|--|---|-----------------|---|--|---|--|---|------|
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| SV18-5 (2107188-37) Soil | Sampled: 07/13/21 15:19 Received | ed: 07/13/21 17: | 07 | | | | | | |
| Silver | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | ND | 5.5 | " | " | " | " | " | " | |
| Barium | 110 | 6.0 | " | " | " | " | " | " | |
| Beryllium | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | 8.2 | 3.3 | " | " | " | " | " | " | |
| Chromium | 18 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | ND | 0.10 | " | " | B1G1418 | 07/14/21 | 07/19/21 16:44 | EPA 7199A | |
| Copper | 16 | 5.0 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Mercury | ND | 0.90 | " | " | B1G1415 | 07/14/21 | 07/16/21 20:30 | EPA 7471A | |
| Molybdenum | ND | 5.2 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Nickel | 12 | 3.0 | " | " | " | " | " | " | |
| Lead | 14 | 7.1 | " | " | " | " | " | " | |
| Antimony | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | ND | 17 | " | " | " | " | " | " | |
| Vanadium | 28 | 5.1 | " | " | " | " | " | " | |
| Zinc | 66 | 7.0 | " | " | " | " | " | " | |
| | | | | | | | | | |
| SV18-10 (2107188-38) Soi | l Sampled: 07/13/21 15:25 Receiv | ved: 07/13/21 17 | 7:07 | | | | | | |
| , | * | | | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Silver | ND ND | 2.0 | 7:07 mg/kg | 1 " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Silver Arsenic | ND ND | 2.0 5.5 | mg/kg | | | | | | |
| Silver Arsenic Barium | ND ND 94 | 2.0 5.5 6.0 | mg/kg | " | " | " | " | " | |
| Silver Arsenic Barium Beryllium | ND ND 94 ND | 2.0 5.5 6.0 2.2 | mg/kg | " | " | " | " | " | |
| Silver Arsenic Barium Beryllium Cadmium | ND ND 94 | 2.0 5.5 6.0 | mg/kg " " | " " | " | " | " " | " | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt | ND ND 94 ND ND 9.8 | 2.0 5.5 6.0 2.2 2.5 | mg/kg " " | " " | " " | " " | " " " " | " | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium | ND ND 94 ND ND | 2.0 5.5 6.0 2.2 2.5 3.3 | mg/kg " " " " | " " " | " | " " " " | " " " " " " | " | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium | ND ND 94 ND ND 9.8 18 ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 | mg/kg | " | " " " " B1G1418 | " " " " 07/14/21 | " " " " 07/19/21 16:44 | " " " EPA 7199A | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper | ND ND 94 ND ND 9.8 18 ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 | mg/kg | " | " " " B1G1418 B1G1412 | " " " 07/14/21 | """""""""""""""""""""""""""""""""""""" | " " " EPA 7199A EPA 6010B | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury | ND ND 94 ND ND 9.8 18 ND 14 ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 | mg/kg | " | " " " BIG1418 B1G1412 B1G1415 | """""""""""""""""""""""""""""""""""""" | """""""""""""""""""""""""""""""""""""" | " " " EPA 7199A EPA 6010B EPA 7471A | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum | ND ND 94 ND ND 9.8 18 ND 14 ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 | mg/kg | " | " " " B1G1418 B1G1412 | " " " 07/14/21 | """""""""""""""""""""""""""""""""""""" | " " " EPA 7199A EPA 6010B | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel | ND ND 94 ND ND 9.8 18 ND 14 ND ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 | mg/kg | " " " " " " " " " " | " " " BIG1418 B1G1412 B1G1415 B1G1412 | 07/14/21 07/14/21 07/14/21 07/14/21 | """""""""""""""""""""""""""""""""""""" | " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead | ND ND 94 ND ND 9.8 18 ND 14 ND ND ND 12 ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 | mg/kg | "" "" "" "" "" "" "" "" "" "" "" "" "" | BIG1418 BIG1412 BIG1415 BIG1412 | 07/14/21 07/14/21 07/14/21 07/14/21 | "" "" 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 | " " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony | ND ND 94 ND ND 9.8 18 ND 14 ND ND ND 12 ND ND ND ND ND ND ND ND ND ND ND ND ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 | mg/kg | """"""""""""""""""""""""""""""""""""""" | B1G1418 B1G1412 B1G1412 B1G1412 | 07/14/21 07/14/21 07/14/21 07/14/21 | 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 | " " " EPA 7199A EPA 6010B EPA 6010B " " | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium | ND ND 94 ND ND 14 ND ND 12 ND ND ND ND ND ND ND ND ND ND ND ND ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 6.9 | mg/kg | | B1G1418 B1G1412 B1G1412 B1G1412 | 07/14/21 07/14/21 07/14/21 07/14/21 " | 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 | " " EPA 7199A EPA 6010B EPA 6010B " " | |
| SV18-10 (2107188-38) Soi Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium Thallium Vanadium | ND ND 94 ND ND 9.8 18 ND 14 ND ND ND 12 ND ND ND ND ND ND ND ND ND ND ND ND ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 | mg/kg | | B1G1418 B1G1412 B1G1412 B1G1412 | 07/14/21 07/14/21 07/14/21 07/14/21 " | 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 | " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " " | |



Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-------------------------|---|---|---|---|--|---|--|---|-------|
| SV18-15 (2107188-39) Soil | Sampled: 07/13/21 15:29 | Received | l: 07/13/21 17 | 7:07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 100 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 7.7 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 25 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1418 | 07/14/21 | 07/19/21 16:44 | EPA 7199A | |
| Copper | | 16 | 5.0 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G1415 | 07/14/21 | 07/16/21 20:30 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Nickel | | 16 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 35 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 54 | 7.0 | " | " | " | " | " | " | |
| SV19-5 (2107188-40) Soil | Sampled: 07/13/21 15:49 | Received | 07/13/21 17: | 07 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1412 | 07/14/21 | 07/19/21 15:58 | EPA 6010B | |
| Arsenic | | ND | 5.5 | ,, | | ,, | " | " | " | |
| Barium | | | 3.3 | | " | " | | | | |
| | | 74 | 5.5 6.0 | " | " | " | " | " | " | |
| Beryllium | | | | | | | " | " | " | |
| • | | 74 | 6.0 | " | " | " | | | | |
| Cadmium | | 74 ND | 6.0 2.2 | " | " | " | " | " | " | |
| Cadmium Cobalt | | 74 ND ND | 6.0 2.2 2.5 | " | " " | " | " | " | " | |
| Cadmium Cobalt Chromium | | 74 ND ND 6.9 | 6.0 2.2 2.5 3.3 | " " | " " " | " " " | " " | " " | " " | |
| Cadmium Cobalt Chromium Hexavalent Chromium | | 74 ND ND 6.9 14 | 6.0 2.2 2.5 3.3 2.3 | " " " | " " " | " | " " | " " " | " " " " | |
| Cadmium Cobalt Chromium Hexavalent Chromium Copper | | 74 ND ND 6.9 14 ND | 6.0 2.2 2.5 3.3 2.3 0.10 | " " " " " | " | " " " B1G1418 | " " " 07/14/21 | " " 07/19/21 16:44 | " " " EPA 7199A | |
| Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury | | 74 ND ND 6.9 14 ND | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 | " | " | " " " B1G1418 B1G1412 | " " 07/14/21 07/14/21 | " " 07/19/21 16:44 07/19/21 15:58 | " " EPA 7199A EPA 6010B | |
| Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum | | 74 ND ND 6.9 14 ND 11 ND | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 | n n n | " " " " " " " " " " " " " " " " " " " | " " " B1G1418 B1G1412 B1G1415 | 07/14/21 07/14/21 07/14/21 | " " 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 | " " EPA 7199A EPA 6010B EPA 7471A | |
| Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel | | 74 ND ND 6.9 14 ND 11 ND ND | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 | " | " | " " " BIG1418 BIG1412 BIG1415 BIG1412 | 07/14/21 07/14/21 07/14/21 07/14/21 | " " 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 | " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead | | 74 ND ND 6.9 14 ND 11 ND ND ND | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 | " | " | " " BIG1418 BIG1412 BIG1415 BIG1412 | 07/14/21 07/14/21 07/14/21 07/14/21 | " 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 " | " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " | |
| Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony | | 74 ND ND 6.9 14 ND 11 ND ND 11 | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 | | | " " B1G1418 B1G1412 B1G1415 B1G1412 | 07/14/21 07/14/21 07/14/21 07/14/21 " | 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 | " EPA 7199A EPA 6010B EPA 6010B " " | |
| Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium Thallium | | 74 ND ND ND 6.9 14 ND 11 ND ND ND ND ND ND ND ND | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 6.9 | | | B1G1418 B1G1412 B1G1412 B1G1412 | 07/14/21 07/14/21 07/14/21 07/14/21 " | 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 | " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " " | |
| Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony | | 74 ND ND 6.9 14 ND 11 ND ND ND ND ND ND ND | 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 | | | B1G1418 B1G1412 B1G1412 B1G1412 " | 07/14/21 07/14/21 07/14/21 07/14/21 " | 07/19/21 16:44 07/19/21 15:58 07/16/21 20:30 07/19/21 15:58 | " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " " | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reported:



Santa Monica CA, 90405 Project Manager: Susan Mearns

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Sicila Analytical Labs, Inc. | | | | | | | | | | | | |
|------------------------------|-------------------------|-------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|--|--|
| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes | | |
| SV19-10 (2107188-41) Soil | Sampled: 07/13/21 15:54 | Received: 0 | 07/13/21 17 | 7:07 | | | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1413 | 07/14/21 | 07/19/21 16:48 | EPA 6010B | | | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | | | |
| Barium | | 66 | 6.0 | " | " | " | " | " | " | | | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | | | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | | | |
| Cobalt | | 7.3 | 3.3 | " | " | " | " | " | " | | | |
| Chromium | | 17 | 2.3 | " | " | " | " | " | " | | | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1419 | 07/14/21 | 07/19/21 17:00 | EPA 7199A | | | |
| Copper | | 12 | 5.0 | " | " | B1G1413 | 07/14/21 | 07/19/21 16:48 | EPA 6010B | | | |
| Mercury | | ND | 0.90 | " | " | B1G1416 | 07/14/21 | 07/16/21 20:32 | EPA 7471A | | | |
| Molybdenum | | ND | 5.2 | " | " | B1G1413 | 07/14/21 | 07/19/21 16:48 | EPA 6010B | | | |
| Nickel | | 12 | 3.0 | " | " | " | " | " | " | | | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | | | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | | | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | | | |
| Thallium | | ND | 17 | " | " | " | " | " | " | | | |
| Vanadium | | 23 | 5.1 | " | " | " | " | " | " | | | |
| Zinc | | 35 | 7.0 | " | " | " | " | " | " | | | |
| SV19-15 (2107188-42) Soil | Sampled: 07/13/21 15:59 | Received: (|)7/13/21 17 | 7:07 | | | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G1413 | 07/14/21 | 07/19/21 16:48 | EPA 6010B | | | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | | | |
| Barium | | 46 | 6.0 | " | " | " | " | " | " | | | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | | | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | | | |
| Cobalt | | 5.2 | 3.3 | " | " | " | " | " | " | | | |
| Chromium | | 10 | 2.3 | " | " | " | ,, | " | " | | | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G1419 | 07/14/21 | 07/19/21 17:00 | EPA 7199A | | | |
| Copper | | 7.8 | 5.0 | " | " | B1G1413 | 07/14/21 | 07/19/21 16:48 | EPA 6010B | | | |
| Mercury | | ND | 0.90 | " | " | B1G1416 | 07/14/21 | 07/16/21 20:32 | EPA 7471A | | | |
| Molybdenum | | ND | 5.2 | " | " | B1G1413 | 07/14/21 | 07/19/21 16:48 | EPA 6010B | | | |
| Nickel | | 8.1 | 3.0 | " | " | " | " | " | " | | | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | | | |
| Antimony | | ND | 8.0 | " | " | ,, | " | ,, | " | | | |
| Selenium | | ND | 6.9 | " | " | " | " | ,, | " | | | |
| Thallium | | ND | 17 | " | " | " | " | | " | | | |
| Vanadium | | 15 | 5.1 | " | " | ,, | ,, | " | " | | | |
| Zinc | | 28 | 7.0 | " | " | ,, | ,, | " | " | | | |
| Zime | | 20 | 7.0 | | | | | | | | | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reported:

07/22/21 13:51



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV6-5 (2107188-01) Soil Sampled: 07/13 | /21 07:35 Received: | 07/13/21 17:07 | 7 | | | | | | |
| Surrogate: o-Terphenyl | | 61.2 % | 60-1 | | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 91.0 % | 35-1. | | B1G1502 | " | 07/15/21 12:38 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV6-10 (2107188-02) Soil Sampled: 07/1 | 3/21 07:44 Received: | 07/13/21 17:0 |)7 | | | | | | |
| Surrogate: o-Terphenyl | | 78.5 % | 60-1 | 75 | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 95.5 % | 35-1. | 30 | B1G1502 | " | 07/15/21 12:38 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV6-15 (2107188-03) Soil Sampled: 07/1 | 3/21 07:51 Received: | 07/13/21 17:0 |)7 | | | | | | |
| Surrogate: o-Terphenyl | | 73.8 % | 60-1 | 75 | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 98.4 % | 35-1. | 30 | B1G1502 | " | 07/15/21 12:38 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV7-5 (2107188-04) Soil Sampled: 07/13 | /21 08:15 Received: | 07/13/21 17:07 | 7 | | | | | | |
| Surrogate: o-Terphenyl | | 78.6 % | 60-1 | 75 | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 93.3 % | 35-1. | 30 | B1G1502 | " | 07/15/21 12:38 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.062 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|-----------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV7-10 (2107188-05) Soil Sampled: 07/13/21 | 08:25 Received: | 07/13/21 17:0 |)7 | | | | | | |
| Surrogate: o-Terphenyl Total Petroleum Hydrocarbons | ND | 74.3 % 5.0 | 60-1 | 75 | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | |
| (C13-C22) Total Petroleum Hydrocarbons | ND | 5.0 | " | " | " | " | " | " | |
| (C23-C40) | | 90.3 % | 25 1 | 20 | DIGI503 | " | 07/15/21 12 20 | " | |
| Surrogate: a,a,a-Trifluorotoluene Total Petroleum Hydrocarbons (C4-C12) | ND | 0.071 | 35-1 | " | B1G1502 | " | 07/15/21 12:38 | " | |
| SV7-15 (2107188-06) Soil Sampled: 07/13/21 | 08:30 Received: | 07/13/21 17:0 |)7 | | | | | | |
| Surrogate: o-Terphenyl | | 65.6 % | 60-1 | 75 | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 86.7 % | 35-1 | | B1G1502 | " | 07/15/21 12:38 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV8-5 (2107188-07) Soil Sampled: 07/13/21 0 | 8:56 Received: | 07/13/21 17:07 | 7 | | | | | | |
| Surrogate: o-Terphenyl | | 129 % | 60-1 | 75 | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | 27 | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 93.5 % | 35-1 | 30 | B1G1502 | " | 07/15/21 12:38 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.042 | " | " | " | " | " | " | |
| SV8-10 (2107188-08) Soil Sampled: 07/13/21 | 08:58 Received: | 07/13/21 17:0 |)7 | | | | | | |
| Surrogate: o-Terphenyl | | 60.8 % | 60-1 | 75 | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | ** | |
| Surrogate: a,a,a-Trifluorotoluene | | 93.9 % | 35-1 | 30 | B1G1502 | " | 07/15/21 12:38 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:
[none][none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|---------------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV8-15 (2107188-09) Soil Sampled: 07/13 | /21 09:06 Received | : 07/13/21 17:0 | 07 | | | | | | |
| Surrogate: o-Terphenyl | | 66.0 % | 60-17 | | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | 11 | |
| Surrogate: a,a,a-Trifluorotoluene | | 101 % | 35-13 | | B1G1502 | " | 07/15/21 12:38 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV9-5 (2107188-10) Soil Sampled: 07/13/2 | 21 09:19 Received: | 07/13/21 17:0 | 7 | | | | | | |
| Surrogate: o-Terphenyl | | % | 60-17 | 75 | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | S-03 |
| Total Petroleum Hydrocarbons | 110 | 100 | " | " | " | " | " | " | |
| (C13-C22) Total Petroleum Hydrocarbons (C23-C40) | 550 | 100 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 83.3 % | 35-13 | 80 | B1G1502 | " | 07/15/21 12:38 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.067 | " | " | " | " | " | " | |
| SV9-10 (2107188-11) Soil Sampled: 07/13 | /21 09:22 Received: | : 07/13/21 17:0 |)7 | | | | | | |
| Surrogate: o-Terphenyl | | 100 % | 60-17 | 75 | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | 50 | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 94.4 % | 35-13 | 30 | B1G1502 | " | 07/15/21 12:38 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.043 | " | " | " | " | " | " | |
| SV9-15 (2107188-12) Soil Sampled: 07/13 | /21 09:24 Received | : 07/13/21 17:0 | 07 | | | | | | |
| Surrogate: o-Terphenyl | | 90.6 % | 60-17 | 75 | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | |
| Total Petroleum Hydrocarbons | ND | 5.0 | " | " | " | " | " | " | |
| (C13-C22) Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 95.3 % | 35-13 | 30 | B1G1502 | " | 07/15/21 12:38 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |



Mearns Consulting LLC 738 Ashland Avenue Santa Monica CA, 90405 Project: Town Center Northwest

Project Number: [none]
Project Manager: Susan Mearns

Reported: 07/22/21 13:51

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|---------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV10-5 (2107188-13) Soil Sampled: 07/13/21 0 | 9:32 Received | : 07/13/21 17:0 | 7 | | | | | | |
| Surrogate: o-Terphenyl | | % | 60- | 175 | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | S-0. |
| Total Petroleum Hydrocarbons (C13-C22) | 510 | 100 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | 650 | 100 | " | " | " | " | u | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 80.6 % | 35- | 130 | B1G1502 | " | 07/15/21 12:38 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.084 | " | " | " | " | " | " | |
| SV10-10 (2107188-14) Soil Sampled: 07/13/21 | 09:36 Receive | d: 07/13/21 17: | 07 | | | | | | |
| Surrogate: o-Terphenyl | | 79.0 % | 60- | 175 | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | 52 | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 88.6 % | 35- | | B1G1502 | " | 07/15/21 12:38 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV10-15 (2107188-15) Soil Sampled: 07/13/21 | 09:52 Receive | d: 07/13/21 17: | 07 | | | | | | |
| Surrogate: o-Terphenyl | | 68.8 % | 60- | 175 | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 97.1 % | 35- | 130 | B1G1502 | " | 07/15/21 12:38 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV11-5 (2107188-16) Soil Sampled: 07/13/21 1 | 0:16 Received | : 07/13/21 17:0 | 7 | | | | | | |
| Surrogate: o-Terphenyl | | 86.1 % | 60- | 175 | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | 160 | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 94.5 % | 35- | 130 | B1G1502 | " | 07/15/21 12:38 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV11-10 (2107188-17) Soil Sampled: 07/13/21 10: | 20 Receive | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: o-Terphenyl | | 120 % | 60-17 | 75 | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | 39 | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | 200 | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 91.6 % | 35-13 | 30 | B1G1502 | " | 07/15/21 12:38 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV11-15 (2107188-18) Soil Sampled: 07/13/21 10: | 26 Receive | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: o-Terphenyl | | 72.6 % | 60-17 | 75 | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 95.7 % | 35-13 | 30 | B1G1502 | " | 07/15/21 12:38 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV12-5 (2107188-19) Soil Sampled: 07/13/21 10:4 | 9 Received | : 07/13/21 17:0 | 07 | | | | | | |
| Surrogate: o-Terphenyl | | 97.9 % | 60-17 | 75 | B1G1504 | 07/15/21 | 07/15/21 14:41 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 83.5 % | 35-13 | 30 | B1G1502 | " | 07/15/21 12:38 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.070 | " | " | " | " | " | " | |
| SV12-10 (2107188-20) Soil Sampled: 07/13/21 10: | 58 Receive | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: o-Terphenyl | | 111 % | 60-17 | 75 | B1G1601 | 07/15/21 | 07/16/21 08:00 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 79.2 % | 35-13 | 30 | B1G1502 | " | 07/15/21 12:38 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none]
Santa Monica CA, 90405 Project Manager: Susan Mearns

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-------------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV12-15 (2107188-21) Soil Sampled: 07/13/ | 21 11:07 Received | 1: 07/13/21 17: | :07 | | | | | | |
| Surrogate: o-Terphenyl | | 91.5 % | 60 | 175 | B1G1601 | 07/15/21 | 07/16/21 08:00 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 88.6 % | 35- | 130 | B1G1503 | " | 07/15/21 13:57 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV13-5 (2107188-22) Soil Sampled: 07/13/2 | 1 11:26 Received: | 07/13/21 17:0 |)7 | | | | | | |
| Surrogate: o-Terphenyl | | 107 % | 60 | 175 | B1G1601 | 07/15/21 | 07/16/21 08:00 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 79.8 % | 35- | 130 | B1G1503 | " | 07/15/21 13:57 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV13-10 (2107188-23) Soil Sampled: 07/13/2 | 21 11:31 Received | 1: 07/13/21 17 | :07 | | | | | | |
| Surrogate: o-Terphenyl | | 80.4 % | 60 | 175 | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 96.1 % | 35- | 130 | B1G1913 | 07/19/21 | 07/20/21 10:02 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV13-15 (2107188-24) Soil Sampled: 07/13/2 | 21 11:38 Received | 1: 07/13/21 17 | :07 | | | | | | |
| Surrogate: o-Terphenyl | | 111 % | 60 | 175 | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 90.6 % | 35- | 130 | B1G1913 | 07/19/21 | 07/20/21 10:02 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reported:

07/22/21 13:51



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID Sierra Analytical Labs, Inc.

| | | | · | | | | | | |
|---|---------------|--------------------|-------|----------|--------------|----------|---------------------|-----------|-------|
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| SV14-5 (2107188-25) Soil Sampled: 07/13/21 1 | 2:49 Received | : 07/13/21 17:0 | 07 | | | | | | |
| Surrogate: o-Terphenyl Total Petroleum Hydrocarbons (C13-C22) | ND | 133 % 5.0 | 60-17 | 75 | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene Total Petroleum Hydrocarbons (C4-C12) | ND | 99.2 % 0.050 | 35-13 | " | B1G1913 " | 07/19/21 | 07/20/21 10:02 " | " | |
| SV14-10 (2107188-26) Soil Sampled: 07/13/21 | 12:54 Receive | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: o-Terphenyl Total Petroleum Hydrocarbons (C13-C22) | 53 | 183 % 5.0 | 60-17 | 75 " | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | S-07 |
| Total Petroleum Hydrocarbons (C23-C40) | 180 | 5.0 | " | " | " | " | " | ** | |
| Surrogate: a,a,a-Trifluorotoluene Total Petroleum Hydrocarbons (C4-C12) | 0.21 | 91.6 % 0.050 | 35-13 | " | B1G1913 " | 07/19/21 | 07/20/21 10:02 | " | |
| SV14-15 (2107188-27) Soil Sampled: 07/13/21 | 13:01 Receive | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: o-Terphenyl Total Petroleum Hydrocarbons (C13-C22) | ND | 71.9 % 5.0 | 60-17 | 75 | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene Total Petroleum Hydrocarbons (C4-C12) | ND | 96.1 % 0.050 | 35-13 | BO " | B1G1913 " | 07/19/21 | 07/20/21 10:02 | " | |
| SV15-5 (2107188-28) Soil Sampled: 07/13/21 1 | 3:19 Received | : 07/13/21 17:0 | 07 | | | | | | |
| Surrogate: o-Terphenyl Total Petroleum Hydrocarbons (C13-C22) | ND | 85.8 % 5.0 | 60-17 | 75 | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene Total Petroleum Hydrocarbons (C4-C12) | ND | 82.0 % 0.060 | 35-13 | 30 | B1G1913 | 07/19/21 | 07/20/21 10:02 | " " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|------------------|--------------------|---------------|----------|--------------|----------|---------------------|-----------|-------|
| SV15-10 (2107188-29) Soil Sampled: 07/13/2 | 1 13:23 Received | l: 07/13/21 17 | :07 | | | | | | |
| Surrogate: o-Terphenyl Total Petroleum Hydrocarbons | ND | 66.1 % 5.0 | 60-17 | 75 | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | |
| (C13-C22) Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene Total Petroleum Hydrocarbons (C4-C12) | ND | 90.3 % 0.056 | 35-13 | 30 | B1G1913 " | 07/19/21 | 07/20/21 10:02 | " | |
| SV15-15 (2107188-30) Soil Sampled: 07/13/2 | 1 13:27 Received | l: 07/13/21 17 | :07 | | | | | | |
| Surrogate: o-Terphenyl Total Petroleum Hydrocarbons (C13-C22) | ND | 98.6 % 5.0 | 60-17 | 75 | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene Total Petroleum Hydrocarbons (C4-C12) | ND | 83.7 % 0.065 | 35-1 <u>2</u> | 30 | B1G1913 " | 07/19/21 | 07/20/21 10:02 " | " | |
| SV16-5 (2107188-31) Soil Sampled: 07/13/21 | 13:54 Received: | 07/13/21 17:0 |)7 | | | | | | |
| Surrogate: o-Terphenyl Total Petroleum Hydrocarbons | 190 | 148 % 10 | 60-17 | 75 | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | |
| (C13-C22) Total Petroleum Hydrocarbons (C23-C40) | 500 | 10 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene Total Petroleum Hydrocarbons (C4-C12) | ND | 89.3 % 0.058 | 35-13 | 30 | B1G1913 " | 07/19/21 | 07/20/21 10:02 " | " " | |
| SV16-10 (2107188-32) Soil Sampled: 07/13/2 | 1 13:57 Received | l: 07/13/21 17 | :07 | | | | | | |
| Surrogate: o-Terphenyl Total Petroleum Hydrocarbons (C13-C22) | ND | 106 % 5.0 | 60-17 | 75 | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene Total Petroleum Hydrocarbons (C4-C12) | ND | 88.7 % 0.063 | 35-13 | 30 | B1G1913 " | 07/19/21 | 07/20/21 10:02 " | " | |



738 Ashland AvenueProject Number:
[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|--------------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV16-15 (2107188-33) Soil Sampled: 07/13 | /21 14:00 Received | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: o-Terphenyl | | 134 % | 60-1 | 75 | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | 150 | 10 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | 200 | 10 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 86.4 % | 35-1 | 30 | B1G1913 | 07/19/21 | 07/20/21 10:02 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | 0.26 | 0.059 | " | " | " | " | " | " | |
| SV17-5 (2107188-34) Soil Sampled: 07/13/2 | 1 14:44 Received | : 07/13/21 17:0 |)7 | | | | | | |
| Surrogate: o-Terphenyl | | 85.6 % | 60-1 | 75 | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | |
| Total Petroleum Hydrocarbons | 34 | 10 | " | " | " | " | " | " | |
| (C13-C22) Total Petroleum Hydrocarbons (C23-C40) | 650 | 10 | " | " | " | " | 11 | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 98.3 % | 35-1 | 30 | B1G1913 | 07/19/21 | 07/20/21 10:02 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | 0.052 | 0.050 | " | " | " | " | " | " | |
| SV17-10 (2107188-35) Soil Sampled: 07/13 | /21 14:48 Received | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: o-Terphenyl | | 155 % | 60-1 | 75 | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | 79 | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 93.5 % | 35-1 | 30 | B1G1913 | 07/19/21 | 07/20/21 10:02 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |
| SV17-15 (2107188-36) Soil Sampled: 07/13 | /21 14:53 Received | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: o-Terphenyl | | 137 % | 60-1 | 75 | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | 78 | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 92.8 % | 35-1 | 30 | B1G1913 | 07/19/21 | 07/20/21 10:02 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | " | " | " | " | " | " | |



Mearns Consulting LLC 738 Ashland Avenue Santa Monica CA, 90405 Project: Town Center Northwest

Project Number: [none]
Project Manager: Susan Mearns

Reported: 07/22/21 13:51

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|------------|--------------------|-------|----------|--------------|----------|----------------|-----------|-------|
| SV18-5 (2107188-37) Soil Sampled: 07/13/21 15:1 | 9 Received | d: 07/13/21 17:0 | 7 | | | | | | |
| Surrogate: o-Terphenyl | | 196 % | 60 | -175 | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | S-0 |
| Total Petroleum Hydrocarbons | 110 | 5.0 | " | " | " | " | " | " | |
| (C13-C22) Total Petroleum Hydrocarbons (C23-C40) | 600 | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene Total Petroleum Hydrocarbons (C4-C12) | ND | 76.6 % 0.10 | 35 | -130 | B1G1913 " | 07/19/21 | 07/20/21 10:02 | " | |
| SV18-10 (2107188-38) Soil Sampled: 07/13/21 15: | 25 Receive | ed: 07/13/21 17: | 07 | | | | | | |
| Surrogate: o-Terphenyl | | % | 60- | -175 | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | S-03 |
| Total Petroleum Hydrocarbons (C13-C22) | 1300 | 250 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | 2200 | 250 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 108 % | | -130 | B1G1913 | 07/19/21 | 07/20/21 10:02 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | 1100 | 6.3 | " | 100 | " | " | " | " | |
| SV18-15 (2107188-39) Soil Sampled: 07/13/21 15: | 29 Receive | ed: 07/13/21 17: | 07 | | | | | | |
| Surrogate: o-Terphenyl | | 94.7 % | 60 | -175 | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 133 % | 35 | -130 | B1G1913 | 07/19/21 | 07/20/21 10:02 | " | S-07 |
| Total Petroleum Hydrocarbons (C4-C12) | 0.48 | 0.044 | " | " | " | " | " | " | |
| SV19-5 (2107188-40) Soil Sampled: 07/13/21 15:4 | 9 Received | d: 07/13/21 17:0 | 7 | | | | | | |
| Surrogate: o-Terphenyl | | % | 60 | -175 | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | S-03 |
| Total Petroleum Hydrocarbons (C13-C22) | 2400 | 250 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 250 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotoluene | | 93.8 % | 35 | -130 | B1G1913 | 07/19/21 | 07/20/21 10:02 | " | |
| Total Petroleum Hydrocarbons (C4-C12) | 2600 | 25 | " | 500 | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID Sierra Analytical Labs, Inc.

| Analyte | R | esult | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV19-10 (2107188-41) Soil S | Sampled: 07/13/21 15:54 | Received: | 07/13/21 17 | :07 | | | | | | |
| Surrogate: o-Terphenyl | | | % | 60- | -175 | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | S-03 |
| Total Petroleum Hydrocarbon (C13-C22) | ns | 590 | 25 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbon (C23-C40) | ns | 270 | 25 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotolue | ne | | 94.8 % | 35- | -130 | B1G1913 | 07/19/21 | 07/20/21 10:02 | " | |
| Total Petroleum Hydrocarbo (C4-C12) | ns | 510 | 22 | " | 500 | " | " | " | " | |
| SV19-15 (2107188-42) Soil S | Sampled: 07/13/21 15:59 | Received: | 07/13/21 17 | :07 | | | | | | |
| Surrogate: o-Terphenyl | | | % | 60- | -175 | B1G1602 | 07/15/21 | 07/16/21 08:18 | EPA 8015B | S-03 |
| Total Petroleum Hydrocarbon (C13-C22) | ns 2 | 500 | 250 | " | " | " | " | " | " | |
| Total Petroleum Hydrocarbon (C23-C40) | ns | 530 | 250 | " | " | " | " | " | " | |
| Surrogate: a,a,a-Trifluorotolue | ne | | 116 % | 35- | -130 | B1G1913 | 07/19/21 | 07/20/21 10:02 | " | |
| Total Petroleum Hydrocarbon (C4-C12) | ns 1 | 500 | 25 | " | 500 | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV6-5 (2107188-01) Soil Sampled: 07/13/21 07:35 | Received: | 07/13/21 17:07 | | | | | | | |
| Surrogate: Dibromofluoromethane | | 120 % | 80- | | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 99.9 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 97.5 % | | 121 | " | " | " | " | |
| Benzene | ND | 5.8 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.8 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.8 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.8 | " | " | " | " | " | " | |
| Bromoform | ND | 5.8 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.8 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.8 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.8 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.8 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.8 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.8 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.8 | " | " | " | " | " | " | |
| Chloroform | ND | 5.8 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.8 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.8 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.8 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.8 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.8 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.8 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.8 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.8 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.8 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.8 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.8 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.8 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.8 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.8 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.8 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.8 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.8 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.8 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.8 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.8 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.8 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.8 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.8 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.8 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.8 | | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| | | ъ | | | | | | | |
|---------------------------|------------------------------|-----------------------|-------|----------|---------|----------|----------------|-----------|------|
| Analyte | Resu | Reporting It Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| SV6-5 (2107188-01) Soil | Sampled: 07/13/21 07:35 Rece | ived: 07/13/21 17:0 |)7 | | | | | | |
| p-Isopropyltoluene | NI | 5.8 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Methylene chloride | NI | 5.8 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | NI | 5.8 | " | " | " | " | " | " | |
| Naphthalene | NI | 5.8 | " | " | " | " | " | " | |
| n-Propylbenzene | NI | 5.8 | " | " | " | " | " | " | |
| Styrene | NI | 5.8 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | NI | 5.8 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | NI | 5.8 | " | " | " | " | " | " | |
| Tetrachloroethene | NI | 5.8 | " | " | " | " | " | " | |
| Toluene | NI | 5.8 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | NI | 5.8 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | NI | 5.8 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | NI | 5.8 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | NI | 5.8 | " | " | " | " | " | " | |
| Trichloroethene | NI | 5.8 | " | " | " | " | " | " | |
| Trichlorofluoromethane | NI | 5.8 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | NI | 5.8 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | NI | 5.8 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | NI | 5.8 | " | " | " | " | " | " | |
| Vinyl chloride | NI | 5.8 | " | " | " | " | " | " | |
| m,p-Xylene | NI | 5.8 | " | " | " | " | " | " | |
| o-Xylene | NI | 5.8 | " | " | " | " | " | " | |
| SV6-10 (2107188-02) Soil | Sampled: 07/13/21 07:44 Rec | eived: 07/13/21 17: | :07 | | | | | | |
| Surrogate: Dibromofluoron | nethane | 100 % | 80- | -120 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 101 % | 81 | -117 | " | " | " | " | |
| Surrogate: 4-Bromofluorol | penzene | 97.4 % | | -121 | " | " | " | " | |
| Benzene | NI | 9.9 | " | " | " | " | " | " | |
| Bromobenzene | NI | | " | " | " | " | " | " | |
| Bromochloromethane | NI | | " | " | " | " | " | " | |
| Bromodichloromethane | NI | | " | " | " | " | " | " | |
| Bromoform | NI | | " | " | " | " | " | " | |
| Bromomethane | NI | | " | " | ,, | " | " | " | |
| n-Butylbenzene | NI | | " | " | " | " | " | " | |
| sec-Butylbenzene | NI | | " | " | " | " | " | " | |
| tert-Butylbenzene | NI | | " | " | " | " | " | " | |
| Carbon tetrachloride | NI | | " | " | " | " | " | " | |
| Chlorobenzene | NI | | " | " | ,, | " | " | " | |
| Chloroethane | NI | | " | " | ,, | " | " | " | |
| Chloroform | NI | | " | " | " | " | " | " | |
| Chloromethane | NI | | " | " | ,, | ,, | " | " | |
| Chioroniculane | INI | 9.9 | | | | | | | |



Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|---------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV6-10 (2107188-02) Soil Sampled: 07/13/21 0 | 7:44 Received | : 07/13/21 17:0 |)7 | | | | | | |
| 2-Chlorotoluene | ND | 9.9 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 4-Chlorotoluene | ND | 9.9 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 9.9 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 9.9 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 9.9 | " | " | " | " | " | " | |
| Dibromomethane | ND | 9.9 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 9.9 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 9.9 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 9.9 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 9.9 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 9.9 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 9.9 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 9.9 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 9.9 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 9.9 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 9.9 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 9.9 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 9.9 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 9.9 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 9.9 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 9.9 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 9.9 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 9.9 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 9.9 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 9.9 | " | " | " | " | " | " | |
| Methylene chloride | ND | 9.9 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 9.9 | " | " | " | " | " | " | |
| Naphthalene | ND | 9.9 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 9.9 | " | " | " | " | " | " | |
| Styrene | ND | 9.9 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 9.9 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 9.9 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 9.9 | " | " | " | " | " | " | |
| Toluene | ND | 9.9 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 9.9 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 9.9 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 9.9 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 9.9 | " | " | " | " | " | " | |
| Trichloroethene | ND | 9.9 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 9.9 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 9.9 | " | " | " | " | " | " | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reported:



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV6-10 (2107188-02) Soil Sampled: 07/13/21 0 | 7:44 Received: | 07/13/21 17:0 | 07 | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 9.9 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 1,3,5-Trimethylbenzene | ND | 9.9 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 9.9 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 9.9 | " | " | " | " | " | " | |
| o-Xylene | ND | 9.9 | " | " | " | " | " | " | |
| SV6-15 (2107188-03) Soil Sampled: 07/13/21 0 | 7:51 Received: | 07/13/21 17:0 | 07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 105 % | 80 | 120 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 101 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 98.3 % | 74- | 121 | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV6-15 (2107188-03) Soil | Sampled: 07/13/21 07:51 | Received | : 07/13/21 17: | 07 | | | | | | |
| 2,2-Dichloropropane | | ND | 5.0 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 1,1-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| 6V7-5 (2107188-04) Soil Sampled: 07/13/21 08:15 | | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|-----------|----------------|-------|----------|---------|----------|----------------|-----------|-------|
| | Received: | 07/13/21 17:07 | | | | | - | | |
| Surrogate: Dibromofluoromethane | | 104 % | 80-1 | 120 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 99.7 % | 81-1 | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 95.7 % | 74-1 | 121 | " | " | " | " | |
| Benzene | ND | 6.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 6.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 6.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 6.0 | " | " | " | " | " | " | |
| Bromoform | ND | 6.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 6.0 | " | " | " | " | " | " | |
| -Butylbenzene | ND | 6.0 | " | " | " | " | " | " | |
| ec-Butylbenzene | ND | 6.0 | " | " | " | " | " | " | |
| ert-Butylbenzene | ND | 6.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 6.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 6.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 6.0 | " | " | " | " | " | " | |
| Chloroform | ND | 6.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 6.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 6.0 | " | " | " | " | " | " | |
| -Chlorotoluene | ND | 6.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 6.0 | " | " | " | " | " | " | |
| ,2-Dibromo-3-chloropropane | ND | 6.0 | " | " | " | " | " | " | |
| ,2-Dibromoethane (EDB) | ND | 6.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 6.0 | " | " | " | " | " | " | |
| ,2-Dichlorobenzene | ND | 6.0 | " | " | " | " | " | " | |
| ,3-Dichlorobenzene | ND | 6.0 | " | " | " | " | " | " | |
| ,4-Dichlorobenzene | ND | 6.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 6.0 | " | " | " | " | " | " | |
| ,1-Dichloroethane | ND | 6.0 | " | " | " | " | " | " | |
| ,2-Dichloroethane | ND | 6.0 | " | " | " | " | " | " | |
| ,1-Dichloroethene | ND | 6.0 | " | " | " | " | " | " | |
| is-1,2-Dichloroethene | ND | 6.0 | " | " | " | " | " | " | |
| rans-1,2-Dichloroethene | ND | 6.0 | " | " | " | " | " | " | |
| ,2-Dichloropropane | ND | 6.0 | " | " | " | " | " | " | |
| ,3-Dichloropropane | ND | 6.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 6.0 | " | " | " | " | " | " | |
| ,1-Dichloropropene | ND | 6.0 | " | " | " | " | " | " | |
| sis-1,3-Dichloropropene | ND | 6.0 | " | " | " | " | " | " | |
| rans-1,3-Dichloropropene | ND | 6.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 6.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 6.0 | " | " | " | " | " | " | |
| sopropylbenzene | ND | 6.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|-------------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| - | a | | | | Dilution | Datell | rrepared | Analyzeu | wichiou | 1100 |
| · | Sampled: 07/13/21 08:15 | | | 1 | | | | | | |
| p-Isopropyltoluene | | ND | 6.0 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Methylene chloride | | ND | 6.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 6.0 | " | " | " | " | " | " | |
| Naphthalene | | ND | 6.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 6.0 | " | " | " | " | " | " | |
| Styrene | | ND | 6.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 6.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 6.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 6.0 | " | " | " | " | " | " | |
| Toluene | | ND | 6.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 6.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 6.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 6.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 6.0 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 6.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 6.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 6.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 6.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 6.0 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 6.0 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 6.0 | " | " | " | " | " | " | |
| o-Xylene | | ND | 6.0 | " | " | " | " | " | " | |
| SV7-10 (2107188-05) Soil | Sampled: 07/13/21 08:25 | Received: | 07/13/21 17:0 | 7 | | | | | | |
| Surrogate: Dibromofluoron | nethane | | 103 % | 80- | 120 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | | 102 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorob | penzene | | 98.0 % | 74- | 121 | " | " | " | " | |
| Benzene | | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | | ND | 5.0 | " | " | " | " | " | " | |
| | | ND | 5.0 | " | " | " | " | " | " | |
| | | | | | | | | | | |
| Chlorobenzene Chloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | | ND ND | 5.0 5.0 | " | " | " | " | " | " | |



Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV7-10 (2107188-05) Soil Sampled: 07/13/21 08:25 | Received: | 07/13/21 17: | 07 | | | | | | |
| 2-Chlorotoluene | ND | 5.0 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | " | " | ,, | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | ND | 5.0 | " | ,, | ,, | ,, | " | " | |
| Trichlorofluoromethane | ND | 5.0 | " | ,, | ,, | ,, | " | " | |
| 1,2,3-Trichloropropane | ND | 5.0 | ,, | " | ,, | ,, | " | " | |
| 1,2,3-111011010p10pane | ND | 3.0 | | | | | | | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reported:



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV7-10 (2107188-05) Soil Sampled: 07/13/21 08:2 | 5 Received | : 07/13/21 17: | 07 | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| SV7-15 (2107188-06) Soil Sampled: 07/13/21 08:3 | 0 Received | 07/13/21 17: | 07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 101 % | 80 | 120 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 99.2 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 97.2 % | 74- | 121 | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | ,, | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | ,, | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV7-15 (2107188-06) Soil | Sampled: 07/13/21 08:30 | Received: | 07/13/21 17:0 | 07 | | | | | | |
| 2,2-Dichloropropane | | ND | 5.0 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 1,1-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV8-5 (2107188-07) Soil Sampled: 07/13/21 08:56 | Received: | 07/13/21 17:07 | | - | | - | _ | - | |
| Surrogate: Dibromofluoromethane | | 109 % | 80- | | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 97.4 % | 81- | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 101 % | 74- | | " | " | " | " | |
| Benzene | ND | 4.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 4.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 4.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 4.0 | " | " | " | " | " | " | |
| Bromoform | ND | 4.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 4.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 4.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 4.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 4.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 4.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 4.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 4.0 | " | " | " | " | " | " | |
| Chloroform | ND | 4.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 4.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 4.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 4.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 4.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 4.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 4.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 4.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 4.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 4.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 4.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 4.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 4.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 4.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 4.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 4.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 4.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 4.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 4.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 4.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 4.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 4.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 4.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 4.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 4.0 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 4.0 | " | " | " | ,, | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|-------------------------|----------------|--------------------|----------|----------|---------|-----------|----------------|-----------|------|
| • | | | | | Dilution | Datell | 1 repared | Anaryzeu | wichiou | 1100 |
| <u>.</u> | Sampled: 07/13/21 08:56 | | | <u> </u> | | | | | | |
| p-Isopropyltoluene | | ND | 4.0 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Methylene chloride | | ND | 4.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 4.0 | " | " | " | " | " | " | |
| Naphthalene | | ND | 4.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 4.0 | " | " | " | " | " | " | |
| Styrene | | ND | 4.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 4.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 4.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 4.0 | " | " | " | " | " | " | |
| Toluene | | ND | 4.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 4.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 4.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 4.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 4.0 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 4.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 4.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 4.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 4.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 4.0 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 4.0 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 4.0 | " | " | " | " | " | " | |
| o-Xylene | | ND | 4.0 | " | " | " | " | " | " | |
| SV8-10 (2107188-08) Soil | Sampled: 07/13/21 08:58 | Received: | 07/13/21 17:0 |)7 | | | | | | |
| Surrogate: Dibromofluoron | nethane | | 108 % | 80- | -120 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | | 99.9 % | 81- | -117 | " | " | " | " | |
| Surrogate: 4-Bromofluorob | penzene | | 97.1 % | | -121 | " | " | " | " | |
| Benzene | | ND | 4.4 | " | " | " | " | " | " | |
| Bromobenzene | | ND | 4.4 | " | " | " | " | " | " | |
| Bromochloromethane | | ND | 4.4 | " | " | " | " | " | " | |
| Bromodichloromethane | | ND | 4.4 | " | " | " | " | " | " | |
| Bromoform | | ND | 4.4 | " | " | " | " | " | " | |
| Bromomethane | | ND | 4.4 | " | " | " | " | " | " | |
| n-Butylbenzene | | ND | 4.4 | " | " | " | " | " | " | |
| sec-Butylbenzene | | ND | 4.4 | " | " | " | " | " | " | |
| tert-Butylbenzene | | ND | 4.4 | " | " | " | " | " | " | |
| • | | ND | 4.4 | " | " | " | " | " | " | |
| Carbon tetrachloride | | | 4.4 | " | " | " | " | " | " | |
| | | ND | 7.7 | | | | | | | |
| Chlorobenzene | | ND ND | 4.4 | | " | " | " | " | " | |
| Carbon tetrachloride Chlorobenzene Chloroethane Chloroform | | ND ND ND | | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|--------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV8-10 (2107188-08) Soil Sampled: 07/13/21 08 | :58 Received | : 07/13/21 17:0 | 07 | | | | | | |
| 2-Chlorotoluene | ND | 4.4 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 4-Chlorotoluene | ND | 4.4 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 4.4 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 4.4 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 4.4 | " | " | " | " | " | " | |
| Dibromomethane | ND | 4.4 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 4.4 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 4.4 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 4.4 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 4.4 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 4.4 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 4.4 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 4.4 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 4.4 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 4.4 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 4.4 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 4.4 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 4.4 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 4.4 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 4.4 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 4.4 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 4.4 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 4.4 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 4.4 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 4.4 | " | " | " | " | " | " | |
| Methylene chloride | ND | 4.4 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 4.4 | " | " | " | " | " | " | |
| Naphthalene | ND | 4.4 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 4.4 | " | " | " | " | " | " | |
| Styrene | ND | 4.4 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 4.4 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 4.4 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 4.4 | " | " | " | " | " | " | |
| Toluene | ND | 4.4 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 4.4 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 4.4 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 4.4 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 4.4 | " | " | " | " | " | " | |
| Trichloroethene | ND | 4.4 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 4.4 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 4.4 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV8-10 (2107188-08) Soil Sampled: 07/13/21 08 | 58 Received: | 07/13/21 17: | 07 | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 4.4 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 1,3,5-Trimethylbenzene | ND | 4.4 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 4.4 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 4.4 | " | " | " | " | " | " | |
| o-Xylene | ND | 4.4 | " | " | " | " | " | " | |
| SV8-15 (2107188-09) Soil Sampled: 07/13/21 09 | 06 Received: | 07/13/21 17: | 07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 108 % | 80 | 120 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 100 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 96.7 % | 74- | 121 | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | R | | orting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|---------------------------|------------------|-----------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV8-15 (2107188-09) Soil | Sampled: 07/13/21 09:06 R | Received: 07/13/ | 21 17:0 |)7 | | | | | | |
| 2,2-Dichloropropane | | ND | 5.0 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 1,1-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | | | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | | | 5.0 | " | " | " | " | " | " | |
| o-Xylene | | | 5.0 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|-------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV9-5 (2107188-10) Soil Sampled: 07/13/21 09:19 | Received: 0 | | | | | • | • | | |
| Surrogate: Dibromofluoromethane | | 115 % | 80-1 | 120 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 99.0 % | 81-1 | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 109 % | 74-1 | | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | No |
|---|-------------------------|----------------|--------------------|-------|----------|---------|----------|----------------|---|----|
| SV9-5 (2107188-10) Soil | Sampled: 07/13/21 09:19 | Received: (| 07/13/21 17:07 | 7 | | | | | | |
| p-Isopropyltoluene | | ND | 5.0 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Methylene chloride | | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 5.0 | " | " | " | " | " | " | |
| ,2,3-Trichloropropane | | ND | 5.0 | " | " | " | " | " | " | |
| ,2,4-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| ,3,5-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 5.0 | " | " | " | " | " | " | |
| n,p-Xylene | | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | | ND | 5.0 | " | " | " | " | " | " | |
| SV9-10 (2107188-11) Soil | Sampled: 07/13/21 09:22 | Received: | 07/13/21 17:0 |)7 | | | | | | |
| Surrogate: Dibromofluoron | nethane | | 104 % | 80-1 | 20 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | | 99.6 % | 81-1 | 17 | " | " | " | " | |
| Surrogate: 4-Bromofluorob | enzene | | 95.7 % | 74-1 | 21 | " | " | " | " | |
| Benzene | | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | | ND | 5.0 | " | " | " | " | " | " | |
|) | | ND | 5.0 | " | " | " | " | " | " | |
| sromomeinane | | ND | 5.0 | " | " | " | " | " | " | |
| | | | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | | ND | 5.0 | | | " | ,, | ,, | " | |
| -Butylbenzene ec-Butylbenzene | | ND ND | 5.0 | " | " | " | | | | |
| n-Butylbenzene sec-Butylbenzene ert-Butylbenzene | | | | " | " | " | " | " | " | |
| Bromomethane n-Butylbenzene sec-Butylbenzene eert-Butylbenzene Carbon tetrachloride Chlorobenzene | | ND | 5.0 | | " | | " | " | " | |
| n-Butylbenzene sec-Butylbenzene ert-Butylbenzene Carbon tetrachloride Chlorobenzene | | ND ND | 5.0 5.0 | " | | " | " | " " " | " " | |
| n-Butylbenzene sec-Butylbenzene ert-Butylbenzene Carbon tetrachloride | | ND ND ND | 5.0 5.0 5.0 | " | " | " | | | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|-------------|--------------------|-------|-----------|---------|----------|----------------|-----------|------|
| | | | | Difficial | DalCII | тератец | Anaiyzeu | Menion | note |
| SV9-10 (2107188-11) Soil Sampled: 07/13/21 09:22 | Received: 0 | 7/13/21 17:0 | 07 | | | | | | |
| 2-Chlorotoluene | ND | 5.0 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|---------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV9-10 (2107188-11) Soil Sampled: 07/13/21 0 | 9:22 Received | : 07/13/21 17:0 | 07 | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| SV9-15 (2107188-12) Soil Sampled: 07/13/21 0 | 9:24 Received | 1: 07/13/21 17: | 07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 107 % | 80 | 120 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 102 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 95.3 % | 74- | 121 | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | n . | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | ,, | ,, | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | ,, | ,, | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | ,, | ,, | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | ,, | ,, | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | ,, | ,, | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,5 2.temoropropune | 112 | 5.0 | | | | | | | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV9-15 (2107188-12) Soil | Sampled: 07/13/21 09:24 | Received: | 07/13/21 17: | 07 | | | | | | |
| 2,2-Dichloropropane | | ND | 5.0 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 1,1-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | | ND | 5.0 | ,, | ,, | " | ,, | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV10-5 (2107188-13) Soil Sampled: 07/13/21 09:32 | Received: | 07/13/21 17:0 | 7 | | | | | | |
| Surrogate: Dibromofluoromethane | | 116 % | 80 | | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 99.7 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 114 % | 74 | | " | " | " | " | |
| Benzene | ND | 5.6 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.6 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.6 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.6 | " | " | " | " | " | " | |
| Bromoform | ND | 5.6 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.6 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.6 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.6 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.6 | " | " | " | " | " | " | |
| Chloroform | ND | 5.6 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.6 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.6 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.6 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.6 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.6 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.6 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.6 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.6 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.6 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.6 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.6 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.6 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.6 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.6 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.6 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.6 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.6 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.6 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.6 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|---------------------|--------------------|-------|----------|---------|-----------|----------------|-----------|------|
| - | | | | Dilution | Dawii | 1 repared | Anaryzeu | Memod | 1101 |
| SV10-5 (2107188-13) Soil Sampled: 07/13/ | /21 09:32 Received: | 07/13/21 17:0 | 07 | | | | | | |
| p-Isopropyltoluene | ND | 5.6 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Methylene chloride | ND | 5.6 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 5.6 | " | " | " | " | " | " | |
| Naphthalene | ND | 5.6 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| Styrene | ND | 5.6 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.6 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 5.6 | " | " | " | " | " | " | |
| Toluene | ND | 5.6 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 5.6 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 5.6 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.6 | " | " | " | " | " | " | |
| Trichloroethene | ND | 5.6 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 5.6 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.6 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 5.6 | " | " | " | " | " | " | |
| o-Xylene | ND | 5.6 | " | " | " | " | " | " | |
| SV10-10 (2107188-14) Soil Sampled: 07/13 | 3/21 09:36 Received | 1: 07/13/21 17 | :07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 106 % | 80- | 120 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 103 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 97.0 % | 74 | | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene tert-Butylbenzene | ND | | | | | | | | |
| tert-Butylbenzene | ND ND | | " | " | " | " | " | " | |
| • | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene Carbon tetrachloride Chlorobenzene | ND ND | 5.0 5.0 | | " | | | " " | | |
| tert-Butylbenzene Carbon tetrachloride | ND | 5.0 | " | " " | " | | " " " | | |



Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|----------|--------------------|-----------|----------|---------|----------|----------------|-----------|------|
| | | | | | | Parea | | | 1.00 |
| SV10-10 (2107188-14) Soil Sampled: 07/13/21 0 | | | | | | | | | |
| 2-Chlorotoluene | ND | 5.0 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 5.0 | " | " | ,, | " | " | " | |
| Naphthalene | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 5.0 | " | " | ,, | " | " | " | |
| Styrene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | ,, | " | ,, | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | ,, | " | ,, | ,, | " | " | |
| Tetrachloroethene | ND | 5.0 | ,, | " | ,, | ,, | " | " | |
| Toluene | ND | 5.0 | " | ,, | ,, | " | " | " | |
| 1.2.3-Trichlorobenzene | ND ND | 5.0 | ,, | ,, | ,, | " | " | " | |
| 1,2,4-Trichlorobenzene | ND ND | 5.0 | ,, | ,, | ,, | " | " | ,, | |
| 1,1,1-Trichloroethane | ND ND | 5.0 | " | ,, | ,, | " | ,, | ,, | |
| 1,1,2-Trichloroethane | | | ,, | ,, | ,, | ,, | ,, | ,, | |
| * * | ND | 5.0 | ,, | | ,, | ,, | ,, | ,, | |
| Trichloroethene | ND | 5.0 | | | , | " | " | " | |
| Trichlorofluoromethane | ND | 5.0 | " | | | | | | |
| 1,2,3-Trichloropropane | ND | 5.0 | " | " | " | " | " | " | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reported:



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|----------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV10-10 (2107188-14) Soil Sampled: 07/13/21 09:36 | Received | : 07/13/21 17 | :07 | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| SV10-15 (2107188-15) Soil Sampled: 07/13/21 09:52 | Received | : 07/13/21 17 | :07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 119 % | 80- | 120 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 103 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 96.3 % | 74- | 121 | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | 1 | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------------|----------|---------|----------|----------------|-----------|-------|
| SV10-15 (2107188-15) Soil | Sampled: 07/13/21 09:52 | Received: | 07/13/21 17 | ':07 | | | | | | |
| 2,2-Dichloropropane | | ND | 5.0 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 1,1-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV11-5 (2107188-16) Soil Sampled: 07/13/21 10:10 | 6 Received: | : 07/13/21 17:0 | 7 | | | | | | |
| Surrogate: Dibromofluoromethane | | 105 % | 80- | | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 102 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 100 % | 74- | | " | " | " | " | |
| Benzene | ND | 5.6 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.6 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.6 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.6 | " | " | " | " | " | " | |
| Bromoform | ND | 5.6 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.6 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.6 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.6 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.6 | " | " | " | " | " | " | |
| Chloroform | ND | 5.6 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.6 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.6 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.6 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.6 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.6 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.6 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.6 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.6 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.6 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.6 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.6 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.6 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.6 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.6 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.6 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.6 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.6 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.6 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.6 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|--------------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV11-5 (2107188-16) Soil Sampled: 07/13 | /21 10:16 Received | : 07/13/21 17:0 | 07 | | | | | | |
| p-Isopropyltoluene | ND | 5.6 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Methylene chloride | ND | 5.6 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 5.6 | " | " | " | " | " | " | |
| Naphthalene | ND | 5.6 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| Styrene | ND | 5.6 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.6 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 5.6 | " | " | " | " | " | " | |
| Toluene | ND | 5.6 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 5.6 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 5.6 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.6 | " | " | " | " | " | " | |
| Trichloroethene | ND | 5.6 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 5.6 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.6 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 5.6 | " | " | " | " | " | " | |
| o-Xylene | ND | 5.6 | " | " | " | " | " | " | |
| SV11-10 (2107188-17) Soil Sampled: 07/1 | 3/21 10:20 Receive | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 102 % | 80-1 | 20 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 98.3 % | 81-1 | 17 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 99.1 % | 74-1 | 21 | " | " | " | " | |
| Benzene | ND | 5.8 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.8 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.8 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.8 | " | " | " | " | " | " | |
| Bromoform | ND | 5.8 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.8 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.8 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.8 | " | " | " | " | " | " | |
| | ND | 5.8 | " | " | " | " | " | " | |
| tert-Butylbenzene | 110 | | " | ,, | " | " | " | " | |
| tert-Butylbenzene | ND | 5.8 | " | | | | | | |
| tert-Butylbenzene Carbon tetrachloride | | 5.8 5.8 | " | " | " | " | " | " | |
| | ND | | | | | " | " | " | |
| tert-Butylbenzene Carbon tetrachloride Chlorobenzene | ND ND | 5.8 | " | " | " | | | " " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|--------|--------------------|------------|-----------|---------|-----------|----------------|-----------|-------|
| | | | | 2 HutiOII | Dutell | . repared | | | 11010 |
| SV11-10 (2107188-17) Soil Sampled: 07/13/21 | | | :07 | | | | | | |
| 2-Chlorotoluene | ND | 5.8 | $\mu g/kg$ | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 4-Chlorotoluene | ND | 5.8 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.8 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.8 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.8 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.8 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.8 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.8 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.8 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.8 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.8 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.8 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.8 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.8 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.8 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.8 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.8 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.8 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.8 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.8 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.8 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.8 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.8 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.8 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 5.8 | " | " | " | " | " | " | |
| Methylene chloride | ND | 5.8 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 5.8 | " | " | " | " | " | " | |
| Naphthalene | ND | 5.8 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 5.8 | " | " | " | " | " | " | |
| Styrene | ND | 5.8 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.8 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.8 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 5.8 | " | " | " | " | " | " | |
| Toluene | ND | 5.8 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 5.8 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 5.8 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.8 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.8 | " | " | " | " | " | " | |
| Trichloroethene | ND | 5.8 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 5.8 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 5.8 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV11-10 (2107188-17) Soil Sampled: 07/13/21 | 10:20 Receive | d: 07/13/21 17: | :07 | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.8 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 1,3,5-Trimethylbenzene | ND | 5.8 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.8 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 5.8 | " | " | " | " | " | " | |
| o-Xylene | ND | 5.8 | " | " | " | " | " | " | |
| SV11-15 (2107188-18) Soil Sampled: 07/13/21 | 10:26 Receive | d: 07/13/21 17: | :07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 106 % | 80- | 120 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 102 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 96.2 % | 74- | 121 | " | " | " | " | |
| Benzene | ND | 6.4 | " | " | " | " | " | " | |
| Bromobenzene | ND | 6.4 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 6.4 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 6.4 | " | " | " | " | " | " | |
| Bromoform | ND | 6.4 | " | " | " | " | " | " | |
| Bromomethane | ND | 6.4 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 6.4 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 6.4 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 6.4 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 6.4 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 6.4 | " | " | " | " | " | " | |
| Chloroethane | ND | 6.4 | " | " | " | " | " | " | |
| Chloroform | ND | 6.4 | " | " | " | " | " | " | |
| Chloromethane | ND | 6.4 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 6.4 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 6.4 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 6.4 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 6.4 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 6.4 | " | " | " | " | " | " | |
| Dibromomethane | ND | 6.4 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 6.4 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 6.4 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 6.4 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 6.4 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 6.4 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 6.4 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 6.4 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 6.4 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 6.4 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 6.4 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 6.4 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|-----------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV11-15 (2107188-18) Soil 5 | Sampled: 07/13/21 10:26 | Received: | 07/13/21 17 | :07 | | | | | | |
| 2,2-Dichloropropane | | ND | 6.4 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 1,1-Dichloropropene | | ND | 6.4 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | | ND | 6.4 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | | ND | 6.4 | " | " | " | " | " | " | |
| Ethylbenzene | | ND | 6.4 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 6.4 | " | " | " | " | " | " | |
| Isopropylbenzene | | ND | 6.4 | " | " | " | " | " | " | |
| p-Isopropyltoluene | | ND | 6.4 | " | " | " | " | " | " | |
| Methylene chloride | | ND | 6.4 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 6.4 | " | " | " | " | " | " | |
| Naphthalene | | ND | 6.4 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 6.4 | " | " | " | " | " | " | |
| Styrene | | ND | 6.4 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 6.4 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 6.4 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 6.4 | " | " | " | " | " | " | |
| Toluene | | ND | 6.4 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 6.4 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 6.4 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 6.4 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 6.4 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 6.4 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 6.4 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 6.4 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 6.4 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 6.4 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 6.4 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 6.4 | " | " | " | " | " | " | |
| o-Xylene | | ND | 6.4 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|-------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV12-5 (2107188-19) Soil Sampled: 07/13/21 10:4 | 49 Received | : 07/13/21 17:0 |)7 | | | | | | |
| Surrogate: Dibromofluoromethane | | 110 % | 80- | | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 101 % | 81 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 95.6 % | 74- | 121 | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| | | D | • | <u> </u> | | | | | |
|--|--|--|----------------|----------|---|---|---|---|------|
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| SV12-5 (2107188-19) Soil Sampled: 07/13/2 | 21 10:49 Received: | 07/13/21 17:0 | 07 | | | | | | |
| p-Isopropyltoluene | ND | 5.0 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Methylene chloride | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| SV12-10 (2107188-20) Soil Sampled: 07/13 | 3/21 10:58 Received | l: 07/13/21 17 | :07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 106 % | 80-1 | 20 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 101 % | 81-1 | | | ,, | | | |
| Surrogate: 4-Bromofluorobenzene | | 101/0 | 01-1 | 17 | " | " | " | " | |
| | | 97.4 % | 74-1 | | " | " | " | " | |
| Benzene | ND | | | | | | | | |
| Benzene Bromobenzene | ND ND | 97.4 % | 74-1 | 21 | " | " | " | " | |
| | | 97.4 % 5.0 | 74-1 " | 21 | " | " | " | " | |
| Bromobenzene Bromochloromethane | ND | 97.4 % 5.0 5.0 | 74-1 " | 21 | " " | " | " " | " " | |
| Bromobenzene Bromochloromethane Bromodichloromethane | ND ND | 97.4 % 5.0 5.0 5.0 | 74-1 " " | 21 | " " " | " " | " " " " | " " | |
| Bromobenzene Bromochloromethane Bromodichloromethane Bromoform | ND ND ND | 97.4 % 5.0 5.0 5.0 5.0 | 74-1 " " | 21 | " | """"""""""""""""""""""""""""""""""""""" | " | " | |
| Bromobenzene Bromochloromethane Bromodichloromethane Bromoform Bromomethane | ND ND ND ND | 97.4 % 5.0 5.0 5.0 5.0 5.0 | 74-1 | 21 | " | """"""""""""""""""""""""""""""""""""""" | " | " | |
| Bromobenzene Bromochloromethane Bromodichloromethane Bromoform Bromomethane | ND ND ND ND ND | 97.4 % 5.0 5.0 5.0 5.0 5.0 5.0 | 74-1 | 21 | " | "" "" "" "" "" "" "" "" "" "" "" "" "" | " | " | |
| Bromobenzene Bromochloromethane Bromodichloromethane Bromoform Bromomethane n-Butylbenzene sec-Butylbenzene | ND ND ND ND ND | 97.4 % 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 | 74-1 | 21 | " | " " " " " " | "" "" "" "" "" "" "" "" "" "" "" "" "" | # " " " " " " " " " " " " " " " " " " " | |
| Bromobenzene Bromochloromethane Bromodichloromethane Bromoform Bromomethane n-Butylbenzene sec-Butylbenzene tert-Butylbenzene | ND ND ND ND ND ND | 97.4 % 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 | 74-1 | 21 | "" "" "" "" "" "" "" "" "" "" "" "" "" | " " " " " " " " " | "" "" "" "" "" "" "" "" "" "" "" "" "" | # # # # # # # # # # # # # # # # # # # | |
| Bromobenzene Bromochloromethane Bromodichloromethane Bromoform Bromomethane n-Butylbenzene sec-Butylbenzene tert-Butylbenzene Carbon tetrachloride | ND ND ND ND ND ND ND ND ND ND | 97.4 % 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 | 74-1 | 21 | "" "" "" "" "" "" "" "" "" "" "" "" "" | " | "" "" "" "" "" "" "" "" "" "" "" "" "" | # " " " " " " " " " " " " " " " " " " " | |
| Bromobenzene Bromochloromethane Bromodichloromethane Bromoform Bromomethane n-Butylbenzene sec-Butylbenzene tert-Butylbenzene Carbon tetrachloride Chlorobenzene | ND ND ND ND ND ND ND ND ND ND ND ND ND N | 97.4 % 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 | 74-1 | 21 | " " " " " " " " " " " " " " | "" "" "" "" "" "" "" "" "" "" "" "" "" | "" "" "" "" "" "" "" "" "" "" "" "" "" | # # # # # # # # # # # # # # # # # # # | |
| Bromobenzene Bromochloromethane Bromodichloromethane Bromoform Bromomethane n-Butylbenzene | ND ND ND ND ND ND ND ND ND ND ND | 97.4 % 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 | 74-1 | 21 | # # # # # # # # # # # # # # # # # # # | "" "" "" "" "" "" "" "" "" "" "" "" "" | "" "" "" "" "" "" "" "" "" "" "" "" "" | # # # # # # # # # # # # # # # # # # # | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV12-10 (2107188-20) Soil Sampled: 07/13/21 10:5 | 8 Received | d: 07/13/21 17 | :07 | | | | | | |
| 2-Chlorotoluene | ND | 5.0 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 5.0 | " | " | ,, | " | " | " | |
| 1,2,3-Trichloropropane | ND | 5.0 | ,, | ,, | ,, | ,, | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|------------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV12-10 (2107188-20) Soil Sampled: 07/13/2 | 1 10:58 Receive | d: 07/13/21 17 | :07 | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | μg/kg | 1 | B1G1407 | 07/14/21 | 07/15/21 07:36 | EPA 8260B | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| SV12-15 (2107188-21) Soil Sampled: 07/13/2 | 1 11:07 Received | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 102 % | 80-1 | 20 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 99.5 % | 81-1 | 17 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 98.6 % | 74-1 | 21 | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |



Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | F | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------|------------------------|-------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV12-15 (2107188-21) Soil Sa | ampled: 07/13/21 11:07 | Received: 0 | 7/13/21 17 | :07 | | | | | | |
| 2,2-Dichloropropane | | ND | 5.0 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| 1,1-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | | ND | 5.0 | " | " | " | " | " | " | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reported:



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Surrogate: Inhuene-als | Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|--|-----------|--------------------|-------|----------|-------|----------|----------|--------|-------|
| Surrogate: Inhuene-als | SV13-5 (2107188-22) Soil Sampled: 07/13/21 11:26 | Received: | 07/13/21 17:0 | 7 | | | | | | |
| Surrogate: 4-Bromofluorobenzene | Surrogate: Dibromofluoromethane | | | | | | | | | |
| Samogale - 9-binnightorouterace | Surrogate: Toluene-d8 | | | 81- | 117 | | " | | | |
| Bromokenzene ND S.0 " " " " " " " " " | Surrogate: 4-Bromofluorobenzene | | | | | | | | | |
| Bromochloromethane ND S.0 | Benzene | | | | | | | | | |
| Bromodichloromethane ND S.0 " | | | | " | | | | | " | |
| Bromoform ND 5.0 " <t< td=""><td></td><td></td><td></td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td></td></t<> | | | | " | " | " | " | " | " | |
| Bromomethane | | | | | | | | | " | |
| ND S.0 ND S.0 | | | | | | | | | " | |
| sec-Buylbenzene ND 5.0 " | | | | | | | | | " | |
| tert-Butylbenzene | | | | " | | " | " | | " | |
| Carbon tetrachloride ND 5.0 " | sec-Butylbenzene | | | | | " | | | " | |
| Chlorochtane | - | | | | | | | | | |
| Chlorochtane | | | | | | | | | " | |
| Chloroform | | | | | | | " | | " | |
| Chloromethane | | | | " | " | " | " | " | " | |
| 2-Chlorotoluene ND 5.0 " " " " " " " " " " " " " " " " " " " | Chloroform | | | " | " | " | " | " | " | |
| A-Chlorotoluene | Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane ND 5.0 " | 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane ND 5.0 " <td< td=""><td>4-Chlorotoluene</td><td>ND</td><td>5.0</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td></td></td<> | 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) ND 5.0 " " " " " " " | Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane ND 5.0 " " " " " " " " " | 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene ND 5.0 " <td>1,2-Dibromoethane (EDB)</td> <td></td> <td>5.0</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td> | 1,2-Dibromoethane (EDB) | | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene ND 5.0 " <td>Dibromomethane</td> <td></td> <td></td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td> | Dibromomethane | | | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene ND 5.0 " | 1,2-Dichlorobenzene | | | " | " | " | " | " | " | |
| Dichlorodifluoromethane ND 5.0 " " " " " " " " " " " " " " " " " " " | 1,3-Dichlorobenzene | ND | 5.0 | | | | " | | " | |
| 1,1-Dichloroethane ND 5.0 " | 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | Dichlorodifluoromethane | ND | 5.0 | | " | " | " | " | " | |
| 1,1-Dichloroethene ND 5.0 " | 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene ND 5.0 "< | 1,2-Dichloroethane | | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene ND 5.0 " " " " " " " " " " " " " " " 1,2-Dichloropropane ND 5.0 " " " " " " " " " " " " " " " " " " " | 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane ND 5.0 " <td>cis-1,2-Dichloroethene</td> <td>ND</td> <td>5.0</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td> | cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane ND 5.0 " <td>trans-1,2-Dichloroethene</td> <td>ND</td> <td>5.0</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td> | trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane ND 5.0 " <td>1,2-Dichloropropane</td> <td>ND</td> <td>5.0</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td> | 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene ND 5.0 " <td>1,3-Dichloropropane</td> <td>ND</td> <td>5.0</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td> | 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene ND 5.0 " </td <td>2,2-Dichloropropane</td> <td>ND</td> <td>5.0</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td> | 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene ND 5.0 " <th< td=""><td>1,1-Dichloropropene</td><td>ND</td><td>5.0</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td></td></th<> | 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene ND 5.0 " " " " " " " " " Hexachlorobutadiene ND 5.0 " " " " " " " " " " " | cis-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene ND 5.0 " " " " " " | trans-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| | Ethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene ND 5.0 " " " " " " | Hexachlorobutadiene | ND | 5.0 | " | " | " | " | " | " | |
| | Isopropylbenzene | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|--|---|--|---|--|---|--|--------|
| | | | Dilution | Dateii | 1 Tepated | Anaryzeu | Menion | INOL |
| 1 11:26 Received: | 07/13/21 17:0 | 07 | | | | | | |
| ND | 5.0 | $\mu g/kg$ | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| | | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| | | " | " | " | " | " | " | |
| ND | 5.0 | " | " | " | " | " | " | |
| 21 11:31 Received | : 07/13/21 17 | :07 | | | | | | |
| | 104 % | 80-1 | 20 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| | | | | | . | | | |
| | 101 % | 81- | | " | " | " | " | |
| | 101 % 100 % | 81-1 74-1 | 17 | | " | " | | |
| ND | 100 % | 81-1 74-1 | 17 | " | | | " | |
| ND ND | 100 % 5.0 | 74-1 | 17 21 | " | " | " | " | |
| ND | 100 % 5.0 5.0 | 74-1 | 117 21 | " | " | " | " " | |
| ND ND | 100 % 5.0 5.0 5.0 | 74-1 " | 117 121 " | " | " " | " " " | " | |
| ND ND ND | 5.0 5.0 5.0 5.0 5.0 | 74-1 " " | 117 21 " | " " " " | " " | " " " " | " | |
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| ND ND ND ND ND | 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 | 74-1 | 17 21 " " " " " " " " " " " " " " " " " " | " | "" "" "" "" "" "" "" "" "" "" "" "" "" | "" "" "" "" "" "" "" "" "" "" "" "" "" | " | |
| ND ND ND ND ND ND ND ND | 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 | 74-1 | 17 21 " " " " " " " " " " " " " " " " " " | " | "" "" "" "" "" "" "" "" "" "" "" "" "" | " " " " " " " " | " | |
| ND ND ND ND ND ND ND ND ND ND | 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 | 74-1 | 17 21 " " " " " " " " " " " " " " " " " " | " " " " " " " " " " " " " " " " " " " | " | " " " " " " " " " " | "" "" "" "" "" "" "" "" "" "" "" "" "" | |
| ND ND ND ND ND ND ND ND ND ND ND ND | 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 | 74-1 | 17 21 """""""""""""""""""""""""""""""""" | " " " " " " " " " " " " " " " " " " " | """"""""""""""""""""""""""""""""""""""" | " " " " " " " " " " " " | "" "" "" "" "" "" "" "" "" "" "" "" "" | |
| ND ND ND ND ND ND ND ND ND ND ND ND ND N | 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 | 74-1 | 17 21 """""""""""""""""""""""""""""""""" | " " " " " " " " " " " " " " " " " " " | "" "" "" "" "" "" "" "" "" "" "" "" "" | " " " " " " " " " " " " | "" "" "" "" "" "" "" "" "" "" "" "" "" | |
| ND ND ND ND ND ND ND ND ND ND ND ND | 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 | 74-1 | 17 21 """""""""""""""""""""""""""""""""" | " " " " " " " " " " " " " " " " " " " | "" "" "" "" "" "" "" "" "" "" "" "" "" | " " " " " " " " " " " " | "" "" "" "" "" "" "" "" "" "" "" "" "" | |
| | ND ND ND ND ND ND ND ND ND ND ND ND ND N | ND S.0 ND S.0 | Result Limit Units 111:26 Received: 07/13/21 17:07 ND 5.0 μg/kg ND 5.0 " ND 5.0 <td>Result Limit Units Dilution I 11:26 Received: 07/13/21 17:07 ND 5.0 μg/kg 1 ND 5.0 " " ND 5.0 "</td> <td> Result Limit Units Dilution Batch 11:26 Received: 07/13/21 17:07 </td> <td> Result Limit Units Dilution Batch Prepared 11:26 Received: 07/13/21 17:07 </td> <td>Result Limit Units Dilution Batch Prepared Analyzed 1 11:26 Received: 07/13/21 17:07 ND 5.0 μg/kg 1 B1G1505 07/15/21 07/15/21 13:22 ND 5.0 " " " " " " <td> Result</td></td> | Result Limit Units Dilution I 11:26 Received: 07/13/21 17:07 ND 5.0 μg/kg 1 ND 5.0 " " ND 5.0 " | Result Limit Units Dilution Batch 11:26 Received: 07/13/21 17:07 | Result Limit Units Dilution Batch Prepared 11:26 Received: 07/13/21 17:07 | Result Limit Units Dilution Batch Prepared Analyzed 1 11:26 Received: 07/13/21 17:07 ND 5.0 μg/kg 1 B1G1505 07/15/21 07/15/21 13:22 ND 5.0 " " " " " " <td> Result</td> | Result |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------|--------------------|-----------|----------|---------|----------|----------------|-----------|-------|
| | | | | | | Parea | ,2 | | 1,010 |
| SV13-10 (2107188-23) Soil Sampled: 07/13/21 11:: | | | | | | | | | |
| 2-Chlorotoluene | ND | 5.0 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | ND | 5.0 | " | " | " | " | " | " | |
| 1.2.3-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | ND | 5.0 | ,, | " | " | ,, | " | " | |
| Trichlorofluoromethane | ND ND | 5.0 | ,, | ,, | " | " | " | " | |
| 1,2,3-Trichloropropane | ND ND | 5.0 | ,, | ,, | " | " | " | " | |
| 1,2,3-111cmoropropane | עאו | 5.0 | | | | | | | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| | μg/kg " " " | 117 121 | B1G1505 | 07/15/21 | 07/15/21 13:22 " " " " " " " " " " " " " " " " " " | EPA 8260B " " " " " EPA 8260B " " | |
|---|--|---|---|---|--|---|---|
| 5.0 5.0 5.0 5.0 eived: 07/13/21 17 106 % 101 % 97.4 % 5.0 5.0 5.0 | 7:07 80- 81- 74- | " " " " " " " " " " " " " " " " " " " | B1G1505 | 07/15/21 | 07/15/21 13:22 | " " " " " " " " " " " " " " " " " " " | |
| 5.0 5.0 5.0 eived: 07/13/21 17 106 % 101 % 97.4 % 5.0 5.0 5.0 | 7:07 80- 81- 74- | " " " " " " " " " " " " " " " " " " " | B1G1505 | 07/15/21 | 07/15/21 13:22 | " " " EPA 8260B " | |
| 5.0 5.0 eived: 07/13/21 17 106 % 101 % 97.4 % 5.0 5.0 5.0 | 7:07 80- 81- 74- | " " 120 117 121 | B1G1505 | 07/15/21 | 07/15/21 13:22 | " " " " EPA 8260B " | |
| 5.0 eived: 07/13/21 17 106 % 101 % 97.4 % 5.0 5.0 5.0 | 80- 81- 74- | " 120 117 121 | B1G1505 | 07/15/21 | 07/15/21 13:22 | " EPA 8260B " | |
| 106 % 101 % 97.4 % 5.0 5.0 5.0 | 80- 81- 74- | 120 117 121 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| 106 % 101 % 97.4 % 5.0 5.0 | 80- 81- 74- | 117 121 | " | " | " | " | |
| 101 % 97.4 % 5.0 5.0 5.0 | 81- 74- | 117 121 | " | " | " | " | |
| 97.4 % 5.0 5.0 5.0 | 74- " | 121 | " | " | | | |
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Santa Monica CA, 90405 Project Manager: Susan Mearns

Reported: 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV13-15 (2107188-24) Soil | Sampled: 07/13/21 11:38 | Received: | 07/13/21 17 | :07 | | | | | | |
| 2,2-Dichloropropane | | ND | 5.0 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| 1,1-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV14-5 (2107188-25) Soil Sampled: 07/13/21 12:49 | 9 Received: | : 07/13/21 17:0 | 7 | | | | | | |
| Surrogate: Dibromofluoromethane | | 104 % | 80- | | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 103 % | | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 99.6 % | 74- | | " | " | " | " | |
| Benzene | ND | 5.6 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.6 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.6 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.6 | " | " | " | " | " | " | |
| Bromoform | ND | 5.6 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.6 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.6 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.6 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.6 | " | " | " | " | " | " | |
| Chloroform | ND | 5.6 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.6 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.6 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.6 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.6 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.6 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.6 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.6 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.6 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.6 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.6 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.6 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.6 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.6 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.6 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.6 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.6 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.6 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.6 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.6 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|---------------------|--------------------|------------|----------|---------|-----------|----------------|-----------|------|
| - | | | | Dilution | Daten | 1 repared | Anaryzeu | Menion | NOL |
| SV14-5 (2107188-25) Soil Sampled: 07/13/ | /21 12:49 Received: | 07/13/21 17:0 | 07 | | | | | | |
| p-Isopropyltoluene | ND | 5.6 | $\mu g/kg$ | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Methylene chloride | ND | 5.6 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 5.6 | " | " | " | " | " | " | |
| Naphthalene | ND | 5.6 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| Styrene | ND | 5.6 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.6 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 5.6 | " | " | " | " | " | " | |
| Toluene | ND | 5.6 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 5.6 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 5.6 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.6 | " | " | " | " | " | " | |
| Trichloroethene | ND | 5.6 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 5.6 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 5.6 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 5.6 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.6 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 5.6 | " | " | " | " | " | " | |
| o-Xylene | ND | 5.6 | " | " | " | " | " | " | |
| SV14-10 (2107188-26) Soil Sampled: 07/13 | 3/21 12:54 Received | 1: 07/13/21 17 | :07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 104 % | 80- | 120 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 103 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 100 % | 74- | 121 | " | " | " | " | |
| Benzene | ND | 5.9 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.9 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.9 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.9 | " | " | " | " | " | " | |
| Bromoform | ND | 5.9 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.9 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.9 | | " | " | " | " | " | |
| | ND | 5.9 | " | " | " | " | " | " | |
| sec-Butylbenzene | | 5.9 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 3.9 | | | | | | | |
| sec-Butylbenzene tert-Butylbenzene | ND ND | | | " | " | " | " | " | |
| sec-Butylbenzene tert-Butylbenzene Carbon tetrachloride | ND | 5.9 | " | " | " | " | " | " | |
| sec-Butylbenzene tert-Butylbenzene Carbon tetrachloride Chlorobenzene | ND ND | 5.9 5.9 | | " " | | | " " " | | |
| sec-Butylbenzene tert-Butylbenzene | ND | 5.9 | " | " " " | " | | " " " | | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Not |
|---|----------------|--------------------|-------------|----------|---------|---------------------------------------|----------------|-----------|-----|
| SV14-10 (2107188-26) Soil Sampled: 07/13/21 | 12:54 Received | : 07/13/21 17 | ':07 | | | · · · · · · · · · · · · · · · · · · · | | | |
| 2-Chlorotoluene | ND | 5.9 | | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| 4-Chlorotoluene | ND ND | 5.9 | μg/kg " | 1 " | B1G1505 | 0//15/21 | 0//13/21 13:22 | EPA 8200B | |
| Dibromochloromethane | ND | 5.9 | " | ,, | ,, | ,, | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.9 | ,, | " | ,, | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.9 | | ,, | " | ,, | " | " | |
| Dibromomethane | ND | 5.9 | | ,, | " | ,, | " | " | |
| 1,2-Dichlorobenzene | ND | 5.9 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.9 | " | " | " | " | ,, | " | |
| 1,4-Dichlorobenzene | ND | 5.9 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.9 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.9 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.9 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.9 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.9 | " | " | " | " | ,, | " | |
| trans-1,2-Dichloroethene | ND | 5.9 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.9 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.9 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.9 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.9 | " | " | " | " | ,, | " | |
| cis-1,3-Dichloropropene | ND | 5.9 | " | " | " | " | ,, | " | |
| trans-1,3-Dichloropropene | ND | 5.9 | " | " | " | " | " | " | |
| Ethylbenzene | 23 | 5.9 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.9 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.9 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 5.9 | " | " | " | " | " | " | |
| Methylene chloride | ND | 5.9 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 5.9 | " | " | " | " | " | " | |
| Naphthalene | ND | 5.9 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 5.9 | " | " | " | " | " | " | |
| Styrene | ND | 5.9 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.9 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.9 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 5.9 | " | " | " | " | " | " | |
| Toluene | ND | 5.9 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 5.9 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 5.9 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.9 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.9 | " | " | " | " | " | " | |
| Trichloroethene | ND | 5.9 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 5.9 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 5.9 | ,, | ,, | " | ,, | ,, | ,, | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------------|--------------------|-------------|----------|---------|----------|----------------|-----------|-------|
| SV14-10 (2107188-26) Soil Sampled: 07/13/21 12 | :54 Received | 1: 07/13/21 17 | ':07 | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.9 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| 1,3,5-Trimethylbenzene | ND | 5.9 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.9 | " | " | " | " | " | " | |
| m,p-Xylene | 110 | 5.9 | " | " | " | " | " | " | |
| o-Xylene | 43 | 5.9 | " | " | " | " | " | " | |
| SV14-15 (2107188-27) Soil Sampled: 07/13/21 13 | :01 Received | d: 07/13/21 17 | ':07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 101 % | 80 | 120 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 102 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 98.9 % | 74- | 121 | " | " | " | " | |
| Benzene | ND | 5.7 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.7 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.7 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.7 | " | " | " | " | " | " | |
| Bromoform | ND | 5.7 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.7 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.7 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.7 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.7 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.7 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.7 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.7 | " | " | " | " | " | " | |
| Chloroform | ND | 5.7 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.7 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.7 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.7 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.7 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.7 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.7 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.7 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.7 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.7 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.7 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.7 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.7 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.7 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.7 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.7 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.7 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.7 | " | " | ,, | " | " | " | |
| 1,3-Dichloropropane | ND | 5.7 | " | " | ,, | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | 1 | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|---------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV14-15 (2107188-27) Soil | Sampled: 07/13/21 13:01 | Receive | ed: 07/13/21 17 | :07 | | | | | | |
| 2,2-Dichloropropane | | ND | 5.7 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| 1,1-Dichloropropene | | ND | 5.7 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | | ND | 5.7 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | | ND | 5.7 | " | " | " | " | " | " | |
| Ethylbenzene | | ND | 5.7 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 5.7 | " | " | " | " | " | " | |
| Isopropylbenzene | | ND | 5.7 | " | " | " | " | " | " | |
| p-Isopropyltoluene | | ND | 5.7 | " | " | " | " | " | " | |
| Methylene chloride | | ND | 5.7 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 5.7 | " | " | " | " | " | " | |
| Naphthalene | | ND | 5.7 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 5.7 | " | " | " | " | " | " | |
| Styrene | | ND | 5.7 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 5.7 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 5.7 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 5.7 | " | " | " | " | " | " | |
| Toluene | | ND | 5.7 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 5.7 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 5.7 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 5.7 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 5.7 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 5.7 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 5.7 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 5.7 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 5.7 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 5.7 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 5.7 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 5.7 | " | " | " | " | " | " | |
| o-Xylene | | ND | 5.7 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV15-5 (2107188-28) Soil Sampled: 07/13/21 13:19 | Received: | 07/13/21 17:0 | 7 | | | | | | |
| Surrogate: Dibromofluoromethane | | 101 % | 80-1 | 120 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 102 % | 81-1 | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 95.7 % | 74-1 | 121 | " | " | " | " | |
| Benzene | ND | 8.7 | " | " | " | " | " | " | |
| Bromobenzene | ND | 8.7 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 8.7 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 8.7 | " | " | " | " | " | " | |
| Bromoform | ND | 8.7 | " | " | " | " | " | " | |
| Bromomethane | ND | 8.7 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 8.7 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 8.7 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 8.7 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 8.7 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 8.7 | " | " | " | " | " | " | |
| Chloroethane | ND | 8.7 | " | " | " | " | " | " | |
| Chloroform | ND | 8.7 | " | " | " | " | " | " | |
| Chloromethane | ND | 8.7 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 8.7 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 8.7 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 8.7 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 8.7 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 8.7 | " | " | " | " | " | " | |
| Dibromomethane | ND | 8.7 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 8.7 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 8.7 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 8.7 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 8.7 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 8.7 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 8.7 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 8.7 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 8.7 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 8.7 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 8.7 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 8.7 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 8.7 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 8.7 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 8.7 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 8.7 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 8.7 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 8.7 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 8.7 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|---------------------|--------------------|------------|----------|---------|-----------|----------------|-----------|------|
| - | | | | Dilution | Daten | 1 repared | Allalyzeu | Meniod | NOL |
| SV15-5 (2107188-28) Soil Sampled: 07/13/ | 21 13:19 Received: | 07/13/21 17:0 | 07 | | | | | | |
| p-Isopropyltoluene | ND | 8.7 | $\mu g/kg$ | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Methylene chloride | ND | 8.7 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 8.7 | " | " | " | " | " | " | |
| Naphthalene | ND | 8.7 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 8.7 | " | " | " | " | " | " | |
| Styrene | ND | 8.7 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 8.7 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 8.7 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 8.7 | " | " | " | " | " | " | |
| Toluene | ND | 8.7 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 8.7 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 8.7 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 8.7 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 8.7 | " | " | " | " | " | " | |
| Trichloroethene | ND | 8.7 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 8.7 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 8.7 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 8.7 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 8.7 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 8.7 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 8.7 | " | " | " | " | " | " | |
| o-Xylene | ND | 8.7 | " | " | " | " | " | " | |
| SV15-10 (2107188-29) Soil Sampled: 07/13 | 3/21 13:23 Received | l: 07/13/21 17 | :07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 107 % | 80- | 120 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 101 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 98.2 % | 74- | | " | " | " | " | |
| Benzene | ND | 6.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 6.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 6.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 6.0 | " | " | " | " | " | " | |
| Bromoform | ND | 6.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 6.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 6.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 6.0 | " | " | " | " | " | " | |
| • | ND | 6.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | | | ,, | " | " | " | " | " | |
| | ND | 6.0 | | | | | | | |
| Carbon tetrachloride | ND ND | 6.0 6.0 | | " | " | " | " | " | |
| Carbon tetrachloride Chlorobenzene | ND | 6.0 | " | " | " | " | " | " | |
| tert-Butylbenzene Carbon tetrachloride Chlorobenzene Chloroethane Chloroform | | | " | " " | | " | " " | " " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|-------------------|--------------------|-------------|----------|---------|----------|----------------|-----------|------|
| SV15-10 (2107188-29) Soil Sampled: 07/13/2 | 21 13:23 Received | d: 07/13/21 17 | ':07 | | | | | | |
| 2-Chlorotoluene | ND | 6.0 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| 4-Chlorotoluene | ND | 6.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 6.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 6.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 6.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 6.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 6.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 6.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 6.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 6.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 6.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 6.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 6.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 6.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 6.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 6.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 6.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 6.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 6.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 6.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 6.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 6.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 6.0 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 6.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 6.0 | " | " | " | " | " | " | |
| Methylene chloride | ND | 6.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 6.0 | " | " | " | " | " | " | |
| Naphthalene | ND | 6.0 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 6.0 | " | " | " | " | " | " | |
| Styrene | ND | 6.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 6.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 6.0 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 6.0 | " | " | " | " | " | " | |
| Toluene | ND | 6.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 6.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 6.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 6.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 6.0 | " | " | " | " | " | " | |
| Trichloroethene | ND | 6.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 6.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 6.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|------------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV15-10 (2107188-29) Soil Sampled: 07/13/2 | 21 13:23 Receive | d: 07/13/21 17 | :07 | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 6.0 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| 1,3,5-Trimethylbenzene | ND | 6.0 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 6.0 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 6.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 6.0 | " | " | " | " | " | " | |
| SV15-15 (2107188-30) Soil Sampled: 07/13/2 | 21 13:27 Receive | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 109 % | 80-1 | 20 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 100 % | 81-1 | 17 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 97.1 % | 74-1 | 21 | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | ,, | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | | ,, | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | F | Lesult | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV15-15 (2107188-30) Soil | Sampled: 07/13/21 13:27 | Received: 0 | 7/13/21 17 | 7:07 | | | | | | |
| 2,2-Dichloropropane | | ND | 5.0 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| 1,1-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV16-5 (2107188-31) Soil Sampled: 07/13/21 13:54 | Received | 07/13/21 17:0 | 17 | | | | | | |
| Surrogate: Dibromofluoromethane | | 105 % | 80-1 | | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 100 % | 81-1 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 101 % | 74-1 | 21 | " | " | " | " | |
| Benzene | ND | 6.4 | " | " | " | " | " | " | |
| Bromobenzene | ND | 6.4 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 6.4 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 6.4 | " | " | " | " | " | " | |
| Bromoform | ND | 6.4 | " | " | " | " | " | " | |
| Bromomethane | ND | 6.4 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 6.4 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 6.4 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 6.4 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 6.4 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 6.4 | " | " | " | " | " | " | |
| Chloroethane | ND | 6.4 | " | " | " | " | " | " | |
| Chloroform | ND | 6.4 | " | " | " | " | " | " | |
| Chloromethane | ND | 6.4 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 6.4 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 6.4 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 6.4 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 6.4 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 6.4 | " | " | " | " | " | " | |
| Dibromomethane | ND | 6.4 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 6.4 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 6.4 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 6.4 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 6.4 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 6.4 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 6.4 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 6.4 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 6.4 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 6.4 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 6.4 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 6.4 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 6.4 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 6.4 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 6.4 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 6.4 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 6.4 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 6.4 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 6.4 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|---------------------|--------------------|-------|----------|---------|-----------|----------------|-----------|------|
| - | | | | Dilution | Dalvii | 1 repared | Analyzeu | Menion | INOU |
| SV16-5 (2107188-31) Soil Sampled: 07/13/ | /21 13:54 Received: | 07/13/21 17: | 07 | | | | | | |
| p-Isopropyltoluene | ND | 6.4 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Methylene chloride | ND | 6.4 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 6.4 | " | " | " | " | " | " | |
| Naphthalene | ND | 6.4 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 6.4 | " | " | " | " | " | " | |
| Styrene | ND | 6.4 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 6.4 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 6.4 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 6.4 | " | " | " | " | " | " | |
| Toluene | ND | 6.4 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 6.4 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 6.4 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 6.4 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 6.4 | " | " | " | " | " | " | |
| Trichloroethene | ND | 6.4 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 6.4 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 6.4 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 6.4 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 6.4 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 6.4 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 6.4 | " | " | " | " | " | " | |
| o-Xylene | ND | 6.4 | " | " | " | " | " | " | |
| SV16-10 (2107188-32) Soil Sampled: 07/13 | 3/21 13:57 Received | 1: 07/13/21 17 | :07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 107 % | 80- | 120 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 104 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 95.3 % | 74- | | " | " | " | " | |
| Benzene | ND | 6.7 | " | " | " | " | " | " | |
| Bromobenzene | ND | 6.7 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 6.7 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 6.7 | " | " | " | " | " | " | |
| Bromoform | ND | 6.7 | " | " | " | " | " | " | |
| Bromomethane | ND | 6.7 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 6.7 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 6.7 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 6.7 | " | " | " | " | " | " | |
| | ND | 6.7 | " | " | " | " | " | " | |
| | | | | | | ,, | | ,, | |
| Carbon tetrachloride | | 6.7 | " | " | " | " | " | " | |
| Carbon tetrachloride Chlorobenzene | ND | 6.7 6.7 | " | " | " | " | " | " | |
| Carbon tetrachloride | | 6.7 6.7 6.7 | " | " " | | " | " | " " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| ND ND ND ND ND ND | 6.7 6.7 6.7 6.7 6.7 6.7 | μg/kg " | 1 " | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
|----------------------------------|--|---|---|---|--|---|---|--|
| ND ND ND ND ND ND | 6.7 6.7 6.7 | μg/kg " | | | | 07/15/21 13:22 | EPA 8260B | |
| ND ND ND ND | 6.7 6.7 6.7 | " | | | | 07/13/21 13.22 | | |
| ND ND ND ND | 6.7 6.7 | | | | " | " | " | |
| ND ND ND | 6.7 | | " | " | " | ,, | " | |
| ND ND | | " | " | " | " | " | " | |
| ND | | " | " | " | " | " | " | |
| | 6.7 | " | " | " | " | " | " | |
| ND | | " | " | " | " | " | " | |
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738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|------------------------------------|-------------------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV16-10 (2107188-32) Soil Sampled: | 07/13/21 13:57 Received | d: 07/13/21 17: | :07 | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 6.7 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| 1,3,5-Trimethylbenzene | ND | 6.7 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 6.7 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 6.7 | " | " | " | " | " | " | |
| o-Xylene | ND | 6.7 | " | " | " | " | " | " | |
| SV16-15 (2107188-33) Soil Sampled: | 07/13/21 14:00 Received | d: 07/13/21 17: | :07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 111 % | 80- | -120 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 102 % | 81- | -117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 114 % | 74- | 121 | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | ,, | " | " | " | " | " | |
| | | | ., | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | F | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV16-15 (2107188-33) Soil | Sampled: 07/13/21 14:00 | Received: 0 | 7/13/21 17 | 7:07 | | | | | | |
| 2,2-Dichloropropane | | ND | 5.0 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| 1,1-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | | 14 | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|-------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV17-5 (2107188-34) Soil Sampled: 07/13/21 14:4 | 4 Received: | 07/13/21 17:0 | 7 | | | | | | |
| Surrogate: Dibromofluoromethane | | 119 % | 80- | | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 104 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 102 % | 74- | | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|---------------------|--------------------|-------|----------|---------|-----------|----------------|-----------|------|
| - | | | | Dilution | Dateii | 1 repared | Anaryzeu | Meniod | 1101 |
| SV17-5 (2107188-34) Soil Sampled: 07/13/ | /21 14:44 Received: | 07/13/21 17:0 | 07 | | | | | | |
| p-Isopropyltoluene | ND | 5.0 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Methylene chloride | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| SV17-10 (2107188-35) Soil Sampled: 07/13 | 3/21 14:48 Received | 1: 07/13/21 17 | :07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 120 % | 80- | 120 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 106 % | 81- | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 103 % | 74- | | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | ,, | ,, | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | ,, | " | " | |
| | ND | 5.0 | " | " | " | ,, | " | " | |
| sec-Butylbenzene | | 5.0 | " | " | " | ,, | " | " | |
| • | ND | | | | | ,, | | " | |
| tert-Butylbenzene | ND ND | | " | " | " | " | " | " | |
| tert-Butylbenzene Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene Carbon tetrachloride Chlorobenzene | ND ND | 5.0 5.0 | | " | | | " " | | |
| tert-Butylbenzene Carbon tetrachloride | ND | 5.0 | " | " " " | " | | " " " " " | | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|-----------|--------------------|-------|-----------|---------|----------|----------------|-----------|------|
| | | | | Diffution | Бакп | riepared | Anaiyzeu | Memod | note |
| SV17-10 (2107188-35) Soil Sampled: 07/13/21 14:48 | Received: | 07/13/21 17 | :07 | | | | | | |
| 2-Chlorotoluene | ND | 5.0 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---------------|--------------------|-------------|----------|---------|----------|----------------|-----------|-------|
| SV17-10 (2107188-35) Soil Sampled: 07/13/21 1 | 4:48 Received | d: 07/13/21 17 | ':07 | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| SV17-15 (2107188-36) Soil Sampled: 07/13/21 1 | 4:53 Received | d: 07/13/21 17 | ':07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 102 % | 80 | 120 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 106 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 102 % | 74- | 121 | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | ,, | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | ,, | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| | | | ., | " | ,, | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV17-15 (2107188-36) Soil | Sampled: 07/13/21 14:53 | Received: 0 | 7/13/21 17 | 7:07 | | | | | | |
| 2,2-Dichloropropane | | ND | 5.0 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| 1,1-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | | ND | 5.0 | " | ,, | " | ,, | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV18-5 (2107188-37) Soil Sampled: 07/13/21 15:1 | 9 Received | | 7 | | | - | | | |
| Surrogate: Dibromofluoromethane | | 106 % | 80-12 | 20 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 102 % | 81-1 | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 103 % | 74-12 | | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1 17 | | | | | | | | | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|---------------------|--------------------|-------|----------|---------|-----------|----------------|-----------|------|
| - | | | | Dilution | Dateii | 1 repared | Allalyzeu | Meniod | 1101 |
| SV18-5 (2107188-37) Soil Sampled: 07/13/ | 21 15:19 Received: | 07/13/21 17:0 | 07 | | | | | | |
| p-Isopropyltoluene | ND | 5.0 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Methylene chloride | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | ND | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Styrene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| SV18-10 (2107188-38) Soil Sampled: 07/13 | 3/21 15:25 Received | 1: 07/13/21 17 | :07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 116 % | 80- | 120 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 108 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 92.6 % | 74- | | " | " | " | " | |
| Benzene | 8.1 | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | 5.2 | 5.0 | " | " | " | " | " | " | |
| | 35 | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene | | 5.0 | " | " | " | " | " | " | |
| sec-Butylbenzene tert-Butylbenzene | 5.0 | | | | | | | " | |
| tert-Butylbenzene | 5.0 ND | | " | " | " | " | " | | |
| • | ND | 5.0 | " | " | " | " | " | " | |
| tert-Butylbenzene Carbon tetrachloride Chlorobenzene | ND ND | 5.0 5.0 | " | " | | | | | |
| tert-Butylbenzene Carbon tetrachloride | ND | 5.0 | | " " " | " | | | | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|---------------------|--------------------|-------------|----------|---------|----------|----------------|-----------|------|
| SV18-10 (2107188-38) Soil Sampled: 07/1 | 13/21 15:25 Receive | d: 07/13/21 17 | ':07 | | | | | | |
| 2-Chlorotoluene | ND | 5.0 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | 23 | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | 31 | 5.0 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 5.0 | " | " | " | " | " | " | |
| Methylene chloride | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 5.0 | " | " | " | " | " | " | |
| Naphthalene | 36 | 5.0 | " | " | " | " | " | " | |
| n-Propylbenzene | 35 | 5.0 | " | " | " | " | " | " | |
| Styrene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 5.0 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|------------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV18-10 (2107188-38) Soil Sampled: 07/13/2 | 21 15:25 Receive | d: 07/13/21 17 | :07 | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| SV18-15 (2107188-39) Soil Sampled: 07/13/2 | 21 15:29 Receive | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 110 % | 80-1 | 20 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 103 % | 81-1 | 17 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 102 % | 74-1 | 21 | " | " | " | " | |
| Benzene | ND | 4.4 | " | " | " | " | " | " | |
| Bromobenzene | ND | 4.4 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 4.4 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 4.4 | " | " | " | " | " | " | |
| Bromoform | ND | 4.4 | " | " | " | " | " | " | |
| Bromomethane | ND | 4.4 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 4.4 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 4.4 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 4.4 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 4.4 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 4.4 | " | " | " | " | " | " | |
| Chloroethane | ND | 4.4 | " | " | " | " | " | " | |
| Chloroform | ND | 4.4 | " | " | " | " | " | " | |
| Chloromethane | ND | 4.4 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 4.4 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 4.4 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 4.4 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 4.4 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 4.4 | " | " | " | " | " | " | |
| Dibromomethane | ND | 4.4 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 4.4 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 4.4 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 4.4 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 4.4 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 4.4 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 4.4 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 4.4 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 4.4 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 4.4 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 4.4 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 4.4 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | 1 | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|---------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV18-15 (2107188-39) Soil | Sampled: 07/13/21 15:29 | Receive | d: 07/13/21 17 | :07 | | | | | | |
| 2,2-Dichloropropane | | ND | 4.4 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| 1,1-Dichloropropene | | ND | 4.4 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | | ND | 4.4 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | | ND | 4.4 | " | " | " | " | " | " | |
| Ethylbenzene | | ND | 4.4 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 4.4 | " | " | " | " | " | " | |
| Isopropylbenzene | | ND | 4.4 | " | " | " | " | " | " | |
| p-Isopropyltoluene | | ND | 4.4 | " | " | " | " | " | " | |
| Methylene chloride | | ND | 4.4 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | | ND | 4.4 | " | " | " | " | " | " | |
| Naphthalene | | ND | 4.4 | " | " | " | " | " | " | |
| n-Propylbenzene | | ND | 4.4 | " | " | " | " | " | " | |
| Styrene | | ND | 4.4 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | | ND | 4.4 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | | ND | 4.4 | " | " | " | " | " | " | |
| Tetrachloroethene | | ND | 4.4 | " | " | " | " | " | " | |
| Toluene | | ND | 4.4 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | | ND | 4.4 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 4.4 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | | ND | 4.4 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | | ND | 4.4 | " | " | " | " | " | " | |
| Trichloroethene | | ND | 4.4 | " | " | " | " | " | " | |
| Trichlorofluoromethane | | ND | 4.4 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | | ND | 4.4 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | | ND | 4.4 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | | ND | 4.4 | " | " | " | " | " | " | |
| Vinyl chloride | | ND | 4.4 | " | " | " | " | " | " | |
| m,p-Xylene | | ND | 4.4 | " | " | " | " | " | " | |
| o-Xylene | | ND | 4.4 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

$Volatile\ Organic\ Compounds\ by\ EPA\ Method\ 8260B$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV19-5 (2107188-40) Soil Sampled: 07/13/21 15:49 | Received: | 07/13/21 17:0 | 17 | | | | | | |
| Surrogate: Dibromofluoromethane | | 100 % | 80- | | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 105 % | 81- | | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 105 % | 74 | | " | " | " | " | |
| Benzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 5.0 | " | " | " | " | " | " | |
| Bromoform | ND | 5.0 | " | " | " | " | " | " | |
| Bromomethane | ND | 5.0 | " | " | " | " | " | " | |
| n-Butylbenzene | 1000 | 500 | " | 100 | " | " | " | " | |
| sec-Butylbenzene | ND | 5.0 | " | 1 | " | " | " | " | |
| tert-Butylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 5.0 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Chloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Chloroform | ND | 5.0 | " | " | " | " | " | " | |
| Chloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 5.0 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | " | " | " | " | " | |
| Dibromomethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 5.0 | " | " | " | " | " | " | |
| Isopropylbenzene | 3000 | 500 | " | 100 | " | ,, | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|----------------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| | | | | Dilution | Datell | rrepared | Anatyzeu | wichiou | 1100 |
| SV19-5 (2107188-40) Soil Sampled: 07/13 | 3/21 15:49 Received: | 07/13/21 17:0 | 07 | | | | | | |
| p-Isopropyltoluene | ND | 5.0 | μg/kg | 1 | B1G1505 | 07/15/21 | 07/15/21 13:22 | EPA 8260B | |
| Methylene chloride | ND | 5.0 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | 1200 | 500 | " | 100 | " | " | " | " | |
| Naphthalene | 7700 | 500 | " | " | " | " | " | " | |
| n-Propylbenzene | 5700 | 500 | " | " | " | " | " | " | |
| Styrene | ND | 5.0 | " | 1 | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Toluene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 5.0 | " | " | " | " | " | " | |
| Trichloroethene | ND | 5.0 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 5.0 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 5.0 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| o-Xylene | ND | 5.0 | " | " | " | " | " | " | |
| SV19-10 (2107188-41) Soil Sampled: 07/1 | 3/21 15:54 Received | : 07/13/21 17 | :07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 104 % | 80- | 120 | B1G1507 | 07/16/21 | 07/19/21 13:35 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 112 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 117 % | 74- | 121 | " | " | " | " | |
| Benzene | ND | 6.9 | " | " | " | " | " | " | |
| Bromobenzene | ND | 6.9 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 6.9 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 6.9 | " | " | " | " | " | " | |
| Bromoform | ND | 6.9 | " | " | " | " | " | " | |
| Bromomethane | ND | 6.9 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 6.9 | " | " | " | " | " | " | |
| sec-Butylbenzene | 68 | 6.9 | " | " | " | " | " | " | |
| tert-Butylbenzene | 12 | 6.9 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 6.9 | " | " | " | " | " | " | |
| | ND | 6.9 | " | " | " | " | " | " | |
| Chlorobenzene | ND | | | | | | | | |
| | | 6.9 | " | " | " | " | " | " | |
| Chlorobenzene Chloroethane Chloroform | ND ND | | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-------------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV19-10 (2107188-41) Soil Sampled: 07/13 | /21 15:54 Receive | d: 07/13/21 17 | :07 | | | | | | |
| 2-Chlorotoluene | ND | 6.9 | μg/kg | 1 | B1G1507 | 07/16/21 | 07/19/21 13:35 | EPA 8260B | |
| 4-Chlorotoluene | ND | 6.9 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 6.9 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 6.9 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 6.9 | " | " | " | " | " | " | |
| Dibromomethane | ND | 6.9 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 6.9 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 6.9 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 6.9 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 6.9 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 6.9 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 6.9 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 6.9 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 6.9 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 6.9 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 6.9 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 6.9 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 6.9 | " | " | " | " | ,, | " | |
| 1,1-Dichloropropene | ND | 6.9 | " | " | " | " | ,, | " | |
| cis-1,3-Dichloropropene | ND | 6.9 | " | " | " | " | ,, | " | |
| trans-1,3-Dichloropropene | ND | 6.9 | | ,, | " | " | ,, | " | |
| Ethylbenzene | ND | 6.9 | ,, | ,, | ,, | ,, | " | " | |
| Hexachlorobutadiene | ND | 6.9 | ,, | " | ,, | ,, | ,, | " | |
| Isopropylbenzene | 1000 | 690 | ,, | 100 | " | " | ,, | " | |
| | ND | 6.9 | ,, | 100 | ,, | ,, | ,, | " | |
| p-Isopropyltoluene | ND ND | 6.9 | ,, | 1 " | ,, | ,, | ,, | " | |
| Methylene chloride | | | ,, | | ,, | , | ,, | " | |
| Methyl tert-butyl ether | 14000 | 690 | ,, | 100 | ,, | | | | |
| Naphthalene | ND | 690 | " | " | ,, | , | ," | " | |
| n-Propylbenzene | 1600 | 690 | " | | " | " | " | " | |
| Styrene | ND | 6.9 | " | 1 | .1 | " | | | |
| 1,1,1,2-Tetrachloroethane | ND | 6.9 | | | " | | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 6.9 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 6.9 | " | " | " | " | " | " | |
| Toluene | ND | 6.9 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 6.9 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 6.9 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 6.9 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 6.9 | " | " | " | " | " | " | |
| Trichloroethene | ND | 6.9 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 6.9 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 6.9 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|------------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV19-10 (2107188-41) Soil Sampled: 07/13/2 | 21 15:54 Receive | d: 07/13/21 17 | :07 | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 6.9 | μg/kg | 1 | B1G1507 | 07/16/21 | 07/19/21 13:35 | EPA 8260B | |
| 1,3,5-Trimethylbenzene | ND | 6.9 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 6.9 | " | " | " | " | " | " | |
| m,p-Xylene | 7.5 | 6.9 | " | " | " | " | " | " | |
| o-Xylene | ND | 6.9 | " | " | " | " | " | " | |
| SV19-15 (2107188-42) Soil Sampled: 07/13/2 | 21 15:59 Receive | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: Dibromofluoromethane | | 105 % | 80- | 120 | B1G1507 | 07/16/21 | 07/19/21 13:35 | EPA 8260B | |
| Surrogate: Toluene-d8 | | 109 % | 81- | 117 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 95.8 % | 74- | 121 | " | " | " | " | |
| Benzene | ND | 500 | " | 100 | " | " | " | " | |
| Bromobenzene | ND | 500 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 500 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 500 | " | " | " | " | " | " | |
| Bromoform | ND | 500 | " | " | " | " | " | " | |
| Bromomethane | ND | 500 | " | " | " | " | " | " | |
| n-Butylbenzene | 1700 | 500 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 500 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 500 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 500 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 500 | " | " | " | " | " | " | |
| Chloroethane | ND | 500 | " | " | " | " | " | " | |
| Chloroform | ND | 500 | " | " | " | " | " | " | |
| Chloromethane | ND | 500 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 500 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 500 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 500 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 500 | " | " | " | " | " | " | |
| 1,2-Dibromoethane (EDB) | ND | 500 | " | " | " | " | " | " | |
| Dibromomethane | ND | 500 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 500 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 500 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 500 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 500 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 500 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 500 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 500 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 500 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 500 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 500 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 500 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B

Sierra Analytical Labs, Inc.

| Analyte | Resul | Reporting t Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-----------------------------|----------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV19-15 (2107188-42) Soil | Sampled: 07/13/21 15:59 Rec | ceived: 07/13/21 17 | 7:07 | | | | | | |
| 2,2-Dichloropropane | ND | 500 | μg/kg | 100 | B1G1507 | 07/16/21 | 07/19/21 13:35 | EPA 8260B | |
| 1,1-Dichloropropene | ND | 500 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 500 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 500 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 500 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 500 | " | " | " | " | " | " | |
| Isopropylbenzene | 1700 | 500 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 500 | " | " | " | " | " | " | |
| Methylene chloride | ND | 500 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | 12000 | 500 | " | " | " | " | " | " | |
| Naphthalene | 13000 | 500 | " | " | " | " | " | " | |
| n-Propylbenzene | 4100 | 500 | " | " | " | " | " | " | |
| Styrene | ND | 500 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | NE | 500 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | NE | 500 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 500 | " | " | " | " | " | " | |
| Toluene | ND | 500 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | NE | 500 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 500 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | NE | 500 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | NE | 500 | " | " | " | " | " | " | |
| Trichloroethene | NE | 500 | " | " | " | " | " | " | |
| Trichlorofluoromethane | NE | 500 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | NE | 500 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 500 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 500 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 500 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 500 | " | " | " | " | " | " | |
| o-Xylene | ND | 500 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|-------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV6-5 (2107188-01) Soil Sampled: 07/13/21 07:35 | 5 Received: | 07/13/21 17:07 | | | | | | | |
| Surrogate: 2-Fluorophenol | | 101 % | | 121 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 72.7 % | | 113 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 48.5 % | | 120 | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 92.5 % | | 115 | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 97.3 % | | 122 | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 129 % | | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV6-5 (2107188-01) Soil | Sampled: 07/13/21 07:35 | Received: | 07/13/21 17:0 | 7 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | ; | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV6-10 (2107188-02) Soil Sampled: 07/13/21 07: | 44 Received | 1: 07/13/21 17:0 | 07 | | | | | | |
| Surrogate: 2-Fluorophenol | | 90.3 % | 25- | | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 42.7 % | | 113 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 58.8 % | | 120 | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 83.3 % | | 115 | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 34.4 % | | 122 | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 113 % | | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | ,, | " | " | " | ,, | " | |
| 2,4-Dinitrophenol | ND | 0.33 | ,, | ,, | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | ,, | ,, | ,, | ,, | ,, | " | |
| +,0-Dimu0-2-incuryiphenoi | ND | 0.33 | | | | | | | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV6-10 (2107188-02) Soil | Sampled: 07/13/21 07:44 | Received | : 07/13/21 17:0 |)7 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | ,, | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV6-15 (2107188-03) Soil Sampled: 07/13/21 07:51 | Received | : 07/13/21 17:0 | 17 | | | | | | |
| Surrogate: 2-Fluorophenol | | 83.7 % | 25- | | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 34.7 % | 24- | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 48.1 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 76.0 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 23.7 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 44.6 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV6-15 (2107188-03) Soil | Sampled: 07/13/21 07:51 | Received | : 07/13/21 17:0 | 07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | ,, | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | ,, | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | ,, | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | ,, | ,, | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|------------|--------------------|----------------|----------|---------|----------|----------------|-----------|------|
| SV7-5 (2107188-04) Soil Sampled: 07/13/21 08:15 | | | | | | 1 - | | | |
| | 1100011041 | | | 1 | DICIO2 | 07/15/21 | 07/16/21 00 50 | ED4 93797 | |
| Surrogate: 2-Fluorophenol Surrogate: Phenol-d6 | | 77.3 % 85.9 % | 25-12 24-11 | | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| _ | | | 24-11 23-12 | | " | ,, | ,, | " | |
| Surrogate: Nitrobenzene-d5 Surrogate: 2-Fluorobiphenyl | | 41.2 % 104 % | 23-12 30-11 | | ,, | ,, | ,, | " | |
| Surrogate: 2-Fluorobipnenyi Surrogate: 2,4,6-Tribromophenol | | 104 % 82.9 % | 30-11 19-12 | | ,, | ,, | " | " | |
| | | 77.4 % | 19-12 | | ,, | ,, | ,, | " | |
| Surrogate: Terphenyl-d14 Acenaphthene | ND | 0.33 | 10-13 | / " | ,, | ,, | ,, | " | |
| Acenaphthylene | ND ND | 0.33 | " | " | ,, | " | " | " | |
| Anthracene | ND ND | 0.33 | " | " | ,, | " | " | " | |
| Benzidine | ND ND | 0.33 | ,, | ,, | ,, | ,, | " | " | |
| Benzo (a) anthracene | ND ND | 0.33 | ,, | ,, | ,, | ,, | " | " | |
| Benzo (a) anuracene Benzo (b) fluoranthene | ND ND | 0.33 | " | " | ,, | ,, | ,, | " | |
| Benzo (k) fluoranthene | ND ND | 0.33 | " | " | ,, | ,, | ,, | " | |
| Benzo (a) pyrene | ND ND | 0.33 | " | " | ,, | ,, | ,, | " | |
| Benzo (g,h,i) perylene | ND ND | 0.33 | " | " | ,, | " | ,, | " | |
| Benzyl alcohol | ND ND | 0.33 | " | " | ,, | ,, | ,, | " | |
| Bis(2-chloroethyl)ether | ND ND | 0.33 | " | " | ,, | ,, | ,, | " | |
| Bis(2-chloroethoxy)methane | ND ND | 0.33 | " | " | ,, | ,, | ,, | " | |
| Bis(2-ethylhexyl)phthalate | ND ND | 0.33 | " | " | ,, | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND ND | 0.33 | " | " | ,, | ,, | ,, | " | |
| 4-Bromophenyl phenyl ether | ND ND | 0.33 | " | " | ,, | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | ,, | ,, | " | " | |
| 4-Chloroaniline | ND ND | 0.33 | " | " | ,, | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | ,, | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | ,, | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | ,, | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | ,, | " | ,, | ,, | |
| Chrysene | ND | 0.33 | " | " | ,, | " | ,, | ,, | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | ,, | " | ,, | ,, | |
| Dibenzofuran | ND | 0.33 | " | " | ,, | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | ,, | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | ,, | " | ,, | ,, | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | ,, | " | ,, | ,, | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | ,, | " | ,, | ,, | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | ,, | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | ,, | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | ,, | " | ,, | ,, | |
| Dimethyl phthalate | ND | 0.33 | " | " | ,, | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | ,, | " | ,, | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | ,, | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | ,, | " | " | " | |
| 7,0-Dilliu 0-2-ilicii yipiiciioi | עאו | 0.55 | | | | | | | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV7-5 (2107188-04) Soil | Sampled: 07/13/21 08:15 | Received: | 07/13/21 17:0 | 7 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | 2 | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | ; | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | ,, | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-------------|--------------------|-------|----------|---------|----------|----------------|-----------|---------|
| SV7-10 (2107188-05) Soil Sampled: 07/13/21 08:25 | | | | | ***** | r | -, | | - 10101 |
| | . Acteived: | | | | | | | | |
| Surrogate: 2-Fluorophenol | | 89.6 % | 25-12 | | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 43.5 % | 24-11 | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 47.5 % | 23-12 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 74.5 % | 30-11 | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 80.8 % | 19-12 | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 102 % | 18-13 | | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | ,, | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| ,,, Dimuo 2 memyiphenoi | 110 | 0.55 | | | | | | | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV7-10 (2107188-05) Soil | Sampled: 07/13/21 08:25 | Received | : 07/13/21 17: | 07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV7-15 (2107188-06) Soil Sampled: 07/13/21 08:30 | Received | : 07/13/21 17:0 | 7 | | | | | | |
| Surrogate: 2-Fluorophenol | | 69.8 % | 25- | | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 64.9 % | 24- | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 36.9 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 41.0 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 78.2 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 129 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV7-15 (2107188-06) Soil | Sampled: 07/13/21 08:30 | Received | : 07/13/21 17:0 | 07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| SV8-5 (2107188-07) Soil Sampled: 07/13/21 08:56 Received: 07/13/21 17:07 Surrogate: 2-Fluorophenol 119 % 25-121 B1GIO Surrogate: Phenol-d6 31.3 % 24-113 " Surrogate: Nitrobenzene-d5 48.1 % 23-120 " Surrogate: 2-Fluorobiphenyl 42.5 % 30-115 " Surrogate: Terphenyl-d14 45.6 % 19-122 " Acenaphthene ND 0.33 " " " Acenaphthylene ND 0.33 " " " Anthracene ND 0.33 " " " Benzidine ND 0.33 " " " Benzo (a) anthracene ND 0.33 " " " Benzo (b) fluoranthene ND 0.33 " " " Benzo (a) pyrene ND 0.33 " " " Benzo (a) pyrene ND 0.33 " " " Benzo (a) pyrene | 603 07/15/21 0 | | |
|--|----------------|---|----------|
| Surrogate: Phenol-d6 31.3 % 24-113 " Surrogate: Nitrobenzene-d5 48.1 % 23-120 " Surrogate: 2-Fluorobiphenyl 42.5 % 30-115 " Surrogate: 2,4,6-Tribromophenol 29.5 % 19-122 " Surrogate: Terphenyl-d14 45.6 % 18-137 " Acenaphthene ND 0.33 " " " Acenaphthylene ND 0.33 " " " Anthracene ND 0.33 " " " Benzidine ND 0.33 " " " Benzo (a) anthracene ND 0.33 " " " Benzo (b) fluoranthene ND 0.33 " " " Benzo (a) pyrene ND 0.33 " " " Benzo (g,h,i) perylene ND 0.33 " " " Benzyl alcohol ND 0.33 " " " | | | |
| Surrogate: Nitrobenzene-d5 48.1 % 23-120 " Surrogate: 2-Fluorobiphenyl 42.5 % 30-115 " Surrogate: 2,4,6-Tribromophenol 29.5 % 19-122 " Surrogate: Terphenyl-d14 45.6 % 18-137 " Acenaphthene ND 0.33 " " Acenaphthylene ND 0.33 " " Anthracene ND 0.33 " " Benzidine ND 0.33 " " Benzo (a) anthracene ND 0.33 " " Benzo (b) fluoranthene ND 0.33 " " Benzo (k) fluoranthene ND 0.33 " " " Benzo (a) pyrene ND 0.33 " " " Benzo (g,h,i) perylene ND 0.33 " " " Benzyl alcohol ND 0.33 " " " | " | | PA 8270C |
| Surrogate: 2-Fluorobiphenyl 42.5 % 30-115 " Surrogate: 2,4,6-Tribromophenol 29.5 % 19-122 " Surrogate: Terphenyl-d14 45.6 % 18-137 " Acenaphthene ND 0.33 " " " Acenaphthylene ND 0.33 " " " " Anthracene ND 0.33 " " " " Benzidine ND 0.33 " " " " Benzo (a) anthracene ND 0.33 " " " " Benzo (b) fluoranthene ND 0.33 " " " " Benzo (a) pyrene ND 0.33 " " " " Benzo (g,h,i) perylene ND 0.33 " " " " Benzyl alcohol ND 0.33 " " " " | | " | " |
| Surrogate: 2,4,6-Tribromophenol 29.5 % 19-122 " Surrogate: Terphenyl-d14 45.6 % 18-137 " Acenaphthene ND 0.33 " " Acenaphthylene ND 0.33 " " Anthracene ND 0.33 " " Benzidine ND 0.33 " " " Benzo (a) anthracene ND 0.33 " " " Benzo (b) fluoranthene ND 0.33 " " " Benzo (a) pyrene ND 0.33 " " " Benzo (g,h,i) perylene ND 0.33 " " " Benzyl alcohol ND 0.33 " " " " | " | " | " |
| Surrogate: Terphenyl-d14 45.6 % 18-137 " Acenaphthene ND 0.33 " " " Acenaphthylene ND 0.33 " " " " Anthracene ND 0.33 " " " " " Benzidine ND 0.33 " " " " Benzo (a) anthracene ND 0.33 " " " " " Benzo (b) fluoranthene ND 0.33 " " " " Benzo (a) pyrene ND 0.33 " " " " Benzo (g,h,i) perylene ND 0.33 " " " " Benzyl alcohol ND 0.33 " | " | " | " |
| Acenaphthene ND 0.33 " " " Acenaphthylene ND 0.33 " " " Anthracene ND 0.33 " " " Benzidine ND 0.33 " " " Benzo (a) anthracene ND 0.33 " " " Benzo (b) fluoranthene ND 0.33 " " " Benzo (a) pyrene ND 0.33 " " " Benzo (g,h,i) perylene ND 0.33 " " " Benzyl alcohol ND 0.33 " " " " | " | " | " |
| Acenaphthylene ND 0.33 " " " Anthracene ND 0.33 " " " Benzidine ND 0.33 " " " Benzo (a) anthracene ND 0.33 " " " Benzo (b) fluoranthene ND 0.33 " " " Benzo (k) fluoranthene ND 0.33 " " " Benzo (a) pyrene ND 0.33 " " " Benzo (g,h,i) perylene ND 0.33 " " " Benzyl alcohol ND 0.33 " " " | " | " | " |
| Anthracene ND 0.33 " " " Benzidine ND 0.33 " " " Benzo (a) anthracene ND 0.33 " " " Benzo (b) fluoranthene ND 0.33 " " " Benzo (k) fluoranthene ND 0.33 " " " Benzo (a) pyrene ND 0.33 " " " Benzo (g,h,i) perylene ND 0.33 " " " Benzyl alcohol ND 0.33 " " " " | " | " | " |
| Benzidine ND 0.33 " < | " | " | " |
| Benzo (a) anthracene ND 0.33 " " " Benzo (b) fluoranthene ND 0.33 " " " " Benzo (k) fluoranthene ND 0.33 " " " " Benzo (a) pyrene ND 0.33 " " " " Benzo (g,h,i) perylene ND 0.33 " " " " Benzyl alcohol ND 0.33 " " " " | " | " | " |
| Benzo (b) fluoranthene ND 0.33 " " " Benzo (k) fluoranthene ND 0.33 " " " " Benzo (a) pyrene ND 0.33 " " " " Benzo (g,h,i) perylene ND 0.33 " " " " Benzyl alcohol ND 0.33 " " " " | " | " | " |
| Benzo (k) fluoranthene ND 0.33 " " " Benzo (a) pyrene ND 0.33 " " " Benzo (g,h,i) perylene ND 0.33 " " " Benzyl alcohol ND 0.33 " " " " | " | " | " |
| Benzo (a) pyrene ND 0.33 " " " Benzo (g,h,i) perylene ND 0.33 " " " Benzyl alcohol ND 0.33 " " " | " | " | " |
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| Benzyl alcohol ND 0.33 " " " | " | " | " |
| | " | " | " |
| Bis(2-chloroethyl)ether ND 0.33 " " " | " | " | " |
| | " | " | m . |
| Bis(2-chloroethoxy)methane ND 0.33 " " " | " | " | m . |
| Bis(2-ethylhexyl)phthalate ND 0.33 " " " | " | " | " |
| Bis(2-chloroisopropyl)ether ND 0.33 " " " | " | " | " |
| 4-Bromophenyl phenyl ether ND 0.33 " " " | " | " | " |
| Butyl benzyl phthalate ND 0.33 " " " | " | " | " |
| 4-Chloroaniline ND 0.33 " " " | " | " | " |
| 2-Chlorophenol ND 0.33 " " " | " | " | m . |
| 4-Chloro-3-methylphenol ND 0.33 " " " | " | " | m . |
| 2-Chloronaphthalene ND 0.33 " " " | " | " | m . |
| 4-Chlorophenyl phenyl ether ND 0.33 " " " | " | " | " |
| Chrysene ND 0.33 " " " | " | " | " |
| Dibenz (a,h) anthracene ND 0.33 " " " | " | " | " |
| Dibenzofuran ND 0.33 " " " | " | " | " |
| 1,3-Dichlorobenzene ND 0.33 " " " | " | " | " |
| 1,2-Dichlorobenzene ND 0.33 " " " | " | " | " |
| 1,4-Dichlorobenzene ND 0.33 " " " | " | " | " |
| 3,3'-Dichlorobenzidine ND 0.33 " " " | " | " | " |
| 2,4-Dichlorophenol ND 0.33 " " " | " | " | " |
| Diethyl phthalate ND 0.33 " " " | | " | " |
| 2,4-Dimethylphenol ND 0.33 " " " | " | | |
| Dimethyl phthalate ND 0.33 " " " | " | " | " |
| Di-n-butyl phthalate ND 0.33 " " " | | " | " |
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| 4,6-Dinitro-2-methylphenol ND 0.33 " " " | " " | " | " |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV8-5 (2107188-07) Soil | Sampled: 07/13/21 08:56 | Received: | 07/13/21 17:0 | 7 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | ; | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|----------|--|---|---|--|--|---|---|---|
| Received | : 07/13/21 17:0 | | | ***** | r | -, | | -10101 |
| Received | | | | | | | | |
| | | | | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
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| | | " | " | " | " | " | " | |
| ND | 0.33 | " | " | " | " | " | " | |
| | | " | " | " | " | " | " | |
| | | " | " | " | " | " | " | |
| | 0.33 | " | " | " | " | " | " | |
| ND | 0.33 | " | " | " | " | " | " | |
| ND | 0.33 | " | " | " | " | " | " | |
| | 0.33 | " | " | " | " | " | " | |
| ND | 0.33 | " | " | " | " | " | " | |
| ND | 0.33 | " | " | " | " | " | " | |
| ND | 0.33 | " | " | " | " | " | " | |
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| ND | | " | " | " | " | " | " | |
| | | " | " | " | " | " | " | |
| | ND ND ND ND ND ND ND ND ND ND ND ND ND N | ND 0.33 | 79.2 % 24-1. 51.9 % 23-1. 61.3 % 30-1. 53.7 % 19-1. 90.2 % 18-1. ND 0.33 " | 79.2 % 24-113 51.9 % 23-120 61.3 % 30-115 53.7 % 19-122 90.2 % 18-137 ND 0.33 " " ND 0.33 | 79.2 % 24-113 " 51.9 % 23-120 " 61.3 % 30-115 " 53.7 % 19-122 " 90.2 % 18-137 " ND 0.33 " " " " ND 0.33 " " " " | 79.2 % 24-113 " " 51.9 % 23-120 " " 61.3 % 30-115 " " 53.7 % 19-122 " " 90.2 % 18-137 " " ND 0.33 " " " " ND 0.33 " " " " ND 0.33 " " " " ND 0.33 " " " " ND 0.33 " " " " ND 0.33 " " " " ND 0.33 " " " " ND 0.33 " " " " ND 0.33 " " " " " ND 0.33 " " " " " ND 0.33 " " " " " ND 0.33 " " " " " ND 0.33 " " " " " ND 0.33 " " " " " ND 0.33 " " " " " ND 0.33 " " " " " ND 0.33 " " " " " ND 0.33 " " " " " ND 0.33 " " " " " " ND 0.33 " " " " " " ND 0.33 " " " " " " ND 0.33 " " " " " " " ND 0.33 " " " " " " " ND 0.33 " " " " " " " ND 0.33 " " " " " " " ND 0.33 " " " " " " " ND 0.33 " " " " " " " ND 0.33 " " " " " " " ND 0.33 " " " " " " " ND 0.33 " " " " " " " ND 0.33 " " " " " " " ND 0.33 " " " " " " " ND 0.33 " " " " " " " ND 0.33 " " " " " " " " ND 0.33 " " " " " " " " ND 0.33 " " " " " " " " ND 0.33 " " " " " " " " ND 0.33 " " " " " " " " ND 0.33 " " " " " " " " " ND 0.33 " " " " " " " " " ND 0.33 " " " " " " " " " " ND 0.33 " " " " " " " " " " ND 0.33 " " " " " " " " " " " " " ND 0.33 " " " " " " " " " " " " " " " " " " | 79.2 % 24-113 " " " " " 151.9 % 23-120 " " " " " " 151.9 % 30-115 " " " " " " 19-122 " " " " " " 19.2 2 " " " " " " " 19.2 2 " " " " " " " 19.2 2 " " " " " " " " " 19.2 2 " " " " " " " " " 19.2 2 " " " " " " " " " " " " " " " " " " | 79.2 % 24-113 " <td< td=""></td<> |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV8-10 (2107188-08) Soil | Sampled: 07/13/21 08:58 | Received | : 07/13/21 17:0 | 07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | ,, | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | ,, | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | ,, | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte SV8-15 (2107188-09) Soil Sampled: 07/13/21 09:06 | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------|--------|----------------|----------|---------|----------|----------------|-----------|-------|
| , , r | Received | | | | | | | | |
| Surrogate: 2-Fluorophenol | | 95.7 % | 25-12 | 71 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 28.9 % | 23-12 24-11 | | B1G1003 | " | " | EFA 8270C | |
| Surrogate: Nitrobenzene-d5 | | 85.6 % | 23-12 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 105 % | 30-11 | | " | " | " | " | |
| Surrogate: 2-1 tuorootphenyt Surrogate: 2,4,6-Tribromophenol | | 50.9 % | 19-12 | | " | " | " | " | |
| Surrogate: 2,4,0 17toromophenoi Surrogate: Terphenyl-d14 | | 122 % | 18-13 | | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | ,, | ,, | " | " | |
| Acenaphthylene | ND | 0.33 | " | ,, | ,, | ,, | " | " | |
| Anthracene | ND | 0.33 | " | ,, | ,, | ,, | ,, | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | ,, | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | ,, | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | ,, | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | ,, | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | ,, | " | " | |
| Chrysene | ND | 0.33 | " | " | " | ,, | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | ,, | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | ,, | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | ,, | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | ,, | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | ,, | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | ,, | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | ,, | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | ,, | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV8-15 (2107188-09) Soil | Sampled: 07/13/21 09:06 | Received | : 07/13/21 17:0 | 07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | ,, | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | ,, | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | ,, | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV9-5 (2107188-10) Soil Sampled: 07/13/21 09:19 | Received: | 07/13/21 17:07 | | | | | | | |
| Surrogate: 2-Fluorophenol | | 99.3 % | 25- | | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 77.7 % | 24- | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 52.5 % | 23 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 45.8 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 59.7 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 99.6 % | 18- | | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV9-5 (2107188-10) Soil | Sampled: 07/13/21 09:19 | Received: | 07/13/21 17:0 | 7 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV9-10 (2107188-11) Soil Sampled: 07/13/21 09:22 | Received | : 07/13/21 17:0 | 7 | - | - | - | _ | _ | |
| Surrogate: 2-Fluorophenol | | 90.1 % | 25- | | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 56.8 % | 24- | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 44.2 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 38.5 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 42.3 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 95.3 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV9-10 (2107188-11) Soil | Sampled: 07/13/21 09:22 | Received: | 07/13/21 17:0 | 07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV9-15 (2107188-12) Soil Sampled: 07/13/21 09:2 | 4 Received | 1: 07/13/21 17:0 |)7 | | | | | | |
| Surrogate: 2-Fluorophenol | | 95.9 % | | 121 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 47.9 % | | 113 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 80.5 % | | 120 | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 64.1 % | | 115 | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 49.9 % | | 122 | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 71.1 % | | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV9-15 (2107188-12) Soil | Sampled: 07/13/21 09:24 | Received | : 07/13/21 17:0 | 07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | ,, | ,, | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV10-5 (2107188-13) Soil Sampled: 07/13/21 09:32 | Received | : 07/13/21 17:0 | 07 | | | | | | |
| Surrogate: 2-Fluorophenol | | 103 % | 25- | | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 71.9 % | 24- | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 73.2 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 50.0 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 83.4 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 44.3 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV10-5 (2107188-13) Soil | Sampled: 07/13/21 09:32 | Received | : 07/13/21 17:0 | 07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | ,, | ,, | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV10-10 (2107188-14) Soil Sampled: 07/13/21 09 | 36 Receive | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: 2-Fluorophenol | | 103 % | 25- | | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 65.1 % | 24- | 113 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 51.5 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 83.2 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 57.1 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 87.8 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV10-10 (2107188-14) Soil | Sampled: 07/13/21 09:36 | Received | d: 07/13/21 17 | :07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Surrogate: 2-Fluorophenol 101 % 25-121 | 07/16/21 08:50 | EPA 8270C " " " " " " " | |
|---|---|---|--|
| Surrogate: Phenol-d6 32.2 % 24-113 " " Surrogate: Nitrobenzene-d5 48.3 % 23-120 " " Surrogate: 2-Fluorobiphenyl 76.0 % 30-115 " " Surrogate: 2-Fluorobiphenyl 82.8 % 19-122 " " Surrogate: Terphenyl-d14 ND 0.33 " " " Acenaphthylene ND 0.33 " " " " Acenaphthylene ND 0.33 " " " " " Acenaphthylene ND 0.33 " <th>" " " " " " "</th> <th>" " " " " " " "</th> <th></th> | " " " " " " " | " " " " " " " " | |
| Surrogate: Nitrobenzene-d5 48.3 % 23-120 " " Surrogate: 2-Fluorobiphenyl 76.0 % 30-115 " " Surrogate: 2-fluorobiphenyl 82.8 % 19-122 " " Surrogate: Terphenyl-d14 58.0 % 18-137 " " Acenaphthene ND 0.33 " " " Acenaphthylene ND 0.33 " " " Anthracene ND 0.33 " " " " Benzidine ND 0.33 " " " " " Benzo (a) anthracene ND 0.33 " <t< td=""><td>"" "" "" "" "" "" "" "" "" "" "" "" ""</td><td>" " " " " "</td><td></td></t<> | "" "" "" "" "" "" "" "" "" "" "" "" "" | " " " " " " | |
| Surrogate: 2-Fluorobiphenyl 76.0 % 30-115 " " Surrogate: 2,4,6-Tribromophenol 82.8 % 19-122 " " Surrogate: Terphenyl-d14 58.0 % 18-137 " " Acenaphthene ND 0.33 " " " " Acenaphthylene ND 0.33 " | " " " " " " | " " " " | |
| Surrogate: 2,4,6-Tribromophenol 82.8 % 19-122 " " Surrogate: Terphenyl-d14 58.0 % 18-137 " " Acenaphthene ND 0.33 " " " Acenaphthylene ND 0.33 " " " Anthracene ND 0.33 " " " Benzidine ND 0.33 " " " Benzidine ND 0.33 " " " Benzo (a) anthracene ND 0.33 " " " Benzo (b) fluoranthene ND 0.33 " " " Benzo (b) fluoranthene ND 0.33 " " " Benzo (k) fluoranthene ND 0.33 " " " Benzo (a) pyrene ND 0.33 " " " Benzo (a) pyrene ND 0.33 " " " Benzo (a) pyrene ND | " | " | |
| Surrogate: Terphenyl-d14 58.0 % 18-137 " " Acenaphthene ND 0.33 " " " " Acenaphthylene ND 0.33 " " " " Anthracene ND 0.33 " " " " Benzidine ND 0.33 | " | " | |
| Acenaphthene ND 0.33 " | " " | " | |
| Acenaphthylene Acenaphthylene ND ND ND ND ND ND ND ND ND ND ND ND ND | " | " | |
| Anthracene ND 0.33 " | " | | |
| Benzidine ND 0.33 " < | | " | |
| Benzo (a) anthracene ND 0.33 " <td>"</td> <td></td> <td></td> | " | | |
| Benzo (b) fluoranthene ND 0.33 " </td <td></td> <td>"</td> <td></td> | | " | |
| Benzo (k) fluoranthene ND 0.33 " </td <td>"</td> <td>"</td> <td></td> | " | " | |
| Benzo (a) pyrene ND 0.33 " " " " Benzo (g,h,i) perylene ND 0.33 " " " " " Benzyl alcohol ND 0.33 " " " " " Benzyl alcohol ND 0.33 " " " " " " Bis(2-chloroethyl)ether ND 0.33 " " " " " Bis(2-chloroethoxy)methane ND 0.33 " " " " " Bis(2-chloroisopropyl)ether ND 0.33 " " " " " " Bis(2-chloroisopropyl)ether ND 0.33 " " " " " " Butyl benzyl phthalate ND 0.33 " " " " " Butyl benzyl phthalate ND 0.33 " " " " " " 2-Chlorophenol ND 0.33 " " " " " " " " " | " | " | |
| Benzo (g,h,i) perylene ND 0.33 " </td <td>"</td> <td>"</td> <td></td> | " | " | |
| Benzyl alcohol ND 0.33 " " " " " Bis(2-chloroethyl)ether ND 0.33 " " " " " Bis(2-chloroethoxy)methane ND 0.33 " " " " " Bis(2-chloroethoxy)methane ND 0.33 " " " " " Bis(2-chloroisopropyl)ether ND 0.33 " " " " " " " 4-Bromophenyl phenyl ether ND 0.33 " " " " " Butyl benzyl phthalate ND 0.33 " " " " " " 4-Chloroaniline ND 0.33 " " " " " " 2-Chlorophenol ND 0.33 " " " " " " " " " | " | " | |
| Bis(2-chloroethyl)ether ND 0.33 "< | " | " | |
| Bis(2-chloroethoxy)methane ND 0.33 " <th< td=""><td>"</td><td>"</td><td></td></th<> | " | " | |
| Bis(2-ethylhexyl)phthalate ND 0.33 " <th< td=""><td>"</td><td>"</td><td></td></th<> | " | " | |
| Bis(2-chloroisopropyl)ether ND 0.33 " <t< td=""><td>"</td><td>"</td><td></td></t<> | " | " | |
| 4-Bromophenyl phenyl ether ND 0.33 " " " " Butyl benzyl phthalate ND 0.33 " " " " 4-Chloroaniline ND 0.33 " " " " 2-Chlorophenol ND 0.33 " " " " | " | " | |
| 4-Bromophenyl phenyl ether ND 0.33 " < | " | " | |
| Butyl benzyl phthalate ND 0.33 " </td <td>"</td> <td>"</td> <td></td> | " | " | |
| 4-Chloroaniline ND 0.33 " | " | " | |
| 1 | " | " | |
| * | " | " | |
| 4-Chloro-3-methylphenol ND 0.33 " " " " | " | " | |
| 2-Chloronaphthalene ND 0.33 " " " " | " | " | |
| 4-Chlorophenyl phenyl ether ND 0.33 " " " " | " | " | |
| Chrysene ND 0.33 " " " " | " | " | |
| Dibenz (a,h) anthracene ND 0.33 " " " | " | " | |
| Dibenzofuran ND 0.33 " " " | " | " | |
| 1,3-Dichlorobenzene ND 0.33 " " " " | " | " | |
| 1,2-Dichlorobenzene ND 0.33 " " " " | " | " | |
| 1,4-Dichlorobenzene ND 0.33 " " " " | " | " | |
| 3,3'-Dichlorobenzidine ND 0.33 " " " " | " | " | |
| 2,4-Dichlorophenol ND 0.33 " " " " | " | " | |
| Diethyl phthalate ND 0.33 " " " " | " | " | |
| 2,4-Dimethylphenol ND 0.33 " " " " | " | " | |
| Dimethyl phthalate ND 0.33 " " " " | " | " | |
| Di-n-butyl phthalate ND 0.33 " " " | " | " | |
| 2,4-Dinitrophenol ND 0.33 " " " | " | " | |
| | ,, | " | |
| 4,6-Dinitro-2-methylphenol ND 0.33 " " " " | | | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | 1 | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV10-15 (2107188-15) Soil | Sampled: 07/13/21 09:52 | Received: | 07/13/21 17 | :07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | ,, | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | ,, | ,, | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV11-5 (2107188-16) Soil Sampled: 07/13/21 10:16 | Received | : 07/13/21 17:0 | 7 | | | | | | |
| Surrogate: 2-Fluorophenol | | 104 % | 25- | | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 77.2 % | 24- | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 54.4 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 48.9 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 73.3 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 102 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV11-5 (2107188-16) Soil | Sampled: 07/13/21 10:16 | Received | 07/13/21 17:0 | 07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| | | | | | | pmv4 | , 200 | | 1.00 |
| SV11-10 (2107188-17) Soil Sampled: 07/13/21 10:2 | o Keceived | | | | | | | | |
| Surrogate: 2-Fluorophenol | | 93.7 % | 25-1 | | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 77.7 % | 24-1 | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 52.6 % | 23-1 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 80.9 % | 30-1 | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 45.2 % | 19-1 | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 52.4 % | 18-1 | | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV11-10 (2107188-17) Soil | Sampled: 07/13/21 10:20 | Received | d: 07/13/21 17 | :07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units D | ilution | Batch | Prepared | Analyzed | Method | Notes |
|---|----------------|--------------------|---------|---------|---------|----------|----------------|-----------|--------|
| SV11-15 (2107188-18) Soil Sampled: 07/13/21 | | | | | 20001 | Tropulou | | 1,100100 | 1.0003 |
| | 10:20 Received | | | | | | | | |
| Surrogate: 2-Fluorophenol | | 95.9 % | 25-121 | | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 25.9 % | 24-113 | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 59.6 % | 23-120 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 86.7 % | 30-115 | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 39.3 % | 19-122 | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 56.2 % | 18-137 | | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| • • • | | | | | | | | | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV11-15 (2107188-18) Soil | Sampled: 07/13/21 10:26 | Received | 07/13/21 17 | :07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1603 | 07/15/21 | 07/16/21 08:50 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|------------|--------------------|--------|----------|---------|----------|----------------|-----------|-------|
| SV12-5 (2107188-19) Soil Sampled: 07/13/21 10:4 | 9 Received | l: 07/13/21 17:0 | 07 | | | | | | |
| Surrogate: 2-Fluorophenol | | 93.4 % | 25-121 | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 68.0 % | 24-113 | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 36.9 % | 23-120 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 66.9 % | 30-115 | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 42.3 % | 19-122 | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 72.7 % | 18-137 | , | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Re | | orting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|---------------------------|-----------------|-----------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV12-5 (2107188-19) Soil | Sampled: 07/13/21 10:49 R | eceived: 07/13/ | 21 17:0 |)7 | | | | | | |
| 2,4-Dinitrotoluene | 1 | ND 0 | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | 1 | ND 0 | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | 1 | ND 0 | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | 1 | ND 0 | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | 1 | ND 0 | 0.33 | " | " | " | " | " | " | |
| Fluorene | 1 | ND 0 | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | 1 | ND 0 | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | 1 | ND 0 | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | 1 | ND 0 | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | 1 | ND 0 | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | 1 | ND 0 | 0.33 | " | " | " | " | " | " | |
| Isophorone | 1 | ND 0 | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | 1 | ND 0 | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | 1 | ND 0 | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | 1 | ND 0 | 0.33 | " | " | " | " | " | " | |
| Naphthalene | 1 | ND 0 | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | 1 | ND 0 | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | 1 | ND 0 | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | 1 | ND 0 | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | 1 | ND (| 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | 1 | ND (| 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | 1 | | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | 1 | | 0.33 | " | " | " | ,, | " | " | |
| N-Nitrosodi-n-propylamine | 1 | | 0.33 | " | " | " | ,, | " | " | |
| Pentachlorophenol | | | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | | 0.33 | " | " | " | ,, | " | " | |
| Phenol | | |).33 | " | " | " | ,, | " | " | |
| Pyrene | | |).33 | " | " | " | ,, | " | " | |
| 1,2,4-Trichlorobenzene | | |).33 | " | " | " | ,, | " | " | |
| 2,4,5-Trichlorophenol | | |).33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | | 0.33 | " | " | " | ,, | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|--------------|--------------------|-------|----------|----------|----------|----------------|-----------|------|
| SV12-10 (2107188-20) Soil Sampled: 07/13/21 1 | 0:58 Receive | d: 07/13/21 17 | :07 | | <u> </u> | | | | |
| Surrogate: 2-Fluorophenol | | 78.5 % | 25-1 | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 31.5 % | 24-1 | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 42.5 % | 23-1 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 106 % | 30-1 | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 80.9 % | 19-1 | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 49.7 % | 18-1 | 37 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

$Semivolatile\ Organic\ Compounds\ by\ EPA\ Method\ 8270C$

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------------|----------|---------|----------|----------------|-----------|-------|
| SV12-10 (2107188-20) Soil | Sampled: 07/13/21 10:58 | Received: | 07/13/21 17 | ':07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | ,, | " | " | " | ,, | ,, | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|-------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV12-15 (2107188-21) Soil Sampled: 07/13/21 11:0 | 07 Received | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: 2-Fluorophenol | | 89.4 % | | 121 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 26.1 % | | 113 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 35.1 % | | 120 | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 77.8 % | | 115 | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 27.8 % | | 122 | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 114 % | | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | 1 | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV12-15 (2107188-21) Soil | Sampled: 07/13/21 11:07 | Received | 1: 07/13/21 17 | :07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | ,, | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | ,, | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV13-5 (2107188-22) Soil Sampled: 07/13/21 11:26 | Received: | : 07/13/21 17:0 | 7 | | | | | | |
| Surrogate: 2-Fluorophenol | | 101 % | 25- | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 67.4 % | 24- | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 50.5 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 89.7 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 52.0 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 68.6 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV13-5 (2107188-22) Soil | Sampled: 07/13/21 11:26 | Received: | 07/13/21 17:0 |)7 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV13-10 (2107188-23) Soil Sampled: 07/13/21 11: | 31 Receive | ed: 07/13/21 17 | :07 | | | | | | |
| Surrogate: 2-Fluorophenol | | 95.9 % | 25- | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 27.2 % | 24 | 113 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 44.5 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 80.3 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 44.4 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 110 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | ,, | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | ,, | " | " | " | " | |
| * | ND | 0.33 | ,, | ,, | ,, | ,, | ,, | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.55 | | | | | | | |
| | | | | | | | | | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV13-10 (2107188-23) Soil | Sampled: 07/13/21 11:31 | Received | 1: 07/13/21 17 | :07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|------------|--------------------|-------|----------|----------|----------|----------------|-----------|------|
| SV13-15 (2107188-24) Soil Sampled: 07/13/21 11: | 38 Receive | d: 07/13/21 17 | :07 | | <u> </u> | | | | |
| Surrogate: 2-Fluorophenol | | 92.9 % | 25- | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 35.1 % | 24- | 113 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 36.8 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 50.0 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 42.9 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 136 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV13-15 (2107188-24) Soil | Sampled: 07/13/21 11:38 | Received | : 07/13/21 17 | :07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | ,, | " | |



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV14-5 (2107188-25) Soil Sampled: 07/13/21 12:49 | Received | : 07/13/21 17:0 | 07 | | | | | | |
| Surrogate: 2-Fluorophenol | | 95.9 % | 25- | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 57.3 % | 24- | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 41.2 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 74.1 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 34.0 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 88.9 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV14-5 (2107188-25) Soil | Sampled: 07/13/21 12:49 | Received | : 07/13/21 17:0 | 07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | ,, | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | ,, | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | ,, | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|--------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV14-10 (2107188-26) Soil Sampled: 07/13/21 12 | 2:54 Receive | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: 2-Fluorophenol | | 104 % | 25-1 | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 50.1 % | 24-1 | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 59.2 % | 23-1 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 90.4 % | 30-1 | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 42.9 % | 19-1 | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 60.8 % | 18-1 | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV14-10 (2107188-26) Soil | Sampled: 07/13/21 12:54 | Received | 1: 07/13/21 17 | :07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | ,, | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units D | ilution | Batch | Dramanad | Anglygad | Method | Not |
|--|------------|--------------------|-------------|------------|---------|----------|----------------|-----------|-------|
| Analyte | | | | , iidiloli | Datcii | Prepared | Analyzed | iviculou | Notes |
| SV14-15 (2107188-27) Soil Sampled: 07/13/21 13:0 | 1 Received | : 07/13/21 17: | | | | | | | |
| Surrogate: 2-Fluorophenol | | 105 % | 25-121 | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 86.3 % | 24-113 | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 55.4 % | 23-120 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 89.5 % | 30-115 | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 50.5 % | 19-122 | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 105 % | 18-137 | | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | 1 | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV14-15 (2107188-27) Soil | Sampled: 07/13/21 13:01 | Received | l: 07/13/21 17 | :07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | ,, | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV15-5 (2107188-28) Soil Sampled: 07/13/21 13:1 | 9 Received | l: 07/13/21 17:0 |)7 | | | | | | |
| Surrogate: 2-Fluorophenol | | 96.8 % | 25-12 | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 64.7 % | 24-11 | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 87.3 % | 23-12 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 87.0 % | 30-11 | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 55.8 % | 19-12 | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 131 % | 18-13 | 7 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV15-5 (2107188-28) Soil | Sampled: 07/13/21 13:19 | Received | : 07/13/21 17: | 07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|---------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV15-10 (2107188-29) Soil Sampled: 07/13/21 | 13:23 Receive | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: 2-Fluorophenol | | 102 % | 25-1 | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 90.7 % | 24-1 | 13 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 41.6 % | 23-1 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 45.2 % | 30-1 | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 46.7 % | 19-1 | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 66.1 % | 18-1 | 37 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV15-10 (2107188-29) Soil | Sampled: 07/13/21 13:23 | Received | : 07/13/21 17 | :07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | ,, | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | ,, | ,, | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units Dilut | ion Batch | Prepared | Analyzed | Method | Notes |
|--|-------------|--------------------|-------------|-----------|----------|----------------|-----------|-------|
| SV15-15 (2107188-30) Soil Sampled: 07/13/21 13 | :27 Receive | d: 07/13/21 17 | :07 | | | | | |
| Surrogate: 2-Fluorophenol | | 99.9 % | 25-121 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 77.6 % | 24-113 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 32.5 % | 23-120 | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 40.6 % | 30-115 | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 47.3 % | 19-122 | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 132 % | 18-137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " " | " | " | " | " | |
| Anthracene | ND | 0.33 | " " | " | " | " | " | |
| Benzidine | ND | 0.33 | " " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " " | " | " | " | " | |
| Chrysene | ND | 0.33 | " " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV15-15 (2107188-30) Soil | Sampled: 07/13/21 13:27 | Received | 07/13/21 17 | :07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV16-5 (2107188-31) Soil Sampled: 07/13/21 13:54 | Received | : 07/13/21 17:0 | 17 | | | | | | |
| Surrogate: 2-Fluorophenol | | 94.6 % | 25 | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 62.9 % | 24 | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 50.3 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 50.6 % | 30 | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 65.8 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 115 % | 18- | | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | ,, | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | ,, | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV16-5 (2107188-31) Soil | Sampled: 07/13/21 13:54 | Received | : 07/13/21 17:0 | 07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|-------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV16-10 (2107188-32) Soil Sampled: 07/13/21 13 | :57 Receive | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: 2-Fluorophenol | | 76.5 % | 25- | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 52.7 % | 24- | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 50.1 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 60.6 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 70.6 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 101 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV16-10 (2107188-32) Soil | Sampled: 07/13/21 13:57 | Received: | 07/13/21 17 | :07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | ,, | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Dranared | Anglyzad | Method | Notes |
|--|------------|--------------------|--------|----------|---------|----------|----------------|-----------|-------|
| Analyte | | | | Dilution | Бакп | Prepared | Analyzed | ivicuiod | Notes |
| SV16-15 (2107188-33) Soil Sampled: 07/13/21 14:0 | 0 Received | 1: 07/13/21 17: | 07 | | | | | | |
| Surrogate: 2-Fluorophenol | | 104 % | 25-121 | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 65.4 % | 24-113 | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 58.6 % | 23-120 |) | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 50.7 % | 30-115 | 5 | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 32.6 % | 19-122 | 2 | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 43.7 % | 18-137 | 7 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

$Semivolatile\ Organic\ Compounds\ by\ EPA\ Method\ 8270C$

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV16-15 (2107188-33) Soil | Sampled: 07/13/21 14:00 | Received | d: 07/13/21 17 | :07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV17-5 (2107188-34) Soil Sampled: 07/13/21 14:44 | Received | : 07/13/21 17:0 | 17 | | | | | | |
| Surrogate: 2-Fluorophenol | | 99.3 % | 25- | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 65.9 % | 24- | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 65.8 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 56.3 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 75.3 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 110 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | ,, | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV17-5 (2107188-34) Soil | Sampled: 07/13/21 14:44 | Received | : 07/13/21 17:0 | 07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | ,, | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | ,, | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|------------|--------------------|--------|----------|---------|-----------|----------------|-----------|--------|
| | | | | UII | Dutell | . repareu | , 200 | enod | 140105 |
| SV17-10 (2107188-35) Soil Sampled: 07/13/21 14:4 | ю Keceived | ı: v//13/21 17: | U/ | | | | | | |
| Surrogate: 2-Fluorophenol | | 98.1 % | 25-12 | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 55.7 % | 24-11. | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 46.4 % | 23-12 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 45.0 % | 30-11. | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 86.1 % | 19-12. | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 99.1 % | 18-13 | | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV17-10 (2107188-35) Soil | Sampled: 07/13/21 14:48 | Received | : 07/13/21 17 | :07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV17-15 (2107188-36) Soil Sampled: 07/13/21 14: | 53 Receive | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: 2-Fluorophenol | | 102 % | 25- | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 31.3 % | 24- | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 51.3 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 41.5 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 61.9 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 92.1 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV17-15 (2107188-36) Soil | Sampled: 07/13/21 14:53 | Received: | 07/13/21 17 | :07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units 1 | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---|------------|--------------------|---------|----------|---------|----------|----------------|-----------|-------|
| SV18-5 (2107188-37) Soil Sampled: 07/13/21 15:1 | 9 Received | l: 07/13/21 17:0 |)7 | | | | | | |
| Surrogate: 2-Fluorophenol | | 98.7 % | 25-121 | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 24.4 % | 24-113 | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 63.4 % | 23-120 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 60.5 % | 30-115 | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 67.6 % | 19-122 | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 66.6 % | 18-137 | | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV18-5 (2107188-37) Soil | Sampled: 07/13/21 15:19 | Received | : 07/13/21 17:0 | 07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | ,, | " | |



Mearns Consulting LLC
Project: Town Center Northwest
738 Ashland Avenue
Project Number: [none]

738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| | D 1 | Reporting | TT '- | Dil di | D. I | n i | | Mala | N 7 : |
|---|---------------|-----------------|--------|----------|---------|----------|----------------|-----------|--------------|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| SV18-10 (2107188-38) Soil Sampled: 07/13/21 | 15:25 Receive | d: 07/13/21 17: | 07 | | | | | | |
| Surrogate: 2-Fluorophenol | | 115 % | 25-121 | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 76.7 % | 24-113 | | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 56.5 % | 23-120 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 77.9 % | 30-115 | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 102 % | 19-122 | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 64.9 % | 18-137 | 7 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | 0.82 | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | 0.92 | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|---------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV18-10 (2107188-38) Soil | Sampled: 07/13/21 15:25 | Receive | ed: 07/13/21 17 | :07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | 2.2 | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | 0.44 | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | 0.77 | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV18-15 (2107188-39) Soil Sampled: 07/13/21 15:2 | 9 Received | l: 07/13/21 17 | :07 | | | | | | |
| Surrogate: 2-Fluorophenol | | 81.6 % | 25- | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 52.1 % | 24- | 113 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 33.1 % | 23- | 120 | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 40.9 % | 30- | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 58.5 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 129 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------------|----------|---------|----------|----------------|-----------|-------|
| SV18-15 (2107188-39) Soil | Sampled: 07/13/21 15:29 | Received | : 07/13/21 17 | ':07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | ,, | " | ,, | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|--|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV19-5 (2107188-40) Soil Sampled: 07/13/21 15:49 | Received: | 07/13/21 17:0 | 17 | | | | | | |
| Surrogate: 2-Fluorophenol | | 57.3 % | 25- | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 100 % | 24 | 113 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 78.4 % | 23- | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 53.3 % | 30 | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 60.7 % | 19- | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 90.7 % | 18- | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | 2.1 | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | 0.40 | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

$Semivolatile\ Organic\ Compounds\ by\ EPA\ Method\ 8270C$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|----------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV19-5 (2107188-40) Soil Sampled: 07/13/21 1 | 5:49 Received: | 07/13/21 17: | 07 | | | | | | |
| 2,4-Dinitrotoluene | 1.1 | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | 1.2 | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | 1.1 | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | 12 | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | 5.2 | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | 0.85 | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | ND | 0.33 | " | " | ,, | ,, | " | " | |
| 2-Nitrophenol | ND | 0.33 | " | " | ,, | " | " | " | |
| 4-Nitrophenol | ND | 0.33 | " | " | ,, | " | " | " | |
| N-Nitrosodimethylamine | ND | 0.33 | " | " | ,, | ,, | " | " | |
| Diphenylamine | ND | 0.33 | " | " | ,, | ,, | " | " | |
| N-Nitrosodi-n-propylamine | 0.91 | 0.33 | " | " | ,, | ,, | " | " | |
| Pentachlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | 2.0 | 0.33 | " | " | " | " | " | " | |
| Phenol | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | 0.87 | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | ND | 0.33 | " | " | ,, | ,, | " | " | |
| 2,4,6-Trichlorophenol | ND ND | 0.33 | ,, | ,, | ,, | ,, | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--|--------------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV19-10 (2107188-41) Soil Sampled: 07/13/21 15 | 5:54 Receive | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: 2-Fluorophenol | | 109 % | 25-1 | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 83.5 % | 24-1 | 113 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 70.9 % | 23-1 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 84.0 % | 30-1 | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 94.5 % | 19-1 | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 117 % | 18-1 | 137 | " | " | " | " | |
| Acenaphthene | ND | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | 1 | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV19-10 (2107188-41) Soil | Sampled: 07/13/21 15:54 | Received | : 07/13/21 17 | :07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | ND | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | ,, | " | " | " | |



Mearns Consulting LLC
Project: Town Center Northwest
738 Ashland Avenue
Project Number: [none]

738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|---------------|--------------------|-------|----------|---------|----------|----------------|-----------|------|
| SV19-15 (2107188-42) Soil Sampled: 07/13/21 | 15:59 Receive | d: 07/13/21 17 | :07 | | | | | | |
| Surrogate: 2-Fluorophenol | | 61.7 % | 25-1 | | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| Surrogate: Phenol-d6 | | 110 % | 24-1 | 13 | " | " | " | " | |
| Surrogate: Nitrobenzene-d5 | | 87.4 % | 23-1 | | " | " | " | " | |
| Surrogate: 2-Fluorobiphenyl | | 108 % | 30-1 | | " | " | " | " | |
| Surrogate: 2,4,6-Tribromophenol | | 103 % | 19-1 | | " | " | " | " | |
| Surrogate: Terphenyl-d14 | | 90.2 % | 18-1 | 37 | " | " | " | " | |
| Acenaphthene | 1.6 | 0.33 | " | " | " | " | " | " | |
| Acenaphthylene | ND | 0.33 | " | " | " | " | " | " | |
| Anthracene | 1.1 | 0.33 | " | " | " | " | " | " | |
| Benzidine | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) anthracene | 1.3 | 0.33 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.33 | " | " | " | " | " | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | " | " | " | " | " | |
| Chrysene | 1.5 | 0.33 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.33 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | " | " | " | " | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C $\,$

Sierra Analytical Labs, Inc.

| Analyte | I | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------------------------|-------------------------|----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SV19-15 (2107188-42) Soil | Sampled: 07/13/21 15:59 | Received | : 07/13/21 17 | :07 | | | | | | |
| 2,4-Dinitrotoluene | | ND | 0.33 | mg/kg | 1 | B1G1916 | 07/19/21 | 07/20/21 10:43 | EPA 8270C | |
| 2,6-Dinitrotoluene | | ND | 0.33 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | | ND | 0.33 | " | " | " | " | " | " | |
| 1,2-Diphenylhydrazine | | ND | 0.33 | " | " | " | " | " | " | |
| Fluoranthene | | ND | 0.33 | " | " | " | " | " | " | |
| Fluorene | | 3.0 | 0.33 | " | " | " | " | " | " | |
| Hexachlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorobutadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | | ND | 0.33 | " | " | " | " | " | " | |
| Hexachloroethane | | ND | 0.33 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | | ND | 0.33 | " | " | " | " | " | " | |
| Isophorone | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Methylphenol | | ND | 0.33 | " | " | " | " | " | " | |
| Naphthalene | | 4.0 | 0.33 | " | " | " | " | " | " | |
| 2-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 3-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitroaniline | | ND | 0.33 | " | " | " | " | " | " | |
| Nitrobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 4-Nitrophenol | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodimethylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Diphenylamine | | ND | 0.33 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | | ND | 0.33 | " | " | " | " | " | " | |
| Pentachlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| Phenanthrene | | 9.7 | 0.33 | " | " | " | " | " | " | |
| Phenol | | ND | 0.33 | " | " | " | " | " | " | |
| Pyrene | | 8.5 | 0.33 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | | ND | 0.33 | " | " | " | " | " | " | |



Mearns Consulting LLCProject:Town Center Northwest738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

$Metals\ by\ EPA\ 6000/7000\ Series\ Methods\ -\ Quality\ Control$

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

| Batch B1G1411 - EPA 3050B | | | | | | | |
|---------------------------|------|-----|-------|-----------------|------------------|---------|--|
| Blank (B1G1411-BLK1) | | | | Prepared: 07/14 | /21 Analyzed: 07 | //19/21 | |
| Silver | ND | 2.0 | mg/kg | | | | |
| Cadmium | ND | 2.5 | " | | | | |
| Barium | ND | 6.0 | " | | | | |
| lickel | ND | 3.0 | " | | | | |
| ead | ND | 7.1 | " | | | | |
| anadium | ND | 5.1 | " | | | | |
| rsenic | ND | 5.5 | " | | | | |
| obalt | ND | 3.3 | " | | | | |
| hallium | ND | 17 | " | | | | |
| opper | ND | 5.0 | " | | | | |
| elenium | ND | 6.9 | " | | | | |
| olybdenum | ND | 5.2 | " | | | | |
| ntimony | ND | 8.0 | " | | | | |
| eryllium | ND | 2.2 | " | | | | |
| inc | ND | 7.0 | " | | | | |
| hromium | ND | 2.3 | " | | | | |
| CS (B1G1411-BS1) | | | | Prepared: 07/14 | /21 Analyzed: 07 | //19/21 | |
| lickel | 104 | 3.0 | mg/kg | 100 | 104 | 80-120 | |
| Iolybdenum | 103 | 5.2 | " | 100 | 103 | 80-120 | |
| rsenic | 98.8 | 5.5 | " | 100 | 98.8 | 78-122 | |
| eryllium | 97.9 | 2.2 | " | 100 | 97.9 | 80-120 | |
| hromium | 102 | 2.3 | " | 100 | 102 | 80-120 | |
| arium | 105 | 6.0 | " | 100 | 105 | 80-120 | |
| admium | 102 | 2.5 | " | 100 | 102 | 80-120 | |
| ilver | 98.5 | 2.0 | " | 100 | 98.5 | 60-140 | |
| anadium | 98.2 | 5.1 | " | 100 | 98.2 | 80-120 | |
| ntimony | 112 | 8.0 | " | 100 | 112 | 75-125 | |
| opper | 113 | 5.0 | " | 100 | 113 | 78-122 | |
| inc | 101 | 7.0 | " | 100 | 101 | 80-120 | |
| elenium | 97.3 | 6.9 | " | 100 | 97.3 | 76-124 | |
| ead | 99.3 | 7.1 | " | 100 | 99.3 | 80-120 | |
| obalt | 107 | 3.3 | " | 100 | 107 | 80-120 | |
| hallium | 104 | 17 | " | 100 | 104 | 80-120 | |



Analyte

Mearns Consulting LLC Project: Town Center Northwest

Result

738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Units

Spike

Level

Source

Result

%REC

Limits

RPD

%REC

Reporting

Limit

| LCS Dup (B1G1411-BSD1) | | | | Prepared: 0 | 07/14/21 A1 | nalyzed: 07 | 7/19/21 | | |
|----------------------------|--------|------------|-------|-------------|-------------|-------------|---------|--------|----|
| Zinc | 100 | 7.0 | mg/kg | 100 | | 100 | 80-120 | 0.670 | 20 |
| Chromium | 101 | 2.3 | " | 100 | | 101 | 80-120 | 1.01 | 20 |
| Selenium | 95.4 | 6.9 | " | 100 | | 95.4 | 76-124 | 1.97 | 20 |
| <u> Phallium</u> | 103 | 17 | " | 100 | | 103 | 80-120 | 0.897 | 20 |
| <i>V</i> anadium | 96.9 | 5.1 | " | 100 | | 96.9 | 80-120 | 1.33 | 20 |
| Cobalt | 106 | 3.3 | " | 100 | | 106 | 80-120 | 0.962 | 20 |
| Lead | 98.2 | 7.1 | " | 100 | | 98.2 | 80-120 | 1.11 | 20 |
| Silver | 93.1 | 2.0 | " | 100 | | 93.1 | 60-140 | 5.64 | 40 |
| Antimony | 109 | 8.0 | " | 100 | | 109 | 75-125 | 2.95 | 20 |
| Arsenic | 96.4 | 5.5 | " | 100 | | 96.4 | 78-122 | 2.56 | 20 |
| Molybdenum | 100 | 5.2 | " | 100 | | 100 | 80-120 | 2.66 | 20 |
| Copper | 110 | 5.0 | " | 100 | | 110 | 78-122 | 2.58 | 20 |
| 3arium | 104 | 6.0 | " | 100 | | 104 | 80-120 | 0.887 | 20 |
| Nickel | 104 | 3.0 | " | 100 | | 104 | 80-120 | 0.817 | 20 |
| Cadmium | 101 | 2.5 | " | 100 | | 101 | 80-120 | 1.06 | 20 |
| Beryllium | 98.0 | 2.2 | " | 100 | | 98.0 | 80-120 | 0.0255 | 20 |
| Matrix Spike (B1G1411-MS1) | Source | : 2107188- | 01 | Prepared: 0 |)7/14/21 Aı | nalyzed: 07 | 7/19/21 | | |
| Selenium | 96.5 | 6.9 | mg/kg | 98.8 | ND | 97.7 | 70-130 | | |
| Molybdenum | 98.2 | 5.2 | " | 98.8 | 0.661 | 98.8 | 70-130 | | |

| Selenium | 96.5 | 6.9 | mg/kg | 98.8 | ND | 97.7 | 70-130 | |
|------------|------|-----|-------|------|-------|------|--------|-----|
| Molybdenum | 98.2 | 5.2 | " | 98.8 | 0.661 | 98.8 | 70-130 | |
| Cobalt | 107 | 3.3 | " | 98.8 | 7.64 | 101 | 70-130 | |
| Thallium | 98.5 | 17 | " | 98.8 | ND | 99.7 | 70-130 | |
| Lead | 101 | 7.1 | " | 98.8 | 4.55 | 97.8 | 70-130 | |
| Silver | 108 | 2.0 | " | 98.8 | 0.220 | 109 | 60-140 | |
| Barium | 238 | 6.0 | " | 98.8 | 82.6 | 158 | 70-130 | QM- |
| Beryllium | 94.0 | 2.2 | " | 98.8 | ND | 95.1 | 70-130 | |
| Nickel | 106 | 3.0 | " | 98.8 | 8.55 | 98.6 | 70-130 | |
| Vanadium | 118 | 5.1 | " | 98.8 | 24.0 | 94.8 | 70-130 | |
| Arsenic | 98.8 | 5.5 | " | 98.8 | ND | 100 | 70-130 | |
| Zinc | 143 | 7.0 | " | 98.8 | 28.5 | 116 | 70-130 | |
| Copper | 115 | 5.0 | " | 98.8 | 13.6 | 103 | 70-130 | |
| Chromium | 110 | 2.3 | " | 98.8 | 13.7 | 97.2 | 70-130 | |
| Cadmium | 98.0 | 2.5 | " | 98.8 | ND | 99.2 | 70-130 | |
| Antimony | 91.6 | 8.0 | " | 98.8 | ND | 92.7 | 60-140 | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

RPD

Limit

Notes



738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

| Ratch | B1G1411 | - EPA | 3050R |
|-------|---------|-------|-------|
| | | | |

| Matrix Spike Dup (B1G1411-MSD1) | Source | : 2107188-0 | 01 | Prepared: (| 07/14/21 At | nalyzed: 07 | 7/19/21 | | | |
|---------------------------------|--------|-------------|-------|-------------|-------------|-------------|---------|-------|----|-------|
| Antimony | 92.1 | 8.0 | mg/kg | 98.4 | ND | 93.6 | 60-140 | 0.599 | 20 | |
| Cobalt | 108 | 3.3 | " | 98.4 | 7.64 | 102 | 70-130 | 0.817 | 20 | |
| Arsenic | 99.3 | 5.5 | " | 98.4 | ND | 101 | 70-130 | 0.452 | 20 | |
| Silver | 109 | 2.0 | " | 98.4 | 0.220 | 110 | 60-140 | 0.790 | 40 | |
| Beryllium | 94.4 | 2.2 | " | 98.4 | ND | 95.9 | 70-130 | 0.469 | 20 | |
| Chromium | 110 | 2.3 | " | 98.4 | 13.7 | 97.9 | 70-130 | 0.279 | 20 | |
| Molybdenum | 93.1 | 5.2 | " | 98.4 | 0.661 | 93.9 | 70-130 | 5.42 | 20 | |
| Thallium | 98.8 | 17 | " | 98.4 | ND | 100 | 70-130 | 0.255 | 20 | |
| Selenium | 96.6 | 6.9 | " | 98.4 | ND | 98.2 | 70-130 | 0.116 | 20 | |
| Cadmium | 98.8 | 2.5 | " | 98.4 | ND | 100 | 70-130 | 0.758 | 20 | |
| Vanadium | 118 | 5.1 | " | 98.4 | 24.0 | 95.5 | 70-130 | 0.296 | 20 | |
| Zinc | 127 | 7.0 | " | 98.4 | 28.5 | 99.9 | 70-130 | 12.1 | 20 | |
| Lead | 102 | 7.1 | " | 98.4 | 4.55 | 98.7 | 70-130 | 0.480 | 30 | |
| Nickel | 106 | 3.0 | " | 98.4 | 8.55 | 99.2 | 70-130 | 0.187 | 20 | |
| Copper | 116 | 5.0 | " | 98.4 | 13.6 | 104 | 70-130 | 0.758 | 30 | |
| Barium | 240 | 6.0 | " | 98.4 | 82.6 | 160 | 70-130 | 0.493 | 20 | QM-07 |

Batch B1G1412 - EPA 3050B

| Blank (B1G1412-BLK1) | | | | Prepared: 07/14/21 Analyzed: 07/19/21 |
|----------------------|----|-----|-------|---------------------------------------|
| Zinc | ND | 7.0 | mg/kg | |
| Thallium | ND | 17 | " | |
| Selenium | ND | 6.9 | " | |
| Lead | ND | 7.1 | " | |
| Copper | ND | 5.0 | " | |
| Antimony | ND | 8.0 | " | |
| Nickel | ND | 3.0 | " | |
| Molybdenum | ND | 5.2 | " | |
| Barium | ND | 6.0 | " | |
| Chromium | ND | 2.3 | " | |
| Arsenic | ND | 5.5 | " | |
| Vanadium | ND | 5.1 | " | |
| Cobalt | ND | 3.3 | " | |
| Silver | ND | 2.0 | " | |
| Beryllium | ND | 2.2 | " | |
| Cadmium | ND | 2.5 | " | |



Mearns Consulting LLC
Project: Town Center Northwest
738 Ashland Avenue
Project Number: [none]

738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

| LCS (B1G1412-BS1) | | | | Prepared: 07/14 | 1/21 Analyzed: 07 | //19/21 | | |
|------------------------|------|-----|-------|-----------------|-------------------|---------|------|----|
| Thallium | 104 | 17 | mg/kg | 100 | 104 | 80-120 | | |
| Cadmium | 104 | 2.5 | " | 100 | 104 | 80-120 | | |
| Beryllium | 94.1 | 2.2 | " | 100 | 94.1 | 80-120 | | |
| Lead | 95.0 | 7.1 | " | 100 | 95.0 | 80-120 | | |
| <i>V</i> anadium | 91.6 | 5.1 | " | 100 | 91.6 | 80-120 | | |
| Copper | 100 | 5.0 | " | 100 | 100 | 78-122 | | |
| ilver | 101 | 2.0 | " | 100 | 101 | 60-140 | | |
| ntimony | 102 | 8.0 | " | 100 | 102 | 75-125 | | |
| lickel | 98.4 | 3.0 | " | 100 | 98.4 | 80-120 | | |
| obalt | 107 | 3.3 | " | 100 | 107 | 80-120 | | |
| inc | 100 | 7.0 | " | 100 | 100 | 80-120 | | |
| lolybdenum | 99.8 | 5.2 | " | 100 | 99.8 | 80-120 | | |
| arium | 106 | 6.0 | " | 100 | 106 | 80-120 | | |
| hromium | 98.3 | 2.3 | " | 100 | 98.3 | 80-120 | | |
| rsenic | 95.4 | 5.5 | " | 100 | 95.4 | 78-122 | | |
| elenium | 93.8 | 6.9 | " | 100 | 93.8 | 76-124 | | |
| .CS Dup (B1G1412-BSD1) | | | | Prepared: 07/14 | 1/21 Analyzed: 07 | 7/19/21 | | |
| eryllium | 88.7 | 2.2 | mg/kg | 100 | 88.7 | 80-120 | 5.85 | 20 |
| opper | 104 | 5.0 | " | 100 | 104 | 78-122 | 3.97 | 20 |
| ead | 90.2 | 7.1 | " | 100 | 90.2 | 80-120 | 5.18 | 20 |
| ntimony | 96.2 | 8.0 | " | 100 | 96.2 | 75-125 | 5.41 | 20 |
| hromium | 92.4 | 2.3 | " | 100 | 92.4 | 80-120 | 6.16 | 20 |
| ilver | 92.1 | 2.0 | " | 100 | 92.1 | 60-140 | 8.97 | 40 |
| Iolybdenum | 94.6 | 5.2 | " | 100 | 94.6 | 80-120 | 5.30 | 20 |
| arium | 99.2 | 6.0 | " | 100 | 99.2 | 80-120 | 6.23 | 20 |
| lickel | 93.0 | 3.0 | " | 100 | 93.0 | 80-120 | 5.67 | 20 |
| obalt | 100 | 3.3 | " | 100 | 100 | 80-120 | 6.16 | 20 |
| admium | 97.6 | 2.5 | " | 100 | 97.6 | 80-120 | 6.06 | 20 |
| elenium | 88.5 | 6.9 | " | 100 | 88.5 | 76-124 | 5.79 | 20 |
| rsenic | 90.0 | 5.5 | " | 100 | 90.0 | 78-122 | 5.72 | 20 |
| hallium | 98.6 | 17 | " | 100 | 98.6 | 80-120 | 5.26 | 20 |
| inc | 95.2 | 7.0 | " | 100 | 95.2 | 80-120 | 5.29 | 20 |
| ⁷ anadium | 86.4 | 5.1 | " | 100 | 86.4 | 80-120 | 5.87 | 20 |



738 Ashland AvenueProject Number: [none]Reported:Santa Monica CA, 90405Project Manager: Susan Mearns07/22/21 13:51

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

| Ratch | R 16 | C14 | 12 _ | FΡΔ | 3050B |
|-------|-------------|------|------|-----|-------|
| Daten | DI | LTI4 | 12- | LEA | ういういわ |

| Matrix Spike (B1G1412-MS1) | Source | : 2107188-2 | 21 | Prepared: 0 | 7/14/21 A | nalyzed: 07 | 7/19/21 | | |
|---|---|--|---|--|--|--|--|--|--|
| Antimony | 87.8 | 8.0 | mg/kg | 97.5 | ND | 90.1 | 60-140 | | |
| Chromium | 100 | 2.3 | " | 97.5 | 7.00 | 95.6 | 70-130 | | |
| Lead | 91.1 | 7.1 | " | 97.5 | 1.24 | 92.2 | 70-130 | | |
| Nickel | 96.1 | 3.0 | " | 97.5 | 4.45 | 94.0 | 70-130 | | |
| Beryllium | 90.5 | 2.2 | " | 97.5 | ND | 92.8 | 70-130 | | |
| Copper | 96.9 | 5.0 | " | 97.5 | 4.43 | 94.9 | 70-130 | | |
| ilver | 91.4 | 2.0 | " | 97.5 | ND | 93.8 | 60-140 | | |
| arium | 140 | 6.0 | " | 97.5 | 32.0 | 110 | 70-130 | | |
| obalt | 103 | 3.3 | " | 97.5 | 3.34 | 102 | 70-130 | | |
| rsenic | 93.7 | 5.5 | " | 97.5 | ND | 96.1 | 70-130 | | |
| elenium | 91.6 | 6.9 | " | 97.5 | ND | 94.0 | 70-130 | | |
| 1olybdenum | 91.7 | 5.2 | " | 97.5 | ND | 94.1 | 70-130 | | |
| anadium | 99.3 | 5.1 | " | 97.5 | 9.20 | 92.4 | 70-130 | | |
| hallium | 96.4 | 17 | " | 97.5 | ND | 98.9 | 70-130 | | |
| inc | 113 | 7.0 | " | 97.5 | 15.9 | 99.4 | 70-130 | | |
| admium | 99.5 | 2.5 | " | 97.5 | ND | 102 | 70-130 | | |
| Matrix Spike Dup (B1G1412-MSD1) | Source | : 2107188-2 | 21 | Prepared: 0 | 7/14/21 A | nalyzed: 07 | 7/19/21 | | |
| Cadmium | 96.2 | 2.5 | mg/kg | 97.0 | ND | 99.2 | 70-130 | 3.32 | 20 |
| opper | 111 | 5.0 | " | 97.0 | 4.43 | 110 | 70-130 | 14.0 | 30 |
| ilver | 91.1 | 2.0 | " | 97.0 | ND | 94.0 | 60-140 | 0.326 | 40 |
| | | | | | | | | | |
| rsenic | 91.1 | 5.5 | " | 97.0 | ND | 93.9 | 70-130 | 2.80 | 20 |
| | 91.1 85.4 | 5.5 8.0 | " | 97.0 97.0 | ND ND | 93.9 88.0 | 70-130 60-140 | 2.80 2.84 | 20 20 |
| ntimony | | | | | | | | | |
| ntimony obalt | 85.4 | 8.0 | " | 97.0 | ND | 88.0 | 60-140 | 2.84 | 20 |
| ntimony obalt ead | 85.4 101 | 8.0 3.3 | " | 97.0 97.0 | ND 3.34 | 88.0 100 | 60-140 70-130 | 2.84 2.40 | 20 20 |
| antimony Pobalt ead Beryllium | 85.4 101 88.7 | 8.0 3.3 7.1 | " | 97.0 97.0 97.0 | ND 3.34 1.24 | 88.0 100 90.2 | 60-140 70-130 70-130 | 2.84 2.40 2.65 | 20 20 30 |
| ntimony obalt ead eryllium folybdenum | 85.4 101 88.7 88.7 | 8.0 3.3 7.1 2.2 | " " " | 97.0 97.0 97.0 97.0 | ND 3.34 1.24 ND | 88.0 100 90.2 91.4 | 60-140 70-130 70-130 70-130 | 2.84 2.40 2.65 2.01 | 20 20 30 20 |
| ntimony obalt ead eryllium folybdenum hallium | 85.4 101 88.7 88.7 89.6 | 8.0 3.3 7.1 2.2 5.2 | " " " | 97.0 97.0 97.0 97.0 97.0 | ND 3.34 1.24 ND ND | 88.0 100 90.2 91.4 92.4 | 60-140 70-130 70-130 70-130 70-130 | 2.84 2.40 2.65 2.01 2.28 | 20 20 30 20 20 |
| ntimony obalt ead eryllium folybdenum hallium elenium | 85.4 101 88.7 88.7 89.6 93.5 | 8.0 3.3 7.1 2.2 5.2 | " | 97.0 97.0 97.0 97.0 97.0 97.0 | ND 3.34 1.24 ND ND | 88.0 100 90.2 91.4 92.4 96.4 | 60-140 70-130 70-130 70-130 70-130 70-130 | 2.84 2.40 2.65 2.01 2.28 2.99 | 20 20 30 20 20 20 |
| ntimony obalt ead eryllium Iolybdenum hallium elenium anadium | 85.4 101 88.7 88.7 89.6 93.5 | 8.0 3.3 7.1 2.2 5.2 17 6.9 | "" "" "" "" "" "" "" "" "" "" "" "" "" | 97.0 97.0 97.0 97.0 97.0 97.0 | ND 3.34 1.24 ND ND ND ND | 88.0 100 90.2 91.4 92.4 96.4 91.8 | 60-140 70-130 70-130 70-130 70-130 70-130 70-130 | 2.84 2.40 2.65 2.01 2.28 2.99 2.85 | 20 20 30 20 20 20 20 |
| ontimony Cobalt Lead Lead Leryllium Lolybdenum Lhallium Lelenium Lanadium Lanadium Lanadium | 85.4 101 88.7 88.7 89.6 93.5 89.1 97.1 | 8.0 3.3 7.1 2.2 5.2 17 6.9 5.1 | "" "" "" "" "" "" "" "" "" "" "" "" "" | 97.0 97.0 97.0 97.0 97.0 97.0 97.0 | ND 3.34 1.24 ND ND ND ND ND 9.20 | 88.0 100 90.2 91.4 92.4 96.4 91.8 90.6 | 60-140 70-130 70-130 70-130 70-130 70-130 70-130 | 2.84 2.40 2.65 2.01 2.28 2.99 2.85 2.24 | 20 20 30 20 20 20 20 20 |
| Arsenic Antimony Cobalt Acead Beryllium Molybdenum Thallium Belenium Sarium Chromium | 85.4 101 88.7 88.7 89.6 93.5 89.1 97.1 | 8.0 3.3 7.1 2.2 5.2 17 6.9 5.1 6.0 | "" "" "" "" "" "" "" "" "" "" "" "" "" | 97.0 97.0 97.0 97.0 97.0 97.0 97.0 97.0 | ND 3.34 1.24 ND ND ND ND ND 2.20 32.0 | 88.0 100 90.2 91.4 92.4 96.4 91.8 90.6 108 | 60-140 70-130 70-130 70-130 70-130 70-130 70-130 70-130 | 2.84 2.40 2.65 2.01 2.28 2.99 2.85 2.24 2.35 | 20 20 30 20 20 20 20 20 20 |



Mearns Consulting LLC Project: Town Center Northwest 738 Ashland Avenue Project Number: [none]

738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

| Batch B1G1413 - EPA 3050B | | | | | | | |
|---------------------------|------|-----|-------|-----------------|-------------------|--------|--|
| Blank (B1G1413-BLK1) | | | | Prepared: 07/14 | 4/21 Analyzed: 07 | /19/21 | |
| Selenium | ND | 6.9 | mg/kg | • | • | | |
| Vanadium | ND | 5.1 | " | | | | |
| Copper | ND | 5.0 | " | | | | |
| Antimony | ND | 8.0 | " | | | | |
| Silver | ND | 2.0 | " | | | | |
| ead | ND | 7.1 | " | | | | |
| Molybdenum | ND | 5.2 | " | | | | |
| hallium | ND | 17 | " | | | | |
| admium | ND | 2.5 | " | | | | |
| rsenic | ND | 5.5 | " | | | | |
| obalt | ND | 3.3 | " | | | | |
| ickel | ND | 3.0 | " | | | | |
| eryllium | ND | 2.2 | " | | | | |
| nromium | ND | 2.3 | " | | | | |
| nrium | ND | 6.0 | " | | | | |
| nc | ND | 7.0 | " | | | | |
| CS (B1G1413-BS1) | | | | Prepared: 07/14 | 4/21 Analyzed: 07 | /19/21 | |
| Chromium | 99.8 | 2.3 | mg/kg | 100 | 99.8 | 80-120 | |
| ne | 109 | 7.0 | " | 100 | 109 | 80-120 | |
| rium | 108 | 6.0 | " | 100 | 108 | 80-120 | |
| nadium | 90.2 | 5.1 | " | 100 | 90.2 | 80-120 | |
| ryllium | 93.3 | 2.2 | " | 100 | 93.3 | 80-120 | |
| ckel | 101 | 3.0 | " | 100 | 101 | 80-120 | |
| dmium | 106 | 2.5 | " | 100 | 106 | 80-120 | |
| ntimony | 104 | 8.0 | " | 100 | 104 | 75-125 | |
| elenium | 102 | 6.9 | " | 100 | 102 | 76-124 | |
| lver | 107 | 2.0 | " | 100 | 107 | 60-140 | |
| opper | 96.1 | 5.0 | " | 100 | 96.1 | 78-122 | |
| ad | 102 | 7.1 | " | 100 | 102 | 80-120 | |
| rsenic | 103 | 5.5 | " | 100 | 103 | 78-122 | |
| olybdenum | 96.6 | 5.2 | " | 100 | 96.6 | 80-120 | |
| allium | 108 | 17 | " | 100 | 108 | 80-120 | |
| balt | 111 | 3.3 | " | 100 | 111 | 80-120 | |
| | | | | | | | |



Arsenic

Antimony Cadmium

Mearns Consulting LLC Project: Town Center Northwest

738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

Spike

Source

%REC

RPD

Reporting

| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
|----------------------------|--------|-------------|-------|-------------|------------|-------------|---------|-------|-------|-------|
| Batch B1G1413 - EPA 3050B | | | | | | | | | | |
| LCS Dup (B1G1413-BSD1) | | | | Prepared: (| 07/14/21 A | nalyzed: 07 | //19/21 | | | |
| Silver | 108 | 2.0 | mg/kg | 100 | | 108 | 60-140 | 1.37 | 40 | |
| Molybdenum | 101 | 5.2 | " | 100 | | 101 | 80-120 | 4.23 | 20 | |
| Nickel | 98.9 | 3.0 | " | 100 | | 98.9 | 80-120 | 1.93 | 20 | |
| Barium | 107 | 6.0 | " | 100 | | 107 | 80-120 | 1.32 | 20 | |
| Chromium | 98.9 | 2.3 | " | 100 | | 98.9 | 80-120 | 0.931 | 20 | |
| Lead | 99.9 | 7.1 | " | 100 | | 99.9 | 80-120 | 2.35 | 20 | |
| Гhallium | 107 | 17 | " | 100 | | 107 | 80-120 | 0.535 | 20 | |
| Zinc | 109 | 7.0 | " | 100 | | 109 | 80-120 | 0.459 | 20 | |
| Cadmium | 104 | 2.5 | " | 100 | | 104 | 80-120 | 2.29 | 20 | |
| Arsenic | 102 | 5.5 | " | 100 | | 102 | 78-122 | 1.78 | 20 | |
| Antimony | 101 | 8.0 | " | 100 | | 101 | 75-125 | 2.83 | 20 | |
| Selenium | 100 | 6.9 | " | 100 | | 100 | 76-124 | 1.88 | 20 | |
| Vanadium | 88.6 | 5.1 | " | 100 | | 88.6 | 80-120 | 1.76 | 20 | |
| Beryllium | 92.1 | 2.2 | " | 100 | | 92.1 | 80-120 | 1.27 | 20 | |
| Cobalt | 109 | 3.3 | " | 100 | | 109 | 80-120 | 1.30 | 20 | |
| Copper | 95.7 | 5.0 | " | 100 | | 95.7 | 78-122 | 0.417 | 20 | |
| Matrix Spike (B1G1413-MS1) | Sourc | e: 2107188- | 41 | Prepared: (| 07/14/21 A | nalyzed: 07 | //19/21 | | | |
| Barium | 185 | 6.0 | mg/kg | 99.2 | 65.7 | 120 | 70-130 | | | |
| Nickel | 101 | 3.0 | " | 99.2 | 11.6 | 89.7 | 70-130 | | | |
| Zinc | 137 | 7.0 | " | 99.2 | 34.9 | 103 | 70-130 | | | |
| Vanadium | 110 | 5.1 | " | 99.2 | 22.6 | 88.4 | 70-130 | | | |
| Thallium | 90.3 | 17 | " | 99.2 | ND | 91.0 | 70-130 | | | |
| Selenium | 90.7 | 6.9 | " | 99.2 | ND | 91.5 | 70-130 | | | |
| Silver | 108 | 2.0 | " | 99.2 | ND | 109 | 60-140 | | | |
| Lead | 89.6 | 7.1 | " | 99.2 | 4.09 | 86.2 | 70-130 | | | |
| Molybdenum | 83.6 | 5.2 | " | 99.2 | 0.725 | 83.5 | 70-130 | | | |
| Copper | 97.7 | 5.0 | " | 99.2 | 12.2 | 86.2 | 70-130 | | | |
| Chromium | 107 | 2.3 | " | 99.2 | 17.0 | 90.9 | 70-130 | | | |
| Cobalt | 101 | 3.3 | " | 99.2 | 7.33 | 94.8 | 70-130 | | | |
| Beryllium | 83.1 | 2.2 | " | 99.2 | ND | 83.8 | 70-130 | | | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

5.5

8.0

2.5

93.8

73.9

98.4

99.2

99.2

99.2

ND

ND

94.6

74.4

99.2

70-130

60-140

70-130



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

| Ratch | R1G1 | 413 - | EPA | 3050B |
|-------|------|-------|-----|-------|
| | | | | |

| Matrix Spike Dup (B1G1413-MSD1) | Source | Source: 2107188-41 | | | | Prepared: 07/14/21 Analyzed: 07/19/21 | | | | |
|---------------------------------|--------|--------------------|-------|------|-------|---------------------------------------|--------|------|----|--|
| Antimony | 65.3 | 8.0 | mg/kg | 99.8 | ND | 65.4 | 60-140 | 12.3 | 20 | |
| Selenium | 86.7 | 6.9 | " | 99.8 | ND | 86.9 | 70-130 | 4.56 | 20 | |
| Vanadium | 103 | 5.1 | " | 99.8 | 22.6 | 80.7 | 70-130 | 6.68 | 20 | |
| Barium | 172 | 6.0 | " | 99.8 | 65.7 | 107 | 70-130 | 7.03 | 20 | |
| Zinc | 129 | 7.0 | " | 99.8 | 34.9 | 94.2 | 70-130 | 6.12 | 20 | |
| Arsenic | 82.3 | 5.5 | " | 99.8 | ND | 82.5 | 70-130 | 13.1 | 20 | |
| Lead | 79.1 | 7.1 | " | 99.8 | 4.09 | 75.2 | 70-130 | 12.4 | 30 | |
| Thallium | 81.9 | 17 | " | 99.8 | ND | 82.0 | 70-130 | 9.75 | 20 | |
| Beryllium | 77.9 | 2.2 | " | 99.8 | ND | 78.1 | 70-130 | 6.48 | 20 | |
| Cobalt | 94.9 | 3.3 | " | 99.8 | 7.33 | 87.8 | 70-130 | 6.63 | 20 | |
| Chromium | 100 | 2.3 | " | 99.8 | 17.0 | 83.3 | 70-130 | 6.76 | 20 | |
| Nickel | 87.8 | 3.0 | " | 99.8 | 11.6 | 76.4 | 70-130 | 13.6 | 20 | |
| Cadmium | 91.8 | 2.5 | " | 99.8 | ND | 92.0 | 70-130 | 6.88 | 20 | |
| Copper | 110 | 5.0 | " | 99.8 | 12.2 | 97.9 | 70-130 | 11.7 | 30 | |
| Silver | 104 | 2.0 | " | 99.8 | ND | 105 | 60-140 | 3.66 | 40 | |
| Molybdenum | 95.4 | 5.2 | " | 99.8 | 0.725 | 94.8 | 70-130 | 13.1 | 20 | |

Batch B1G1414 - EPA 7471A

| Blank (B1G1414-BLK1) | | | | Prepared: 0 | 7/14/21 A | Analyzed: 0' | 7/16/21 | | |
|----------------------------|---------|-----------|-------|-------------|-----------|--------------|---------|--|--|
| Mercury | ND | 0.90 | mg/kg | | | | | | |
| LCS (B1G1414-BS1) | | | | Prepared: 0 | 7/14/21 A | Analyzed: 0' | 7/16/21 | | |
| Mercury | 0.12 | 0.90 | mg/kg | 0.167 | | 70.5 | 70-130 | | |
| Matrix Spike (B1G1414-MS1) | Source: | 2107188-0 |)1 | Prepared: 0 | 7/14/21 A | Analyzed: 0' | 7/16/21 | | |
| Mercury | 0.16 | 0.90 | mg/kg | 0.163 | ND | 100 | 70-130 | | |



Mearns Consulting LLC Project: Town Center Northwest 738 Ashland Avenue Project Number: [none]

Santa Monica CA, 90405 Project Manager: Susan Mearns

Reported: 07/22/21 13:51

$Metals\ by\ EPA\ 6000/7000\ Series\ Methods\ -\ Quality\ Control$

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------|--------|--------------|-------|-------------|------------|--------------|---------|-------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch B1G1414 - EPA 7471A | | | | | | | | | | |
| Matrix Spike Dup (B1G1414-MSD1) | Sour | ce: 2107188- | 01 | Prepared: (|)7/14/21 A | Analyzed: 07 | 7/16/21 | | | |
| Mercury | 0.16 | 0.90 | mg/kg | 0.162 | ND | 99.9 | 70-130 | 0.871 | 30 | |
| Batch B1G1415 - EPA 7471A | | | | | | | | | | |
| Blank (B1G1415-BLK1) | | | | Prepared: (|)7/14/21 A | Analyzed: 07 | 7/16/21 | | | |
| Mercury | ND | 0.90 | mg/kg | | | | | | | |
| LCS (B1G1415-BS1) | | | | Prepared: (|)7/14/21 A | Analyzed: 07 | 7/16/21 | | | |
| Mercury | 0.12 | 0.90 | mg/kg | 0.167 | | 70.6 | 70-130 | | | |
| Matrix Spike (B1G1415-MS1) | Sour | ce: 2107188- | 21 | Prepared: (|)7/14/21 A | Analyzed: 07 | 7/16/21 | | | |
| Mercury | 0.16 | 0.90 | mg/kg | 0.161 | ND | 101 | 70-130 | | | |
| Matrix Spike Dup (B1G1415-MSD1) | Sour | ce: 2107188- | 21 | Prepared: (|)7/14/21 A | Analyzed: 07 | 7/16/21 | | | |
| Mercury | 0.16 | 0.90 | mg/kg | 0.158 | ND | 100 | 70-130 | 1.79 | 30 | |
| Batch B1G1416 - EPA 7471A | | | | | | | | | | |
| Blank (B1G1416-BLK1) | | | | Prepared: (|)7/14/21 A | Analyzed: 07 | 7/16/21 | | | |
| Mercury | ND | 0.90 | mg/kg | | | | | | | |
| LCS (B1G1416-BS1) | | | | Prepared: (|)7/14/21 A | Analyzed: 07 | 7/16/21 | | | |
| Mercury | 0.12 | 0.90 | mg/kg | 0.167 | | 70.7 | 70-130 | | | |
| Matrix Spike (B1G1416-MS1) | Sour | ce: 2107188- | 41 | Prepared: (|)7/14/21 A | Analyzed: 07 | 7/16/21 | | | |
| Mercury | 0.20 | 0.90 | mg/kg | 0.161 | ND | 124 | 70-130 | | | |



Mearns Consulting LLC

Project: Town Center Northwest

738 Ashland Avenue

Project Number: [none]

738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------|----------|--------------|-------|-------------|-------------|-------------|---------|-------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch B1G1416 - EPA 7471A | | | | | | | - | | - | |
| Matrix Spike Dup (B1G1416-MSD1) | Source | ce: 2107188- | 41 | Prepared: (| 07/14/21 At | nalyzed: 07 | //16/21 | | | |
| Mercury | 0.19 | 0.90 | mg/kg | 0.158 | ND | 122 | 70-130 | 4.05 | 30 | |
| Batch B1G1417 - EPA 3060A | | | | | | | | | | |
| Blank (B1G1417-BLK1) | | | | Prepared: (| 07/14/21 A | nalyzed: 07 | //19/21 | | | |
| Hexavalent Chromium | ND | 0.10 | mg/kg | | | | | | | |
| LCS (B1G1417-BS1) | | | | Prepared: (| 07/14/21 At | nalyzed: 07 | //19/21 | | | |
| Hexavalent Chromium | 0.161 | 0.10 | mg/kg | 0.150 | | 107 | 80-120 | | | |
| Matrix Spike (B1G1417-MS1) | Source | ce: 2107188- | 01 | Prepared: (| 07/14/21 A | nalyzed: 07 | //19/21 | | | |
| Hexavalent Chromium | 0.200 | 0.10 | mg/kg | 0.149 | 0.0624 | 92.3 | 75-125 | | | |
| Matrix Spike Dup (B1G1417-MSD1) | Source | ce: 2107188- | 01 | Prepared: (| 07/14/21 At | nalyzed: 07 | //19/21 | | | |
| Hexavalent Chromium | 0.199 | 0.10 | mg/kg | 0.149 | 0.0624 | 91.4 | 75-125 | 0.823 | 20 | |
| Batch B1G1418 - EPA 3060A | | | | | | | | | | |
| Blank (B1G1418-BLK1) | <u> </u> | | | Prepared: (| 07/14/21 Aı | nalyzed: 07 | //19/21 | | | |
| Hexavalent Chromium | ND | 0.10 | mg/kg | - | | | | | | |
| LCS (B1G1418-BS1) | | | | Prepared: (| 07/14/21 A | nalyzed: 07 | //19/21 | | | |
| Hexavalent Chromium | 0.152 | 0.10 | mg/kg | 0.150 | | 101 | 80-120 | | | |
| Matrix Spike (B1G1418-MS1) | Source | ce: 2107188- | 21 | Prepared: (| 07/14/21 At | nalyzed: 07 | //19/21 | | | |
| Hexavalent Chromium | 0.149 | 0.10 | mg/kg | 0.149 | ND | 99.9 | 75-125 | | | |



Mearns Consulting LLC

Project: Town Center Northwest

738 Ashland Avenue

Project Number: [none]

Santa Monica CA, 90405 Project Manager: Susan Mearns

Reported: 07/22/21 13:51

$Metals\ by\ EPA\ 6000/7000\ Series\ Methods\ -\ Quality\ Control$

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------|--------|-------------|-----------|-------------|-------------|-------------|--------|-------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch B1G1418 - EPA 3060A | | | | | | | | | | |
| Matrix Spike Dup (B1G1418-MSD1) | Source | : 2107188-2 | 21 | Prepared: 0 |)7/14/21 At | nalyzed: 07 | /19/21 | | | |
| Hexavalent Chromium | 0.142 | 0.10 | mg/kg | 0.149 | ND | 95.6 | 75-125 | 4.53 | 20 | |
| Batch B1G1419 - EPA 3060A | | | | | | | | | | |
| Blank (B1G1419-BLK1) | | | | Prepared: 0 |)7/14/21 At | nalyzed: 07 | /19/21 | | | |
| Hexavalent Chromium | ND | 0.10 | mg/kg | | | | | | | |
| LCS (B1G1419-BS1) | | | | Prepared: 0 |)7/14/21 At | nalyzed: 07 | /19/21 | | | |
| Hexavalent Chromium | 0.144 | 0.10 | mg/kg | 0.150 | | 96.2 | 80-120 | | | |
| Matrix Spike (B1G1419-MS1) | Source | : 2107188-4 | 41 | Prepared: 0 |)7/14/21 Aı | nalyzed: 07 | /19/21 | | | |
| Hexavalent Chromium | 0.146 | 0.10 | mg/kg | 0.145 | 0.0341 | 77.2 | 75-125 | | | |
| Matrix Spike Dup (B1G1419-MSD1) | Source | : 2107188-4 | 41 | Prepared: 0 |)7/14/21 Aı | nalyzed: 07 | /19/21 | | | |
| Hexavalent Chromium | 0.145 | 0.10 | mg/kg | 0.145 | 0.0341 | 76.9 | 75-125 | 0.525 | 20 | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|--|--------|--------------|-------|------------|-----------|----------|--------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch B1G1502 - EPA 5035 P & T | | | | | | | | | | |
| Blank (B1G1502-BLK1) | | | | Prepared & | Analyzed: | 07/15/21 | | | | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | mg/kg | | | | · | | | |
| LCS (B1G1502-BS1) | | | | Prepared & | Analyzed: | 07/15/21 | | | | |
| Gasoline Range Hydrocarbons (C4-C12) | 0.570 | 0.050 | mg/kg | 0.600 | | 95.0 | 80-120 | | | |
| Matrix Spike (B1G1502-MS1) | Sour | ce: 2107188- | 01 | Prepared & | Analyzed: | 07/15/21 | | | | |
| Gasoline Range Hydrocarbons (C4-C12) | 0.455 | 0.050 | mg/kg | 0.600 | ND | 75.8 | 50-150 | | | |
| Matrix Spike Dup (B1G1502-MSD1) | Sour | ce: 2107188- | 01 | Prepared & | Analyzed: | 07/15/21 | | | | |
| Gasoline Range Hydrocarbons (C4-C12) | 0.480 | 0.050 | mg/kg | 0.600 | ND | 80.0 | 50-150 | 5.35 | 30 | |
| Batch B1G1503 - EPA 5035 P & T | | | | | | | | | | |
| Blank (B1G1503-BLK1) | | | | Prepared & | Analyzed: | 07/15/21 | | | | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | mg/kg | | | | | | | |
| LCS (B1G1503-BS1) | | | | Prepared & | Analyzed: | 07/15/21 | | | | |
| Gasoline Range Hydrocarbons (C4-C12) | 0.531 | 0.050 | mg/kg | 0.600 | | 88.5 | 80-120 | | | |
| Matrix Spike (B1G1503-MS1) | Sour | ce: 2107204- | 01 | Prepared & | Analyzed: | 07/15/21 | | | | |
| Gasoline Range Hydrocarbons (C4-C12) | 0.466 | 0.050 | mg/kg | 0.600 | ND | 77.7 | 50-150 | | | |
| Matrix Spike Dup (B1G1503-MSD1) | Sour | ce: 2107204- | 01 | Prepared & | Analyzed: | 07/15/21 | | | | |
| Gasoline Range Hydrocarbons (C4-C12) | 0.371 | 0.050 | mg/kg | 0.600 | ND | 61.8 | 50-150 | 22.7 | 30 | |
| Batch B1G1504 - EPA 3550B Solid Ext | | | | | | | | | | |
| Blank (B1G1504-BLK1) | | | | Prepared & | Analyzed: | 07/15/21 | | | | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | mg/kg | | | | | | | |
| | | | | | | | | | | |



738 Ashland AvenueProject Number: [none]Reported:Santa Monica CA, 90405Project Manager: Susan Mearns07/22/21 13:51

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|--|--------|-------------|-------|-------------|-------------|-------------|---------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch B1G1504 - EPA 3550B Solid Ext | | | | | | | | | | |
| LCS (B1G1504-BS1) | | | | Prepared & | k Analyzed: | 07/15/21 | | | | |
| Diesel Range Organics (C10-C24) | 18.1 | 5.0 | mg/kg | 20.0 | | 90.7 | 80-120 | | | |
| Matrix Spike (B1G1504-MS1) | Sourc | e: 2107188- | 01 | Prepared & | ե Analyzed: | 07/15/21 | | | | |
| Diesel Range Organics (C10-C24) | 19.6 | 5.0 | mg/kg | 20.0 | ND | 98.1 | 50-150 | | | |
| Matrix Spike Dup (B1G1504-MSD1) | Sourc | e: 2107188- | 01 | Prepared & | k Analyzed: | 07/15/21 | | | | |
| Diesel Range Organics (C10-C24) | 20.2 | 5.0 | mg/kg | 20.0 | ND | 101 | 50-150 | 2.77 | 30 | |
| Batch B1G1601 - EPA 3550B Solid Ext | | | | | | | | | | |
| Blank (B1G1601-BLK1) | | | | Prepared: (| 07/15/21 A | nalyzed: 07 | 7/16/21 | | | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | mg/kg | | | | | | | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | | | | | | | |
| LCS (B1G1601-BS1) | | | | Prepared: (| 07/15/21 A | nalyzed: 07 | 7/16/21 | | | |
| Diesel Range Organics (C10-C24) | 16.3 | 5.0 | mg/kg | 20.0 | | 81.5 | 80-120 | | | |
| Matrix Spike (B1G1601-MS1) | Sourc | e: 2107204- | 01 | Prepared: (| 07/15/21 A | nalyzed: 07 | 7/16/21 | | | |
| Diesel Range Organics (C10-C24) | 19.7 | 5.0 | mg/kg | 20.0 | ND | 98.6 | 50-150 | | | |
| Matrix Spike Dup (B1G1601-MSD1) | Sourc | e: 2107204- | 01 | Prepared: (| 07/15/21 A | nalyzed: 07 | 7/16/21 | | | |
| Diesel Range Organics (C10-C24) | 22.5 | 5.0 | mg/kg | 20.0 | ND | 112 | 50-150 | 13.1 | 30 | |
| Batch B1G1602 - EPA 3550B Solid Ext | | | | | | | | | | |
| Blank (B1G1602-BLK1) | | | | Prepared: (| 07/15/21 A | nalyzed: 07 | 7/16/21 | | | |
| Total Petroleum Hydrocarbons (C13-C22) | ND | 5.0 | mg/kg | | | | | | | |
| Total Petroleum Hydrocarbons (C23-C40) | ND | 5.0 | " | | | | | | | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Total Petroleum Hydrocarbons Carbon Range Analysis by GC-FID - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------------|--------------------|--------------|-------|-------------|------------|--------------|---------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch B1G1602 - EPA 3550B Solid Ext | | | | | | | | | | |
| LCS (B1G1602-BS1) | | | | Prepared: (| 07/15/21 A | nalyzed: 07 | 7/16/21 | | | |
| Diesel Range Organics (C10-C24) | 16.9 | 5.0 | mg/kg | 20.0 | | 84.7 | 80-120 | | | |
| Matrix Spike (B1G1602-MS1) | Sour | ce: 2107188- | 23 | Prepared: (|)7/15/21 A | analyzed: 07 | 7/16/21 | | | |
| Diesel Range Organics (C10-C24) | 16.0 | 5.0 | mg/kg | 20.0 | ND | 79.8 | 50-150 | | | |
| Matrix Spike Dup (B1G1602-MSD1) | Sour | ce: 2107188- | 23 | Prepared: (|)7/15/21 A | analyzed: 07 | 7/16/21 | | | |
| Diesel Range Organics (C10-C24) | 18.3 | 5.0 | mg/kg | 20.0 | ND | 91.4 | 50-150 | 13.6 | 30 | |
| Batch B1G1913 - EPA 5035 P & T | | | | | | | | | | |
| Blank (B1G1913-BLK1) | | | | Prepared: (| 07/19/21 A | analyzed: 07 | 7/20/21 | | | |
| Total Petroleum Hydrocarbons (C4-C12) | ND | 0.050 | mg/kg | | | | | | | |
| LCS (B1G1913-BS1) | | | | Prepared: (|)7/19/21 A | analyzed: 07 | 7/20/21 | | | |
| Gasoline Range Hydrocarbons (C4-C12) | 0.697 | 0.050 | mg/kg | 0.600 | | 116 | 80-120 | | | |
| Matrix Spike (B1G1913-MS1) | Sour | ce: 2107188- | 23 | Prepared: (|)7/19/21 A | analyzed: 07 | 7/20/21 | | | |
| Gasoline Range Hydrocarbons (C4-C12) | 0.570 | 0.050 | mg/kg | 0.600 | ND | 95.0 | 50-150 | | | |
| Matrix Spike Dup (B1G1913-MSD1) | Source: 2107188-23 | | | Prepared: (| 07/19/21 A | nalyzed: 07 | | | | |
| Gasoline Range Hydrocarbons (C4-C12) | 0.456 | 0.050 | mg/kg | 0.600 | ND | 76.0 | 50-150 | 22.2 | 30 | |
| | | | | | | | | | | |



Mearns Consulting LLC
Project: Town Center Northwest

738 Ashland Avenue
Project Number: [none]

738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch B1G1407 - EPA 5035 P & T

| Blank (B1G1407-BLK1) | | | | Prepared: 07/14/21 Analyzed: 07/15/21 |
|-----------------------------|----|-----|-------|---------------------------------------|
| Benzene | ND | 5.0 | μg/kg | |
| Bromobenzene | ND | 5.0 | " | |
| Bromochloromethane | ND | 5.0 | " | |
| Bromodichloromethane | ND | 5.0 | " | |
| Bromoform | ND | 5.0 | " | |
| Bromomethane | ND | 5.0 | " | |
| n-Butylbenzene | ND | 5.0 | " | |
| sec-Butylbenzene | ND | 5.0 | " | |
| tert-Butylbenzene | ND | 5.0 | " | |
| Carbon tetrachloride | ND | 5.0 | " | |
| Chlorobenzene | ND | 5.0 | " | |
| Chloroethane | ND | 5.0 | " | |
| Chloroform | ND | 5.0 | " | |
| Chloromethane | ND | 5.0 | " | |
| 2-Chlorotoluene | ND | 5.0 | " | |
| 4-Chlorotoluene | ND | 5.0 | " | |
| Dibromochloromethane | ND | 5.0 | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | |
| Dibromomethane | ND | 5.0 | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | |
| Ethylbenzene | ND | 5.0 | " | |
| Hexachlorobutadiene | ND | 5.0 | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

| Batch | R1C | 1407. | . FPA | 5035 | P & T | ١ |
|-------|-----|-------|-------|------|-------|---|
| | | | | | | |

| Blank (B1G1407-BLK1) | | | | Prepared: 07/1 | 4/21 Analyzed: 07 | /15/21 | |
|---------------------------|------|-----|-------|----------------|-------------------|--------|--|
| Isopropylbenzene | ND | 5.0 | μg/kg | | | | |
| p-Isopropyltoluene | ND | 5.0 | " | | | | |
| Methylene chloride | ND | 5.0 | " | | | | |
| Methyl tert-butyl ether | ND | 5.0 | " | | | | |
| Naphthalene | ND | 5.0 | " | | | | |
| n-Propylbenzene | ND | 5.0 | " | | | | |
| Styrene | ND | 5.0 | " | | | | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | " | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | " | | | | |
| Tetrachloroethene | ND | 5.0 | " | | | | |
| Toluene | ND | 5.0 | " | | | | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | " | | | | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | " | | | | |
| 1,1,1-Trichloroethane | ND | 5.0 | " | | | | |
| 1,1,2-Trichloroethane | ND | 5.0 | " | | | | |
| Trichloroethene | ND | 5.0 | " | | | | |
| Trichlorofluoromethane | ND | 5.0 | " | | | | |
| 1,2,3-Trichloropropane | ND | 5.0 | " | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | " | | | | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | | | | |
| Vinyl chloride | ND | 5.0 | " | | | | |
| m,p-Xylene | ND | 5.0 | " | | | | |
| o-Xylene | ND | 5.0 | " | | | | |
| LCS (B1G1407-BS1) | | | | Prepared: 07/1 | 4/21 Analyzed: 07 | /15/21 | |
| Benzene | 50.3 | 5.0 | μg/kg | 50.0 | 101 | 80-120 | |
| Chlorobenzene | 40.1 | 5.0 | " | 50.0 | 80.2 | 80-120 | |
| 1,1-Dichloroethene | 49.0 | 5.0 | " | 50.0 | 98.0 | 80-120 | |
| Toluene | 42.3 | 5.0 | " | 50.0 | 84.7 | 80-120 | |
| Trichloroethene | 50.2 | 5.0 | " | 50.0 | 100 | 80-120 | |
| | | | | | | | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch B1G1407 - EPA 5035 P & T

| Matrix Spike (B1G1407-MS1) | Source: 210 |)7188-(| 1 | Prepared: 07 | 7/14/21 A | nalyzed: 07 | /15/21 | | |
|---------------------------------|-------------|---------|-------|--------------|-----------|-------------|--------|------|----|
| Benzene | 49.1 | 5.0 | μg/kg | 50.0 | ND | 98.2 | 37-151 | | |
| Chlorobenzene | 38.2 | 5.0 | " | 50.0 | ND | 76.4 | 37-160 | | |
| 1,1-Dichloroethene | 48.0 | 5.0 | " | 50.0 | ND | 96.0 | 50-150 | | |
| Toluene | 40.2 | 5.0 | " | 50.0 | ND | 80.3 | 47-150 | | |
| Trichloroethene | 48.1 | 5.0 | " | 50.0 | ND | 96.2 | 71-157 | | |
| Matrix Spike Dup (B1G1407-MSD1) | Source: 210 |)7188-(|)1 | Prepared: 07 | 7/14/21 A | nalyzed: 07 | /15/21 | | |
| Benzene | 47.4 | 5.0 | μg/kg | 50.0 | ND | 94.8 | 37-151 | 3.56 | 30 |
| Chlorobenzene | 36.9 | 5.0 | " | 50.0 | ND | 73.9 | 37-160 | 3.33 | 30 |
| 1,1-Dichloroethene | 44.6 | 5.0 | " | 50.0 | ND | 89.2 | 50-150 | 7.37 | 30 |
| Toluene | 37.8 | 5.0 | " | 50.0 | ND | 75.5 | 47-150 | 6.14 | 30 |
| Trichloroethene | 46.2 | 5.0 | " | 50.0 | ND | 92.5 | 71-157 | 3.92 | 30 |

| Blank (B1G1505-BLK1) | | | | Prepared & Analyzed: 07/15/21 |
|-----------------------------|----|-----|-------|-------------------------------|
| Benzene | ND | 5.0 | μg/kg | |
| Bromobenzene | ND | 5.0 | " | |
| Bromochloromethane | ND | 5.0 | " | |
| Bromodichloromethane | ND | 5.0 | " | |
| Bromoform | ND | 5.0 | " | |
| Bromomethane | ND | 5.0 | " | |
| n-Butylbenzene | ND | 5.0 | " | |
| sec-Butylbenzene | ND | 5.0 | " | |
| tert-Butylbenzene | ND | 5.0 | " | |
| Carbon tetrachloride | ND | 5.0 | " | |
| Chlorobenzene | ND | 5.0 | " | |
| Chloroethane | ND | 5.0 | " | |
| Chloroform | ND | 5.0 | " | |
| Chloromethane | ND | 5.0 | " | |
| -Chlorotoluene | ND | 5.0 | " | |
| -Chlorotoluene | ND | 5.0 | " | |
| Dibromochloromethane | ND | 5.0 | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | |
| Dibromomethane | ND | 5.0 | " | |
| ,2-Dichlorobenzene | ND | 5.0 | " | |
| 3-Dichlorobenzene | ND | 5.0 | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch B1G1505 - EPA 5035 P & T

| Blank (B1G1505-BLK1) | | | | Prepared & Analyzed: 07/15/21 |
|---------------------------|----|-----|-------|-------------------------------|
| 1,4-Dichlorobenzene | ND | 5.0 | μg/kg | |
| Dichlorodifluoromethane | ND | 5.0 | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | |
| Ethylbenzene | ND | 5.0 | " | |
| Hexachlorobutadiene | ND | 5.0 | " | |
| Isopropylbenzene | ND | 5.0 | " | |
| p-Isopropyltoluene | ND | 5.0 | " | |
| Methylene chloride | ND | 5.0 | " | |
| Methyl tert-butyl ether | ND | 5.0 | " | |
| Naphthalene | ND | 5.0 | " | |
| n-Propylbenzene | ND | 5.0 | " | |
| Styrene | ND | 5.0 | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | " | |
| Tetrachloroethene | ND | 5.0 | " | |
| Toluene | ND | 5.0 | " | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | " | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | " | |
| 1,1,1-Trichloroethane | ND | 5.0 | " | |
| 1,1,2-Trichloroethane | ND | 5.0 | " | |
| Trichloroethene | ND | 5.0 | " | |
| Trichlorofluoromethane | ND | 5.0 | " | |
| 1,2,3-Trichloropropane | ND | 5.0 | " | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | " | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | |
| Vinyl chloride | ND | 5.0 | " | |
| m,p-Xylene | ND | 5.0 | " | |



Carbon tetrachloride

Chlorobenzene

Chloroethane

Chloroform

Mearns Consulting LLC
Project: Town Center Northwest

738 Ashland Avenue
Project Number: [none]

Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Reporting

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

Spike

Source

%REC

| | | Reporting | | Spike | Source | | %REC | | KPD | | |
|--|----------------------|---------------------------------|------------|-------------------------------|------------|-------------|---------|------|-------|-------|--|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes | |
| Batch B1G1505 - EPA 5035 P & T | | | | | | | | | | | |
| Blank (B1G1505-BLK1) | | | | Prepared & | Analyzed: | 07/15/21 | | | | | |
| o-Xylene | ND | 5.0 | μg/kg | | | | | | | | |
| LCS (B1G1505-BS1) | | | | Prepared & | Analyzed: | 07/15/21 | | | | | |
| Benzene | 48.1 | 5.0 | μg/kg | 50.0 | | 96.2 | 80-120 | | | | |
| Chlorobenzene | 47.1 | 5.0 | " | 50.0 | | 94.2 | 80-120 | | | | |
| 1,1-Dichloroethene | 45.5 | 5.0 | " | 50.0 | | 90.9 | 80-120 | | | | |
| Toluene | 40.0 | 5.0 | " | 50.0 | | 80.0 | 80-120 | | | | |
| Trichloroethene | 54.0 | 5.0 | " | 50.0 | | 108 | 80-120 | | | | |
| Matrix Spike (B1G1505-MS1) | Sour | | | | Analyzed: | 07/15/21 | | | | | |
| Benzene | 47.2 | 5.0 | μg/kg | 50.0 | ND | 94.5 | 37-151 | | | | |
| Chlorobenzene | 41.2 | 5.0 | " | 50.0 | ND | 82.3 | 37-160 | | | | |
| 1,1-Dichloroethene | 42.9 | 5.0 | " | 50.0 | ND | 85.8 | 50-150 | | | | |
| Toluene | 43.1 | 5.0 | " | 50.0 | ND | 86.3 | 47-150 | | | | |
| Trichloroethene | 55.4 | 5.0 | " | 50.0 | ND | 111 | 71-157 | | | | |
| Matrix Spike Dup (B1G1505-MSD1) | Sour | ce: 2107188- | 21 | Prepared & Analyzed: 07/15/21 | | | | | | | |
| Benzene | 48.8 | 5.0 | μg/kg | 50.0 | ND | 97.6 | 37-151 | 3.23 | 30 | | |
| Chlorobenzene | 41.6 | 5.0 | " | 50.0 | ND | 83.2 | 37-160 | 1.04 | 30 | | |
| 1,1-Dichloroethene | 44.7 | 5.0 | " | 50.0 | ND | 89.4 | 50-150 | 4.13 | 30 | | |
| Toluene | 45.5 | 5.0 | " | 50.0 | ND | 90.9 | 47-150 | 5.26 | 30 | | |
| Trichloroethene | 56.1 | 5.0 | " | 50.0 | ND | 112 | 71-157 | 1.18 | 30 | | |
| Batch B1G1507 - EPA 5035 P & T | | | | | | | | | | | |
| | | | | Prepared: () | 7/16/21 Aı | nalyzed: 07 | //19/21 | | | | |
| Blank (B1G1507-BLK1) | | | | r repared. 0 | | | | | | | |
| | ND | 5.0 | μg/kg | rrepared. o | | • | | | | | |
| Benzene | ND ND | 5.0 5.0 | μg/kg " | Trepared. 0 | | • | | | | | |
| Benzene Bromobenzene | | | | Trepared. 0 | | | | | | | |
| Benzene Bromobenzene Bromochloromethane | ND | 5.0 | " | Trepared. 0 | | • | | | | | |
| Benzene Bromobenzene Bromochloromethane Bromodichloromethane | ND ND | 5.0 5.0 | " | Trepared. 0 | | | | | | | |
| Benzene Bromobenzene Bromochloromethane Bromodichloromethane Bromoform | ND ND ND | 5.0 5.0 5.0 | " | Trepared. 0 | | · | | | | | |
| Blank (B1G1507-BLK1) Benzene Bromobenzene Bromochloromethane Bromodichloromethane Bromoform Bromomethane n-Butylbenzene | ND ND ND ND | 5.0 5.0 5.0 5.0 | " " | Trepared. 0 | | | | | | | |
| Benzene Bromobenzene Bromochloromethane Bromodichloromethane Bromoform Bromomethane | ND ND ND ND | 5.0 5.0 5.0 5.0 5.0 | " " " | Trepared. 0 | | | | | | | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

5.0

5.0

5.0

5.0

ND

ND

ND

ND

Reported:

RPD



Mearns Consulting LLCProject:Town Center Northwest738 Ashland AvenueProject Number:[none]

738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch B1G1507 - EPA 5035 P & T

| Blank (B1G1507-BLK1) | | | | Prepared: 07/16/21 Analyzed: 07/19/21 |
|-----------------------------|----|-----|-------|---------------------------------------|
| Chloromethane | ND | 5.0 | μg/kg | |
| 2-Chlorotoluene | ND | 5.0 | " | |
| 4-Chlorotoluene | ND | 5.0 | " | |
| Dibromochloromethane | ND | 5.0 | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5.0 | " | |
| 1,2-Dibromoethane (EDB) | ND | 5.0 | " | |
| Dibromomethane | ND | 5.0 | " | |
| 1,2-Dichlorobenzene | ND | 5.0 | " | |
| 1,3-Dichlorobenzene | ND | 5.0 | " | |
| 1,4-Dichlorobenzene | ND | 5.0 | " | |
| Dichlorodifluoromethane | ND | 5.0 | " | |
| 1,1-Dichloroethane | ND | 5.0 | " | |
| 1,2-Dichloroethane | ND | 5.0 | " | |
| 1,1-Dichloroethene | ND | 5.0 | " | |
| cis-1,2-Dichloroethene | ND | 5.0 | " | |
| trans-1,2-Dichloroethene | ND | 5.0 | " | |
| 1,2-Dichloropropane | ND | 5.0 | " | |
| 1,3-Dichloropropane | ND | 5.0 | " | |
| 2,2-Dichloropropane | ND | 5.0 | " | |
| 1,1-Dichloropropene | ND | 5.0 | " | |
| cis-1,3-Dichloropropene | ND | 5.0 | " | |
| trans-1,3-Dichloropropene | ND | 5.0 | " | |
| Ethylbenzene | ND | 5.0 | " | |
| Hexachlorobutadiene | ND | 5.0 | " | |
| Isopropylbenzene | ND | 5.0 | " | |
| p-Isopropyltoluene | ND | 5.0 | " | |
| Methylene chloride | ND | 5.0 | " | |
| Methyl tert-butyl ether | ND | 5.0 | " | |
| Naphthalene | ND | 5.0 | " | |
| n-Propylbenzene | ND | 5.0 | " | |
| Styrene | ND | 5.0 | " | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | " | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | " | |
| Tetrachloroethene | ND | 5.0 | " | |
| Toluene | ND | 5.0 | " | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | " | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

| Batch B1G1507 - EPA 5035 P & T | | | | | | | | | | |
|---------------------------------|--------|--------------|-------------|-------------|--------------|--------------|---------|------|----|--|
| Blank (B1G1507-BLK1) | | | | Prepared: 0 | 7/16/21 A | Analyzed: 07 | 7/19/21 | | | |
| 1,1,1-Trichloroethane | ND | 5.0 | μg/kg | | | | | | | |
| 1,1,2-Trichloroethane | ND | 5.0 | " | | | | | | | |
| Trichloroethene | ND | 5.0 | " | | | | | | | |
| Trichlorofluoromethane | ND | 5.0 | " | | | | | | | |
| 1,2,3-Trichloropropane | ND | 5.0 | " | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 5.0 | " | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 5.0 | " | | | | | | | |
| Vinyl chloride | ND | 5.0 | " | | | | | | | |
| m,p-Xylene | ND | 5.0 | " | | | | | | | |
| o-Xylene | ND | 5.0 | " | | | | | | | |
| LCS (B1G1507-BS1) | Prep | | Prepared: 0 | 7/16/21 A | Analyzed: 07 | 7/19/21 | | | | |
| Benzene | 48.2 | 5.0 | μg/kg | 50.0 | | 96.4 | 80-120 | | | |
| Chlorobenzene | 47.1 | 5.0 | " | 50.0 | | 94.2 | 80-120 | | | |
| 1,1-Dichloroethene | 44.3 | 5.0 | " | 50.0 | | 88.6 | 80-120 | | | |
| Toluene | 42.8 | 5.0 | " | 50.0 | | 85.7 | 80-120 | | | |
| Trichloroethene | 50.8 | 5.0 | " | 50.0 | | 102 | 80-120 | | | |
| Matrix Spike (B1G1507-MS1) | Source | e: 2107118-0 | 05 | Prepared: 0 | 7/16/21 A | Analyzed: 07 | 7/19/21 | | | |
| Benzene | 40.2 | 5.0 | μg/kg | 50.0 | ND | 80.4 | 37-151 | | | |
| Chlorobenzene | 34.2 | 5.0 | " | 50.0 | ND | 68.4 | 37-160 | | | |
| 1,1-Dichloroethene | 36.1 | 5.0 | " | 50.0 | ND | 72.3 | 50-150 | | | |
| Toluene | 36.4 | 5.0 | " | 50.0 | ND | 72.7 | 47-150 | | | |
| Trichloroethene | 43.2 | 5.0 | " | 50.0 | ND | 86.5 | 71-157 | | | |
| Matrix Spike Dup (B1G1507-MSD1) | Source | e: 2107118-0 | 05 | Prepared: 0 | 7/16/21 A | Analyzed: 07 | 7/19/21 | | | |
| Benzene | 44.9 | 5.0 | μg/kg | 50.0 | ND | 89.8 | 37-151 | 11.0 | 30 | |
| Chlorobenzene | 37.3 | 5.0 | " | 50.0 | ND | 74.6 | 37-160 | 8.73 | 30 | |
| 1,1-Dichloroethene | 39.1 | 5.0 | " | 50.0 | ND | 78.1 | 50-150 | 7.79 | 30 | |
| Toluene | 39.4 | 5.0 | " | 50.0 | ND | 78.9 | 47-150 | 8.12 | 30 | |
| Trichloroethene | 48.5 | 5.0 | " | 50.0 | ND | 97.0 | 71-157 | 11.4 | 30 | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | | l |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|---|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes | l |

Batch B1G1603 - EPA 3550B Solid Ext

| Blank (B1G1603-BLK1) | | | | Prepared: 07/15/21 Analyzed: 07/16/21 |
|-----------------------------|----|------|-------|---------------------------------------|
| Acenaphthene | ND | 0.33 | mg/kg | |
| Acenaphthylene | ND | 0.33 | " | |
| Anthracene | ND | 0.33 | " | |
| Benzidine | ND | 0.33 | " | |
| Benzo (a) anthracene | ND | 0.33 | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | |
| Benzo (a) pyrene | ND | 0.33 | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | |
| Benzyl alcohol | ND | 0.33 | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | |
| 4-Chloroaniline | ND | 0.33 | " | |
| 2-Chlorophenol | ND | 0.33 | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | |
| Chrysene | ND | 0.33 | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | |
| Dibenzofuran | ND | 0.33 | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | |
| Diethyl phthalate | ND | 0.33 | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | |
| Dimethyl phthalate | ND | 0.33 | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | |
| 2,4-Dinitrotoluene | ND | 0.33 | " | |
| 2,6-Dinitrotoluene | ND | 0.33 | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

$Semivolatile\ Organic\ Compounds\ by\ EPA\ Method\ 8270C\ -\ Quality\ Control$

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | | l |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|---|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes | l |

Batch B1G1603 - EPA 3550B Solid Ext

| Blank (B1G1603-BLK1) | | | | Prepared: 07/15/21 Analyzed: 07/16/21 |
|---------------------------|----|------|-------|---------------------------------------|
| Di-n-octyl phthalate | ND | 0.33 | mg/kg | |
| 1,2-Diphenylhydrazine | ND | 0.33 | " | |
| Fluoranthene | ND | 0.33 | " | |
| Fluorene | ND | 0.33 | " | |
| Hexachlorobenzene | ND | 0.33 | " | |
| Hexachlorobutadiene | ND | 0.33 | " | |
| Hexachlorocyclopentadiene | ND | 0.33 | " | |
| Hexachloroethane | ND | 0.33 | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.33 | " | |
| Isophorone | ND | 0.33 | " | |
| 2-Methylnaphthalene | ND | 0.33 | " | |
| 2-Methylphenol | ND | 0.33 | " | |
| 4-Methylphenol | ND | 0.33 | " | |
| Naphthalene | ND | 0.33 | " | |
| 2-Nitroaniline | ND | 0.33 | " | |
| 3-Nitroaniline | ND | 0.33 | " | |
| 4-Nitroaniline | ND | 0.33 | " | |
| Nitrobenzene | ND | 0.33 | " | |
| 2-Nitrophenol | ND | 0.33 | " | |
| 4-Nitrophenol | ND | 0.33 | " | |
| N-Nitrosodimethylamine | ND | 0.33 | " | |
| Diphenylamine | ND | 0.33 | " | |
| N-Nitrosodi-n-propylamine | ND | 0.33 | " | |
| Pentachlorophenol | ND | 0.33 | " | |
| Phenanthrene | ND | 0.33 | " | |
| Phenol | ND | 0.33 | " | |
| Pyrene | ND | 0.33 | " | |
| 1,2,4-Trichlorobenzene | ND | 0.33 | " | |
| 2,4,5-Trichlorophenol | ND | 0.33 | " | |
| 2,4,6-Trichlorophenol | ND | 0.33 | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| | | | | | | | | | | |

| LCS (B1G1603-BS1) | | | | Prepared: 0 | 7/15/21 A | nalyzed: 07 | 7/16/21 | | |
|---------------------------------|-------|-------------|-------------|-------------|-------------|-------------|---------|------|----|
| Acenaphthene | 0.843 | 0.33 | mg/kg | 1.00 | | 84.3 | 47-145 | | |
| 2-Chlorophenol | 2.07 | 0.33 | " | 2.00 | | 104 | 23-134 | | |
| 4-Chloro-3-methylphenol | 1.94 | 0.33 | " | 2.00 | | 96.8 | 22-147 | | |
| 1,4-Dichlorobenzene | 0.791 | 0.33 | " | 1.00 | | 79.1 | 20-124 | | |
| 2,4-Dinitrotoluene | 0.496 | 0.33 | " | 1.00 | | 49.6 | 39-139 | | |
| 4-Nitrophenol | 0.636 | 0.33 | " | 2.00 | | 31.8 | 0-132 | | |
| N-Nitrosodi-n-propylamine | 0.683 | 0.33 | " | 1.00 | | 68.3 | 0-230 | | |
| Pentachlorophenol | 0.446 | 0.33 | " | 2.00 | | 22.3 | 14-176 | | |
| Phenol | 1.73 | 0.33 | " | 2.00 | | 86.4 | 5-112 | | |
| Pyrene | 0.831 | 0.33 | " | 1.00 | | 83.1 | 52-115 | | |
| 1,2,4-Trichlorobenzene | 0.729 | 0.33 | " | 1.00 | | 72.9 | 44-142 | | |
| Matrix Spike (B1G1603-MS1) | - | | Prepared: 0 | 7/15/21 A | nalyzed: 07 | 7/16/21 | | | |
| Acenaphthene | 0.909 | 0.33 | mg/kg | 1.00 | ND | 90.9 | 47-145 | | |
| 2-Chlorophenol | 1.84 | 0.33 | " | 2.00 | ND | 91.8 | 23-134 | | |
| 4-Chloro-3-methylphenol | 1.65 | 0.33 | " | 2.00 | ND | 82.6 | 22-147 | | |
| 1,4-Dichlorobenzene | 0.894 | 0.33 | " | 1.00 | ND | 89.4 | 20-124 | | |
| 2,4-Dinitrotoluene | 0.537 | 0.33 | " | 1.00 | ND | 53.7 | 39-139 | | |
| 4-Nitrophenol | 0.655 | 0.33 | " | 2.00 | ND | 32.8 | 0-132 | | |
| N-Nitrosodi-n-propylamine | 0.881 | 0.33 | " | 1.00 | ND | 88.1 | 0-230 | | |
| Pentachlorophenol | 0.351 | 0.33 | " | 2.00 | ND | 17.6 | 14-176 | | |
| Phenol | 1.59 | 0.33 | " | 2.00 | ND | 79.5 | 5-112 | | |
| Pyrene | 0.953 | 0.33 | " | 1.00 | ND | 95.3 | 52-115 | | |
| 1,2,4-Trichlorobenzene | 0.820 | 0.33 | " | 1.00 | ND | 82.0 | 44-142 | | |
| Matrix Spike Dup (B1G1603-MSD1) | Sourc | e: 2107188- | 01 | Prepared: 0 | 7/15/21 A | nalyzed: 07 | 7/16/21 | | |
| Acenaphthene | 1.03 | 0.33 | mg/kg | 1.00 | ND | 103 | 47-145 | 12.8 | 30 |
| 2-Chlorophenol | 1.90 | 0.33 | " | 2.00 | ND | 95.0 | 23-134 | 3.37 | 30 |
| 4-Chloro-3-methylphenol | 1.90 | 0.33 | " | 2.00 | ND | 94.8 | 22-147 | 13.7 | 30 |
| 1,4-Dichlorobenzene | 0.981 | 0.33 | " | 1.00 | ND | 98.1 | 20-124 | 9.28 | 30 |
| 2,4-Dinitrotoluene | 0.527 | 0.33 | " | 1.00 | ND | 52.7 | 39-139 | 1.88 | 30 |
| 4-Nitrophenol | 0.642 | 0.33 | " | 2.00 | ND | 32.1 | 0-132 | 2.00 | 30 |
| N-Nitrosodi-n-propylamine | 0.938 | 0.33 | " | 1.00 | ND | 93.8 | 0-230 | 6.27 | 30 |
| Pentachlorophenol | 0.414 | 0.33 | | 2.00 | ND | 20.7 | 14-176 | 16.5 | 30 |
| Phenol | 1.84 | 0.33 | | 2.00 | ND | 92.1 | 5-112 | 14.7 | 30 |
| Pyrene | 0.846 | 0.33 | " | 1.00 | ND | 84.6 | 52-115 | 11.9 | 30 |
| 1,2,4-Trichlorobenzene | 0.708 | 0.33 | " | 1.00 | ND | 70.8 | 44-142 | 14.7 | 30 |



738 Ashland AvenueProject Number: [none]Reported:Santa Monica CA, 90405Project Manager: Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | | l |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|---|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes | l |

Batch B1G1916 - EPA 3550B Solid Ext

| Blank (B1G1916-BLK1) | | | | Prepared: 07/19/21 Analyzed: 07/20/21 |
|-----------------------------|----|------|-------|---------------------------------------|
| Acenaphthene | ND | 0.33 | mg/kg | |
| Acenaphthylene | ND | 0.33 | " | |
| Anthracene | ND | 0.33 | " | |
| Benzidine | ND | 0.33 | " | |
| Benzo (a) anthracene | ND | 0.33 | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | |
| Benzo (a) pyrene | ND | 0.33 | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | |
| Benzyl alcohol | ND | 0.33 | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | |
| 4-Chloroaniline | ND | 0.33 | " | |
| 2-Chlorophenol | ND | 0.33 | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | |
| Chrysene | ND | 0.33 | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | |
| Dibenzofuran | ND | 0.33 | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | |
| Diethyl phthalate | ND | 0.33 | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | |
| Dimethyl phthalate | ND | 0.33 | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | |
| 2,4-Dinitrotoluene | ND | 0.33 | " | |
| 2,6-Dinitrotoluene | ND | 0.33 | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | | l |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|---|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes | l |

Batch B1G1916 - EPA 3550B Solid Ext

| Blank (B1G1916-BLK1) | | | | Prepared: 07/19/21 Analyzed: 07/20/21 |
|---------------------------|----|------|-------|---------------------------------------|
| Di-n-octyl phthalate | ND | 0.33 | mg/kg | |
| 1,2-Diphenylhydrazine | ND | 0.33 | " | |
| Fluoranthene | ND | 0.33 | " | |
| Fluorene | ND | 0.33 | " | |
| Hexachlorobenzene | ND | 0.33 | " | |
| Hexachlorobutadiene | ND | 0.33 | " | |
| Hexachlorocyclopentadiene | ND | 0.33 | " | |
| Hexachloroethane | ND | 0.33 | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.33 | " | |
| Isophorone | ND | 0.33 | " | |
| 2-Methylnaphthalene | ND | 0.33 | " | |
| 2-Methylphenol | ND | 0.33 | " | |
| 4-Methylphenol | ND | 0.33 | " | |
| Naphthalene | ND | 0.33 | " | |
| 2-Nitroaniline | ND | 0.33 | " | |
| 3-Nitroaniline | ND | 0.33 | " | |
| 4-Nitroaniline | ND | 0.33 | " | |
| Nitrobenzene | ND | 0.33 | " | |
| 2-Nitrophenol | ND | 0.33 | " | |
| 4-Nitrophenol | ND | 0.33 | " | |
| N-Nitrosodimethylamine | ND | 0.33 | " | |
| Diphenylamine | ND | 0.33 | " | |
| N-Nitrosodi-n-propylamine | ND | 0.33 | " | |
| Pentachlorophenol | ND | 0.33 | " | |
| Phenanthrene | ND | 0.33 | " | |
| Phenol | ND | 0.33 | " | |
| Pyrene | ND | 0.33 | " | |
| 1,2,4-Trichlorobenzene | ND | 0.33 | " | |
| 2,4,5-Trichlorophenol | ND | 0.33 | " | |
| 2,4,6-Trichlorophenol | ND | 0.33 | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

$Semivolatile\ Organic\ Compounds\ by\ EPA\ Method\ 8270C\ -\ Quality\ Control$

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

Batch B1G1916 - EPA 3550B Solid Ext

| Blank (B1G1916-BLK2) | | | | Prepared: 07/19/21 Analyzed: 07/20/21 |
|-----------------------------|----|------|-------|---------------------------------------|
| Acenaphthene | ND | 0.33 | mg/kg | |
| Acenaphthylene | ND | 0.33 | " | |
| Anthracene | ND | 0.33 | " | |
| Benzidine | ND | 0.33 | " | |
| Benzo (a) anthracene | ND | 0.33 | " | |
| Benzo (b) fluoranthene | ND | 0.33 | " | |
| Benzo (k) fluoranthene | ND | 0.33 | " | |
| Benzo (a) pyrene | ND | 0.33 | " | |
| Benzo (g,h,i) perylene | ND | 0.33 | " | |
| Benzyl alcohol | ND | 0.33 | " | |
| Bis(2-chloroethyl)ether | ND | 0.33 | " | |
| Bis(2-chloroethoxy)methane | ND | 0.33 | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.33 | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.33 | " | |
| 4-Bromophenyl phenyl ether | ND | 0.33 | " | |
| Butyl benzyl phthalate | ND | 0.33 | " | |
| 4-Chloroaniline | ND | 0.33 | " | |
| 2-Chlorophenol | ND | 0.33 | " | |
| 4-Chloro-3-methylphenol | ND | 0.33 | " | |
| 2-Chloronaphthalene | ND | 0.33 | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.33 | " | |
| Chrysene | ND | 0.33 | " | |
| Dibenz (a,h) anthracene | ND | 0.33 | " | |
| Dibenzofuran | ND | 0.33 | " | |
| 1,3-Dichlorobenzene | ND | 0.33 | " | |
| 1,2-Dichlorobenzene | ND | 0.33 | " | |
| 1,4-Dichlorobenzene | ND | 0.33 | " | |
| 3,3'-Dichlorobenzidine | ND | 0.33 | " | |
| 2,4-Dichlorophenol | ND | 0.33 | " | |
| Diethyl phthalate | ND | 0.33 | " | |
| 2,4-Dimethylphenol | ND | 0.33 | " | |
| Dimethyl phthalate | ND | 0.33 | " | |
| Di-n-butyl phthalate | ND | 0.33 | " | |
| 2,4-Dinitrophenol | ND | 0.33 | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.33 | " | |
| 2,4-Dinitrotoluene | ND | 0.33 | " | |
| 2,6-Dinitrotoluene | ND | 0.33 | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

$Semivolatile\ Organic\ Compounds\ by\ EPA\ Method\ 8270C\ -\ Quality\ Control$

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | | l |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|---|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes | l |

Batch B1G1916 - EPA 3550B Solid Ext

| Blank (B1G1916-BLK2) | | | | Prepared: 07/19/21 Analyzed: 07/20/21 |
|---------------------------|----|------|-------|---------------------------------------|
| Di-n-octyl phthalate | ND | 0.33 | mg/kg | |
| 1,2-Diphenylhydrazine | ND | 0.33 | " | |
| Fluoranthene | ND | 0.33 | " | |
| Fluorene | ND | 0.33 | " | |
| Hexachlorobenzene | ND | 0.33 | " | |
| Hexachlorobutadiene | ND | 0.33 | " | |
| Hexachlorocyclopentadiene | ND | 0.33 | " | |
| Hexachloroethane | ND | 0.33 | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.33 | " | |
| Isophorone | ND | 0.33 | " | |
| 2-Methylnaphthalene | ND | 0.33 | " | |
| 2-Methylphenol | ND | 0.33 | " | |
| 4-Methylphenol | ND | 0.33 | " | |
| Naphthalene | ND | 0.33 | " | |
| 2-Nitroaniline | ND | 0.33 | " | |
| 3-Nitroaniline | ND | 0.33 | " | |
| 4-Nitroaniline | ND | 0.33 | " | |
| Nitrobenzene | ND | 0.33 | " | |
| 2-Nitrophenol | ND | 0.33 | " | |
| 4-Nitrophenol | ND | 0.33 | " | |
| N-Nitrosodimethylamine | ND | 0.33 | " | |
| Diphenylamine | ND | 0.33 | " | |
| N-Nitrosodi-n-propylamine | ND | 0.33 | " | |
| Pentachlorophenol | ND | 0.33 | " | |
| Phenanthrene | ND | 0.33 | " | |
| Phenol | ND | 0.33 | " | |
| Pyrene | ND | 0.33 | " | |
| 1,2,4-Trichlorobenzene | ND | 0.33 | " | |
| 2,4,5-Trichlorophenol | ND | 0.33 | " | |
| 2,4,6-Trichlorophenol | ND | 0.33 | " | |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

| LCS (B1G1916-BS1) | | | | Prepared: 0 | 7/19/21 A | nalyzed: 07 | 7/20/21 |
|----------------------------|--------|-------------|-------|-------------|-----------|-------------|---------|
| Acenaphthene | 0.848 | 0.33 | mg/kg | 1.00 | | 84.8 | 47-145 |
| 2-Chlorophenol | 1.85 | 0.33 | " | 2.00 | | 92.3 | 23-134 |
| 4-Chloro-3-methylphenol | 1.96 | 0.33 | " | 2.00 | | 98.2 | 22-147 |
| 1,4-Dichlorobenzene | 0.815 | 0.33 | " | 1.00 | | 81.5 | 20-124 |
| 2,4-Dinitrotoluene | 0.479 | 0.33 | " | 1.00 | | 47.9 | 39-139 |
| 4-Nitrophenol | 0.664 | 0.33 | " | 2.00 | | 33.2 | 0-132 |
| N-Nitrosodi-n-propylamine | 0.797 | 0.33 | " | 1.00 | | 79.7 | 0-230 |
| Pentachlorophenol | 0.379 | 0.33 | " | 2.00 | | 19.0 | 14-176 |
| Phenol | 1.78 | 0.33 | " | 2.00 | | 89.0 | 5-112 |
| Pyrene | 0.709 | 0.33 | " | 1.00 | | 70.9 | 52-115 |
| 1,2,4-Trichlorobenzene | 0.729 | 0.33 | " | 1.00 | | 72.9 | 44-142 |
| LCS (B1G1916-BS2) | | | | Prepared: 0 | 7/19/21 A | nalyzed: 07 | 7/20/21 |
| Acenaphthene | 0.844 | 0.33 | mg/kg | 1.00 | | 84.4 | 47-145 |
| 2-Chlorophenol | 1.81 | 0.33 | " | 2.00 | | 90.6 | 23-134 |
| 4-Chloro-3-methylphenol | 2.16 | 0.33 | " | 2.00 | | 108 | 22-147 |
| 1,4-Dichlorobenzene | 0.796 | 0.33 | " | 1.00 | | 79.6 | 20-124 |
| 2,4-Dinitrotoluene | 0.523 | 0.33 | " | 1.00 | | 52.3 | 39-139 |
| 4-Nitrophenol | 0.642 | 0.33 | " | 2.00 | | 32.1 | 0-132 |
| N-Nitrosodi-n-propylamine | 0.711 | 0.33 | " | 1.00 | | 71.1 | 0-230 |
| Pentachlorophenol | 0.351 | 0.33 | " | 2.00 | | 17.6 | 14-176 |
| Phenol | 1.65 | 0.33 | " | 2.00 | | 82.6 | 5-112 |
| Pyrene | 0.694 | 0.33 | " | 1.00 | | 69.4 | 52-115 |
| 1,2,4-Trichlorobenzene | 0.615 | 0.33 | " | 1.00 | | 61.5 | 44-142 |
| Matrix Spike (B1G1916-MS1) | Source | e: 2107188- | 19 | Prepared: 0 | 7/19/21 A | nalyzed: 07 | 7/20/21 |
| Acenaphthene | 0.919 | 0.33 | mg/kg | 1.00 | ND | 91.9 | 47-145 |
| 2-Chlorophenol | 1.82 | 0.33 | " | 2.00 | ND | 91.2 | 23-134 |
| 4-Chloro-3-methylphenol | 1.84 | 0.33 | " | 2.00 | ND | 91.9 | 22-147 |
| 1,4-Dichlorobenzene | 0.880 | 0.33 | " | 1.00 | ND | 88.0 | 20-124 |
| 2,4-Dinitrotoluene | 0.899 | 0.33 | " | 1.00 | ND | 89.9 | 39-139 |
| 4-Nitrophenol | 0.634 | 0.33 | " | 2.00 | ND | 31.7 | 0-132 |
| N-Nitrosodi-n-propylamine | 0.834 | 0.33 | " | 1.00 | ND | 83.4 | 0-230 |
| Pentachlorophenol | 0.413 | 0.33 | " | 2.00 | ND | 20.6 | 14-176 |
| Phenol | 1.68 | 0.33 | " | 2.00 | ND | 84.2 | 5-112 |
| Pyrene | 0.866 | 0.33 | " | 1.00 | ND | 86.6 | 52-115 |
| 1,2,4-Trichlorobenzene | 0.810 | 0.33 | " | 1.00 | ND | 81.0 | 44-142 |



738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

| Matrix Spike (B1G1916-MS2) | Sourc | e: 2107188- | 30 | Prepared: 0 | 7/19/21 | Analyzed: 07 | 7/20/21 | | | |
|---------------------------------|-------|-------------|-------|-------------|---------|--------------|---------|-------|----|--|
| Acenaphthene | 0.919 | 0.33 | mg/kg | 1.00 | ND | 91.9 | 47-145 | | | |
| 2-Chlorophenol | 1.82 | 0.33 | " | 2.00 | ND | 91.2 | 23-134 | | | |
| 4-Chloro-3-methylphenol | 1.84 | 0.33 | " | 2.00 | ND | 91.9 | 22-147 | | | |
| ,4-Dichlorobenzene | 0.880 | 0.33 | " | 1.00 | ND | 88.0 | 20-124 | | | |
| 2,4-Dinitrotoluene | 0.544 | 0.33 | " | 1.00 | ND | 54.4 | 39-139 | | | |
| 4-Nitrophenol | 0.634 | 0.33 | " | 2.00 | ND | 31.7 | 0-132 | | | |
| N-Nitrosodi-n-propylamine | 0.834 | 0.33 | " | 1.00 | ND | 83.4 | 0-230 | | | |
| Pentachlorophenol | 0.413 | 0.33 | " | 2.00 | ND | 20.6 | 14-176 | | | |
| Phenol | 1.68 | 0.33 | " | 2.00 | ND | 84.2 | 5-112 | | | |
| Pyrene | 0.866 | 0.33 | " | 1.00 | ND | 86.6 | 52-115 | | | |
| ,2,4-Trichlorobenzene | 0.810 | 0.33 | " | 1.00 | ND | 81.0 | 44-142 | | | |
| Matrix Spike Dup (B1G1916-MSD1) | Sourc | e: 2107188- | 19 | Prepared: 0 | 7/19/21 | Analyzed: 07 | 7/20/21 | | | |
| Acenaphthene | 0.968 | 0.33 | mg/kg | 1.00 | ND | 96.8 | 47-145 | 5.19 | 30 | |
| -Chlorophenol | 1.85 | 0.33 | " | 2.00 | ND | 92.3 | 23-134 | 1.25 | 30 | |
| -Chloro-3-methylphenol | 2.06 | 0.33 | " | 2.00 | ND | 103 | 22-147 | 11.2 | 30 | |
| ,4-Dichlorobenzene | 0.923 | 0.33 | " | 1.00 | ND | 92.3 | 20-124 | 4.77 | 30 | |
| ,4-Dinitrotoluene | 0.920 | 0.33 | " | 1.00 | ND | 92.0 | 39-139 | 2.31 | 30 | |
| -Nitrophenol | 0.629 | 0.33 | " | 2.00 | ND | 31.4 | 0-132 | 0.792 | 30 | |
| I-Nitrosodi-n-propylamine | 0.847 | 0.33 | " | 1.00 | ND | 84.7 | 0-230 | 1.55 | 30 | |
| entachlorophenol | 0.458 | 0.33 | " | 2.00 | ND | 22.9 | 14-176 | 10.3 | 30 | |
| henol | 1.67 | 0.33 | " | 2.00 | ND | 83.4 | 5-112 | 0.955 | 30 | |
| yrene | 0.995 | 0.33 | " | 1.00 | ND | 99.5 | 52-115 | 13.9 | 30 | |
| ,2,4-Trichlorobenzene | 0.710 | 0.33 | " | 1.00 | ND | 71.0 | 44-142 | 13.2 | 30 | |
| Matrix Spike Dup (B1G1916-MSD2) | Sourc | e: 2107188- | 30 | Prepared: 0 | 7/19/21 | Analyzed: 07 | 7/20/21 | | | |
| cenaphthene | 1.00 | 0.33 | mg/kg | 1.00 | ND | 100 | 47-145 | 8.44 | 30 | |
| -Chlorophenol | 1.92 | 0.33 | " | 2.00 | ND | 96.0 | 23-134 | 5.13 | 30 | |
| -Chloro-3-methylphenol | 1.99 | 0.33 | " | 2.00 | ND | 99.4 | 22-147 | 7.79 | 30 | |
| ,4-Dichlorobenzene | 0.920 | 0.33 | " | 1.00 | ND | 92.0 | 20-124 | 4.44 | 30 | |
| ,4-Dinitrotoluene | 0.594 | 0.33 | " | 1.00 | ND | 59.4 | 39-139 | 8.79 | 30 | |
| -Nitrophenol | 0.650 | 0.33 | " | 2.00 | ND | 32.5 | 0-132 | 2.49 | 30 | |
| I-Nitrosodi-n-propylamine | 0.899 | 0.33 | " | 1.00 | ND | 89.9 | 0-230 | 7.50 | 30 | |
| Pentachlorophenol | 0.489 | 0.33 | " | 2.00 | ND | 24.4 | 14-176 | 16.9 | 30 | |
| Phenol | 1.72 | 0.33 | " | 2.00 | ND | 86.2 | 5-112 | 2.35 | 30 | |
| yrene | 0.679 | 0.33 | " | 1.00 | ND | 67.9 | 52-115 | 24.2 | 30 | |
| 1,2,4-Trichlorobenzene | 0.723 | 0.33 | " | 1.00 | ND | 72.3 | 44-142 | 11.4 | 30 | |



Mearns Consulting LLCProject:Town Center Northwest738 Ashland AvenueProject Number:[none]Reported:Santa Monica CA, 90405Project Manager:Susan Mearns07/22/21 13:51

Notes and Definitions

S-07 Surrogate recovery outside of control limits due to coelution with high levels of petroleum hydrocarbons.

S-03 Surrogate diluted out.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

A

SIERRA ANALYTICAL

CHAIN OF CUSTODY RECORD

13 Date: 7 / 12 / 21

Page: 1 8 of 5

TEL: 949 • 348 • 9389

FAX: 949 • 348 • 9115

26052 Merit Circle • Suite 104 • Leonna Hills, CA • 92653

ah Work Order No.:

2001198

| | | o- cagai | in IIIIis, Cri | | lant Dualant ITA | | Client: MEARNS (ONSULTING CORP Client Project ID: | | | | | | | | | | | | | |
|-------------------------------------|--|--------------|-----------------------|----------|------------------|---------------------------------------|---|---|--------------------|------------|-----------|----------|---|-----------|-----------------------|-----------|------------|------------|--|--|
| Client Address: 738 ASHLAN | | | | | ient rroject LO: | • | | | Analyses Requested | | | | | | | | | | | |
| | | | | | | | | ئے ا | Ħ | | | | | j | | ļ | | | Geotracker EDD Info: | |
| SANTA MONICA (| CA 904 | 05 | | | | | | | | | | | (C) | Į | j | | | | | |
| TOWN CENTER NORTHWEST | | | | | | | | | | | i | | 5035B | • | | ł | | | | |
| | 24 Hour | غ ق ر | 1 | ا م | | | ~ | | | | | | Client LOGCODE | | | | | | | |
| Client Tel. No.: 310 403 | 921 | | | Tim | o Damaniado | Immediate | 72 Hour | A ACTA | 釒 | SOUTE | 8015B | 8015B | 82bo B | 827cx | | i | | | | |
| CP Prov. No. | ` | · | | | | Larbay | 5 Day | 1 | 3 | શ્ચિ | જી | 8 | ্ব | 78 | į | | | | | |
| Client Proj. Mgr.: SUSAN L | MEADAYS ! | (II) | | | 7 | 5 ~ ~ 1 | | | • | | _, | ۵ | 23 | - | | | | | Site Global ID | |
| Chent Proj. Mgr.: 20444 2 5 | VID (1-12) | 117 <i>V</i> | | | | Normal | Mobile | - 11 | , i | C4.C12 | C13. C12 | Сho | | 3 | | | | | | |
| CN + C 1 - VD | Sierra | _ | A 71 | | | Containe | r No. of | - \ • F | 4 | <u>ن</u> | 3. (| (a) | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | SVOG | ļ | | | i i | | |
| Client Sample ID. | No. | Pate | Time | Matrix | Preservative | Type | Container | * | - 3 | 5 | Ü | 5 | ⋽ | S | ļ | l | | | Field Point Names / Comments | |
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| 5V610 | 02 | 1 | 6744 | 1 | | | j | × | X | × | X | χ | X | X | | | | | | |
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| The cart | 700g | 1 | Shipped Vis: | AND PELI | VERED | | | | - | | | Total | Numb | er of (| Containe | rs Subi | nitted to | , | Sample Disposal: | |
| "SHEAR LANGARANG PHD "SC | av:a" <u> </u> | isan | (Carrior/Weybill No.) | | <u> </u> | | | | Laboratory | | | | | | | | | | Return to Client | |
| Refisquished By: Al Fay | an | Zlist | Z Decirco Br. | 12 | -1 | | 7/13/2 | The | - | _ | | | | | of custody | | | | Lab Disposal - | |
| 777 | | 120 | 7 | 52 2m | ~ | | 170 | Cos | ıditləns, ı | ales of | nerwise : | agreed (| Hon (a) л | <u> </u> | | | | | | |
| Company: | ·-··· | me e | Соворнану: | | <u> </u> | · · · · · · · · · · · · · · · · · · · | Time: 7 70 | - | Samples | determi | red to be | hazard | ous by S | IERRA | wW bo retu | rned to t | CLIENT. | | | |
| Relateuished By. | | Date: | Received By: | | | | Date: | | | | | Tota | l Num | ber of | Contain | ers Re | eived b | у | Other | |
| Companys | | Time: | Сопірвиу. | | | | Time: | | | | | | ratory | | | | | | | |
| | ······································ | | | | | | Date: | FOR | i Alien | TORY U | 9R OXL | Y Bray | ls fleedy | rt Coadji | lòns; Chilici - Te | | | o | | |
| Relanguaghed By: Date: Received By: | | | | | | | | 2.600,000 | * C \ A ^ . | Frank 65.5 | | | | | Chilled - Te | np (°C) | . | 2 | | |
| Company: Trite: Company: | | | | | | | | _ _ | Sample | Séels | | | | ta i | Preservative | - Yerif | a1 87 . (| V | Z | |
| Special Instructions: | | | | | | | | | Properi | | | | | Д, | | | | | | |
| | | | | | | | | - 15 A | Properi | y Labello | | | | | Other | | ترسم ويهد | | | |
| | | | | | | | | = | Approp | rinte San | ple Con | arret | | D | Storage Loca | tion (| 25 | By | : 50a\ | |
| ¥ev: 129321 | | | | | | | | R-/T | 0,450 | 228/02 | 11899 () | -000 | <u> </u> | . Y Y. | DISTRIBUTE | N White | Yo Acommun | Samples Ye | place - Laborator: Corv. Polit - Picki Personnel Corv. | |

CHAIN OF CUSTODY RECORD

TEL: 949 • 348 • 9389

FAX: 949 • 348 • 9115

Date: 7 / 13 / 21 Page: 2 of 5

Lab Work Order No.: 2107199 26052 Merit Circle • Suite 104 • Laguna Hills, CA • 92653 CHEAR CONSULTING COPP Client Project ID: Analyses Requested Client Address: 738 ASHLAND AVE Geotracker EDD Info: STIMAL MONICA CA 96405 925g TOWN CONTER NORTHWEST Client LOGCODE Immediate 24 Hour 4 9 Client Tel. No.: 310 403 1921 Time Roquested: 8015 48 Hour 72 Hour Client Fax. No.: 4 Day Day 5 Day Site Global ID Client Proj. Mgr.: ☐ Mobile Normal Cq. Cl2 No. of Container Sierra Client Sample 1D. Date Time Preservative Matrix Containers Field Point Names / No. Type Comments Acetate Guv 146 Х SV9.10 501L X 6972 7-13-21 VOA VIACE PRSRAI SV9-15 12 X 0924 х ß X SV10.5 0932 SVID . 10 0936 X, SV10-15 15 X х 0952 SVII-5 1016 Х SVII-10 T 1020 5111-15 W) 1026 X SV12.5 × 1049 SV12-10 1058 Shippoul Vas: HEXILD DELIVERED Total Number of Containers Submitted to Sample Disposal: Laboratory Return to Client (Carrier/Waybill No.) The delivery of samples and the signature on this chain of curtody form constitutes 7/13/21 Lab Disposal * authorization to perform the analyses specified above under SIRRA's Terms and Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT. 515 rens 1707 * - Samples determined to be hazardoos by SIERRA will be returned to CLIENT. 3 Total Number of Containers Received by Relinquished H Laboratory FOR LANGUATORY USE ONLY - Sample Receipt Combinate: 0 Relinquished By Treservatives - Vended By (TO Sample Seals Special Instructions: Rev: 120321

CHAIN OF CUSTODY RECORD

TEL: 949 • 348 • 9389 FAX: 949 • 348 • 9115 Date: 4/13/21 Page: 3 of 5

| 26052 Merit Circl | Lab Work Order No.: 2107188 | | | | | | | | | | <u> </u> | | | | | | | | |
|------------------------------|-----------------------------|-----------|-----------------------|-------------|--|-------------|--|----------|--------------------|-------------------------------|----------|-------------------------|---------------|-------------------------|-------------|-------------|-------------|-------------------------|--|
| Client: MEARAS CONSULTING | Coop | | | CL | ient Project ID; | | | | | | | naly | ses I | Reque | sted | • | | | |
| Client Address: 738 ASHLAN | | JE. | | | | | | | | | | | | | | | Ţ | | Geotracker EDD lufo: |
| SANTA MONICA | | 0405 | ······ | | | | | \$ | | Ì | | | | | | | | | Geografic EDD 1810. |
| | | 0402 | | | Town (and | es Nobr | ZHUGGT | 1 | j | | | | 2 | | | | | | |
| | | | | | Town Contract Northwest \$ | | | | | | | -C | Sorts | | | | | | Client LOGCODE |
| Client Tel. No.: 310 403 192 | | | | | - lan pa | | | | | | | 8015B | $\overline{}$ | J | | | | | |
| | | | | | | | 72 Hour | 3 | | 8015 B | Sois B | \$€ | 8260 B | 82700 | | | | | |
| Client Fag. No.: | 115.4 | S PHD | | | | <u> </u> | 5 Day | 1 | | ૐ | | | 275 | 82 | | | | | |
| Client Proj. Mgr.: SUGAN L | MEARN | is thu | | | X | Normal) | Mobile | METALS | | =4 | 72)· (A) | \$ | - 1 | | | | | | Site Global ID |
| Client Famula ID | Sierra | D-4- | 707 | 3.5 | | Container | No. of | #15 | (A ⁺ A) | 442 | ې | 4 | 200 | 3 | | | | | |
| Client Sample ID. | No. | Date | Time | Matrix | Preservative | Туре | Containers | ₩ | 2 | 2 | څ | 3 | > | 57064 | | | | | Field Point Names / Comments |
| SV12-15 | 21 | 7-13-21 | 1107 | 501L | PRSRV | VOD VIA | 50 /4 | Х | X | X | X | X | X | Х | | | | | |
| SV13.5 | 22, | | 1126 | 1 | 1 | | 1 | X | Х | Х | 乂 | Х | X | X | | | | | |
| SV13-10 | 23 | | 1131 | | | | | X | χ | X | X | X | X | X | | | <u> </u> | | |
| SV13 · 15 | 24 | | 1138 | | | | | Х | χ | × | × | X | X | X | | | <u> </u> | | |
| 514.5 | 25 | | 1249 | | | | | X | X | x | х | X | X | × | | - | | | |
| SV14-lo | 26 | | 1254 | | | | | X | Χ | X | 文 | × | X | X | | • | + | - | |
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| (A) SHA SN(5.5 | 28 | | 1319 | | | | | х | Х | Х | X | | X | X | _ | +- | | | |
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| All ratte | 100 | <u> </u> | Sluipped Via: | and deli | | | .] | | | l. | | ~ | • | | | | | | |
| GKAN LAMBARNE, HD SC | *1 | aget (1) | | and hely | VEKED | | | - | | | | Labora | | er of Co | ontainei | rs Subm | ntted to | , | Sample Disposal: |
| | | 2/3/2 | (Carrier/Waybill No.) | 12 | | | 7/13/24 | | | | | - | | is chain o | | | | | Return to Client |
| Retinguished By: | in (| 77/27 | Received By: | <i></i> | | | | | | | | | | above un rriting het | | | | . | Lab Disposal * |
| Company: | ···· | Tine: [U] | Сопаралу: | ي برحم | rus | | Time: 1707 | * · Si | amples é | letermin | rd to be | bazardo | ns by S | IERRA W | UI be retu | rued to C | LIENT. | | Archive mos. |
| Refinquiated fly: | | Dare: | Received By: | | | | Dane. | | | | | Total | Numi | ber of C | Contain | ers Rece | eived b | y | Other |
| | | Time, | | | | | | 1 | | | | Labor | | | | | | | |
| Continuory: | | 1 13/106 | Сопрыу: | | | | Tone: | FOR L | APATRA' | YORY US | E ONLY | - Sample | Receip | Condition | | NW. | 25,230 | | |
| Relinquished By: | | Date: | Received By: | | | | Date: | 13 | lmset | | | | | ₽T ca | illed - Ter | ¤ар (°°С) | روح | turijanisini) jenga san | · · |
| Совърыну | | Time: | Соправу: | | | | Tope; | J 🗖 . | Sample (| ionis | | \$ 3. | | <u>ک</u> ۔۔ | exervatives | -Verifice | 6 | > | |
| Special Instructions: | | | | | | <u> </u> | | 179 A.K. | 5.5 | | | | | | | | | | |
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| | | | | | | | | ্র প্র | Appropr | ate Some | te Cost | urosex | | | enge Loca | | 45 · | -6- | esod. |
| lev: F2032 L | | | | | | | | 10050 | Cale Bur | 3.0.0 | 41.32 | 7. | <u> </u> | 1.00 | DESTRUCTO | ON: White-T | о Алексения | Sarphes, Vall | pp - 1 glamatory Copy, Pink - Field Personnel Copy |

CHAIN OF CUSTODY RECORD

| Date: | ב | , | 13 | į | 21 | |
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| Date: | 7 | | ., | • | -1 | |

TEL: 949 • 348 • 9389 FAX: 949 • 348 • 9115

| 6052 Merit Circle | Suite 104 | · Laguna Hills, | CA • 92653 |
|-------------------|-------------------------------|-----------------|------------|
| | | | |

Lah Work Order No.: 21071098

| Client: MEARN'S CONSULTI | Analyses Requested | | | | | | | | | | | | | | | | | | |
|--------------------------------|--------------------|----------------|-----------------------|-------------|-----------------|-------------------------|----------------------|--------|-------------------|----------|----------|----------------|--------------|----------------|-----------------------------|----------|--------------|-------------|---|
| Client Address: 738 ASHLAN | D AVE | | | | ent Project 1D: | | | 4000 | | | | | | | | | | | Geotracker EDD Info: |
| SANTA MONKA | | 10405 | | | | _1 | | · ` \ | | | | | 40 | | | | | | |
| Town GNTEP NORTHWES | | | | | | | | | | | | | 50358 | | | | | | |
| | Immediate | 24 Hour | paso, | | ~ | 22 | В | 5 | | | | | | Client LOGCODE | | | | | |
| Client Tel. No.: 310 463 1921 | 72 Hour | WETALS | | 8015B | Solf B | 5199 | ď | 1270C | | | | | | | | | | | |
| Client Fax. No.: | 1 | -0- | | | | | ☐ 5 Day | | | \$ | 8 | | \$260 B | 25 | | | | | |
| Client Proj. Mgr.: SUGAN | MEARNS | KHD | | L | - K | Normal) | Mobile | | | 7 | (12 | 3 | •∞ | _ | | | | | Site Global ID |
| Client Sample 1D. | Sierra No. | Date | Time | Matrix | Preservative | Container Type | No. of Containers | 12 | ₹ 3 | C+Ω7 | (4)· (| (13 · (| ź | 5/10/2 | | | | | Field Point Names / Comments |
| SV16-5 | 3(| 7-13-21 | 1354 | 501L | PERV | ACCIDITE S VOA VIAIS | 1/4 | X | X | X | X | Х | X | X | | | | | Company |
| 546.60 | 32 | 1 | 1357 |] | | 1 | 1 | X | × | X | λ | X | X | 入 入 | | | | | |
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| SVI7-5 | 34 | | 1444 | | | | | X | × | X | X | × | X | X | | | | | |
| SV17-lo | 3 50 | | 1448 | | | | | X | X | Χ | X | Х | X | X | ĺ | | | | |
| 5417-15 | 36 | | 1453 | | | | | X | X | χ | × | × | X | X | | | | | |
| SV18-5 | 31 | | 1519 | | | | | Х | X | X | × | Х | X | X | | | | | |
| SV18/10 | 38 | | 1525 | | | | | Χ | × | X | X | × | X | Х | | | | | |
| SV18/15 | 34 | | 1529 | | | | | χ | ĸ | Υ | \times | × | × | X | | | | | |
| SV19-5 | 40 | | 1549 | V | V | 4 | V | χ | x | × | Χ | X | Y | X | | | | | |
| | 7) A) | · · | Shipped Via: | D DELIV | GHFD | | | | | | | | | er of | Containe | rs Sub | mitted to | , [| Sample Disposat: |
| LOUSAN O MEDONS PUD 30 | I Fa | 6911. | (Carrier/Waybill No.) | | | | | | | | | Labor | • | | | | | | Return to Client |
| Relinquisted BX QUI - Tage | m | <i>II</i> 3/2 | Received By: | 40 | <u> </u> | | 7/13/21 | nuther | ization (| o perío | rm the r | ınalyses | specifie | i above | a of curtody under SIER | RA's Te | erma and | l | Lab Disposal • |
| Сопрвау: | | #7 <i>0</i> 7 | Сопераку: | 1500 | and | | Time: 1707 | | | | | _ | • | _ | between SEE will be reti | | | . | Archive mos. |
| 3 Refraqueshed Dy: | | Date: | Received By: | | | | Dete; | | | | | Tota | l Num | ber of | f Contain | ers Re | ceived b | γ | Other |
| Соправу: | | Трпи: | Соптравну: | | | | Tires: | | | | | Labo | ratory | , | | - 1 | | | |
| A Rebisquished fly: | | Date: | Received By: | • | | | | FORT | BONA) | ORY U | SE ON! | У - Басар | la Receip | d Consti | fees: Chilled , Te | | ς, | 0 | |
| | | | | | | | Dute: | | nuses Sample f | | | | | | Project stive | ew Vi | 7. | - N | |
| Company: Special Instructions: | ! | Time: | Company: | | | | Tinje | | | | | | | . C | 7" - Part 199 . 1" | ******** | led By . V | | <i></i> |
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| | | | | | | | | | Чуресург) | ate Saxe | pie Con | laine¢ | | ď | Storage Loc | alion | | | |
| Rw. 120321 | | | | | | | | H DAM | 1/20/1-3 | | <u></u> | <u>. 75.95</u> | (1 to \$1 or | - 3,7457 | | | To Accompany | Samples, Yo | llow - Laboretury Copy, Pink - Field Personnel Copy |

CHAIN OF CUSTODY RECORD

TEL: 949 • 348 • 9389 FAX: 949 • 348 • 9115

Date: 7 / 13 / 21 Page: 5 of 5

| 26052 Merit Circle • Suite 104 • Laguna Hills, CA • 92653 | | | | | | | | | | | | Lab Work Order No.: | | | | | | | | | | | |
|---|----------------------------------|--------------|-----------------------|-------------|---------------------------------------|----------------------|------------|---|-----------------|------------|-----------|---------------------------------------|--------------|-------------------------|------------------|-----------------------------|------------------|--------------|---------------|--|--|--|--|
| Client: MEARNS CONSULTIN | h Copp |) | | Cli | ent Project ID: | | | Analyses Requested | | | | | | | | | | | | | | | |
| Client Address: 738 ASH | IAND | Ave | | | • | | | \ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \ | 3 | | T | | | | | | | | | Control PDD Inte | | | |
| SANTA MON | | | .60- | | | | | 100 | 4 | | | | | | | | | | | Geotracker EDD Info: | | | |
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| | | | | | | 8 | } | | | | 5035 | | | İ | | | | | | | | | |
| | | | | | | Immediate C | 24 Hour | 1 ł | 1 | 80 | 8 | ďΩ | | O | | - 1 | | 1 | | Client LOGCODE | | | |
| Client Tel. No.: 310 403 16 | 21 | | | Time | Requested: | 48 Hour | ☐ 72 Hour | Merrans | | 8065.8 | BOIS B | 8015B | SULOB, | 52700 | - 1 | | | | | | | | |
| Client Fax. No.: | | | 4 Day 5 Day | | | | | | | 100 | | 8 | 8 | 8 | | İ | 1 | | | | | | |
| Client Proj. Mgr.; WAN L | <i>learns</i> | PUD | Normal Mobile | | | | | | | 61 | લ | उ | 62 | | | | | | | Site Global ID | | | |
| | 228 BROK | - F1 | | | | (Normal C | | ' | 1 | C4-C12 | C13 · C22 | 9 | | | | l | | | | | | | |
| Client Sample ID, | Sierra | Date | Time | Matrix | Preservative | Container | No. of |] ₺ | \$ | 1+ | 5 | F | 3 | 8 | 1 | | ļ | • | | | | | |
| | No. | | | | | Type | Containers | 1 | 2 | 10 | J | $^{\circ}$ | 1 000 | 2002 | | | | l | | Field Point Nomes / Comments | | | |
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| 2014-13 | | | 1777 | | · · · · · · · · · · · · · · · · · · · | | ļ | 1 | X | - | | | | $\stackrel{\frown}{-}$ | - | | | | | | | | |
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| 1911 | 1 | -3 | 1[. | | | | <u> </u> | | | J | | — | | | | | <u>i</u> | | | | | | |
| Sampler Startury! | 100 | TV . | Shipped Via: | MD DE | MAEDED | | | 1 | | | | | | er of C | ontair | ners Si | ubmit | ted to | | Sample Disposal: | | | |
| MEARNS 14D S | CONTE | 79911 | (Carrier/Waybill No.) | | | | | | | | İ | Labora | atory | | | | | | - la | Return to Client | | | |
| 2 X STATE | | A 112/2 | , | 4 | | | 7/13/4 | | | | | | | hla chain | | | | | 1. | _ | | | |
| Reliniqueshed Biss | W (| Vac / / | Received By: | <i>(</i> | <u> </u> | | | - | | | | | - | l above u vriting be | | | | | - 1' | Lob Disposal * | | | |
| Company: | | <u> 1707</u> | Сотрыну: | س کسر | ~~ <u></u> | | Time 1707 | | | | | | | TERRA Y | | | | | | Archive mos. | | | |
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| | | | | | | | Date. | | | 1.00 | | | | | •, 1920 + | · Hear Alb 1 _e (| المندر (م ا | ·υ | | | | | |
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| | | | | | | | | | | | | | | 7 | ioer | | | | | | | | |
| | | | | | | | | 4 | Аругор | rieuc Sam | ple Cont | MIEX. | | Z. | orago L | ocation | P | 5- | 34 | کیمو | | | |
| n: 120321 | | | | | | ·· -· | | Landinii | 85.4.4 <u>.</u> | ********** | | · · · · · · · · · · · · · · · · · · · | :81,316: | - 300 PAS | INSTRUM | UTION W | hila - To A | PORCEAU S | erolm, Yelfor | y - Laboratory Comy, Pink - Pink Personnel Com | | | |

APPENDIX B

Sierra Analytical Labs Background Soil Matrix Data April 4, 2005 and July 6, 2021



Mearns Consulting Corporation 738 Ashland Avenue

Santa Monica CA, 90405

Project: City of Signal Hill

Project Number: Las Brisas
Project Manager: Susan Mearns

Reported: 04/12/05 14:01

Metals by EPA 6000/7000 Series Methods Sierra Analytical Labs, Inc.

| | | Dici i a Ai | | | | | | | |
|-----------------------------|-------------------------|--------------------|-------------------|----------|---------|----------|----------|-----------|-------|
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Offsite-1 (0504072-33) Soil | Sampled: 04/04/05 13:20 | Received: 04 | <u>4/04/05</u> 14 | l:15 | | | | | |
| Silver | ND | 0.80 | mg/kg | 1 | B5D0709 | 04/07/05 | 04/11/05 | EPA 6010B | |
| Arsenic | 5.2 | 1.7 | " | " | " | " | " | " | |
| Barium | 97 | 3.3 | " | " | " | " | " | " | |
| Beryllium | ND | 0.75 | " | " | " | " | " | " | |
| Cadmium | ND | 0.51 | " | " | " | " | " | " | |
| Cobalt | 8.1 | 2.2 | " | " | " | " | " | " | |
| Chromium | 21 | 0.98 | " | " | " | " | " | " | |
| Copper | 25 | 2.2 | " | " | " | " | " | " | |
| Mercury | ND | 0.16 | " | " | B5D0711 | 04/07/05 | 04/08/05 | EPA 7471A | |
| Molybdenum | ND | 1.7 | " | " | B5D0709 | 04/07/05 | 04/11/05 | EPA 6010B | |
| Nickel | 12 | 0.79 | " | " | " | " | " | " | |
| Lead | 12 | 1.3 | " | " | " | " | " | " | |
| Antimony | ND | 1.6 | " | " | " | " | " | " | |
| Selenium | ND | 1.9 | " | " | " | " | " | " | |
| Thallium | ND | 1.5 | " | " | " | " | " | " | |
| Vanadium | 35 | 0.73 | " | " | " | " | " | " | |
| Zinc | 62 | 1.3 | " | " | " | " | " | " | |
| Offsite-5 (0504072-34) Soil | Sampled: 04/04/05 13:25 | Received: 04 | 4/04/05 14 | l:15 | | | | | |
| Silver | ND | 0.80 | mg/kg | 1 | B5D0709 | 04/07/05 | 04/11/05 | EPA 6010B | |
| Arsenic | 12 | 1.7 | " | " | " | " | " | " | |
| Barium | 160 | 3.3 | " | " | " | " | " | " | |
| Beryllium | 1.1 | 0.75 | " | " | " | " | " | " | |
| Cadmium | ND | 0.51 | " | " | " | " | " | " | |
| Cobalt | 17 | 2.2 | " | " | " | " | " | " | |
| Chromium | 50 | 0.98 | " | " | " | " | " | " | |
| Copper | 64 | 2.2 | " | " | " | " | " | " | |
| Mercury | ND | 0.18 | " | " | B5D0711 | 04/07/05 | 04/08/05 | EPA 7471A | |
| Molybdenum | ND | 1.7 | " | " | B5D0709 | 04/07/05 | 04/11/05 | EPA 6010B | |
| Nickel | 30 | 0.79 | " | " | " | " | " | " | |
| Lead | 8.1 | 1.3 | " | " | " | " | " | " | |
| Antimony | 2.3 | 1.6 | " | " | " | " | " | " | |
| Selenium | ND | 1.9 | " | " | " | " | " | " | |
| Thallium | ND | 1.5 | " | " | " | " | " | " | |
| Vanadium | 75 | 0.73 | " | " | " | " | " | " | |
| Zinc | 99 | 1.3 | " | " | " | " | " | " | |
| | | | | | | | | | |



Mearns Consulting Corporation

Project: City of Signal Hill

738 Ashland Avenue Project Number: Las Brisas
Santa Monica CA, 90405 Project Manager: Susan Mearns

Reported: 04/12/05 14:01

Metals by EPA 6000/7000 Series Methods Sierra Analytical Labs, Inc.

| Silver | | | Dici i a Ai | | | | | | | |
|--|------------------------------|-------------------------|-------------|------------|----------|---------|----------|----------|-----------|-------|
| ND | Analyte | Result | | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Arsenic 12 | Offsite-10 (0504072-35) Soil | Sampled: 04/04/05 13:29 | Received: | 04/04/05 1 | 14:15 | | | | | |
| Barium | Silver | ND | 0.80 | mg/kg | 1 | B5D0709 | 04/07/05 | 04/11/05 | EPA 6010B | |
| Beryllium | Arsenic | 12 | | " | " | " | " | " | " | |
| Cadmium ND 0.51 " <th< td=""><td>Barium</td><th>170</th><td>3.3</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td></td></th<> | Barium | 170 | 3.3 | " | " | " | " | " | " | |
| Cobalt 14 2.2 " | Beryllium | ND | 0.75 | " | " | " | " | " | " | |
| Chromium 32 0.98 " <t< td=""><td>Cadmium</td><th>ND</th><td>0.51</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td></td></t<> | Cadmium | ND | 0.51 | " | " | " | " | " | " | |
| Copper 35 2.2 " | Cobalt | 14 | 2.2 | " | " | " | " | " | " | |
| Mercury ND 0.18 " B5D0711 04/07/05 04/08/05 EPA 7471A Molybdenum ND 1.7 " B5D0709 04/07/05 04/07/05 04/11/05 EPA 6010B Nickel 22 0.79 " | Chromium | 32 | 0.98 | " | " | " | " | " | " | |
| Molybdenum | Copper | 35 | 2.2 | " | " | " | " | " | " | |
| Nickel 22 0.79 " | Mercury | ND | 0.18 | " | " | B5D0711 | 04/07/05 | 04/08/05 | EPA 7471A | |
| Cade | Molybdenum | ND | 1.7 | " | " | B5D0709 | 04/07/05 | 04/11/05 | EPA 6010B | |
| Antimony ND 1.6 " " " " " " " " " " " " Thallium ND 1.9 " " " " " " " " " " " " " " " " " " " | Nickel | 22 | 0.79 | " | " | " | " | " | " | |
| ND | Lead | 5.6 | 1.3 | " | " | " | " | " | " | |
| ND | Antimony | ND | 1.6 | " | " | " | " | " | " | |
| Thailium | Selenium | ND | 1.9 | " | " | " | " | " | " | |
| Zinc 67 1.3 " </td <td>Thallium</td> <th>ND</th> <td>1.5</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td> | Thallium | ND | 1.5 | " | " | " | " | " | " | |
| ND 0.80 mg/kg 1 B5D0709 04/07/05 04/11/05 EPA 6010B | Vanadium | 58 | 0.73 | " | " | " | " | " | " | |
| ND | Zinc | 67 | 1.3 | " | " | " | " | " | " | |
| Arsenic 14 1.7 " " " " " " " " " " " " " " " " " " " | Offsite-20 (0504072-36) Soil | Sampled: 04/04/05 13:36 | Received: | 04/04/05 1 | 14:15 | | | | | |
| Arsenic 14 1.7 " " " " " " " " " " " " " " " " " " " | Silver | ND | 0.80 | mg/kg | 1 | B5D0709 | 04/07/05 | 04/11/05 | EPA 6010B | |
| Barium 73 3.3 """""""""""""""""""""""""""""""""""" | Arsenic | 14 | | | " | " | " | | " | |
| Beryllium 0.95 0.75 " " " " " " " " " " " " " " " " " " " | Barium | 73 | 3.3 | " | " | " | " | " | " | |
| Cobalt 17 2.2 " " " " " " " " " " " " " " " " " " " | Beryllium | 0.95 | | " | " | " | " | " | " | |
| Chromium 35 0.98 " " " " " " " " " " " " " " " " " " " | Cadmium | ND | 0.51 | " | " | " | " | " | " | |
| Copper 80 2.2 " " " " " " " " " " " " " " " " " " " | Cobalt | 17 | 2.2 | " | " | " | " | " | " | |
| Mercury ND 0.15 " B5D0711 04/07/05 04/08/05 EPA 7471A Molybdenum ND 1.7 " B5D0709 04/07/05 04/11/05 EPA 6010B Nickel 22 0.79 " <t< td=""><td>Chromium</td><th>35</th><td>0.98</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td></td></t<> | Chromium | 35 | 0.98 | " | " | " | " | " | " | |
| Mercury ND 0.15 " B5D0711 04/07/05 04/08/05 EPA 7471A Molybdenum ND 1.7 " B5D0709 04/07/05 04/11/05 EPA 6010B Nickel 22 0.79 " <t< td=""><td>Copper</td><th>80</th><td>2.2</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td></td></t<> | Copper | 80 | 2.2 | " | " | " | " | " | " | |
| Nickel 22 0.79 " | Mercury | ND | 0.15 | " | " | B5D0711 | 04/07/05 | 04/08/05 | EPA 7471A | |
| Nickel 22 0.79 " | Molybdenum | ND | 1.7 | " | " | B5D0709 | 04/07/05 | 04/11/05 | EPA 6010B | |
| Lead 10 1.3 " </td <td>Nickel</td> <th></th> <td></td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td>"</td> <td></td> | Nickel | | | " | " | " | " | " | " | |
| Antimony ND 1.6 " " " " " " " " " " " " " " " " " " " | Lead | | | " | " | " | " | " | " | |
| Selenium ND 1.9 " <th< td=""><td>Antimony</td><th></th><td></td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td>"</td><td></td></th<> | Antimony | | | " | " | " | " | " | " | |
| Thallium ND 1.5 " " " " " " " " " " " Vanadium 67 0.73 " " " " " " " " " " " " " " " " " " " | Selenium | | | " | " | " | " | " | " | |
| | Thallium | | 1.5 | " | " | " | " | " | " | |
| | Vanadium | 67 | 0.73 | " | " | " | " | " | " | |
| | Zinc | | 1.3 | " | " | " | " | " | " | |



13 July 2021

Susan Mearns Mearns Consulting LLC 738 Ashland Avenue Santa Monica, CA 90405

RE:1905 E 21st St. - Spud Field Work Order No.: 2107058

Attached are the results of the analyses for samples received by the laboratory on 07/06/21 14:35.

The samples were received by Sierra Analytical Labs, Inc. with a chain of custody record attached or completed at the submittal of the samples.

The analyses were performed according to the prescribed method as outlined by EPA, Standard Methods, and A.S.T.M.

The remaining portions of the samples will be disposed of within 30 days from the date of this report. If you require any additional retaining time, please advise us.

Sincerely,

Richard K. Forsyth

Laboratory Director

Sierra Analytical Labs, Inc. is certified by the California Department of Health Services (DOHS), Environmental Laboratory Accredidation Program (ELAP) No. 2320.



Project: 1905 E 21st St. - Spud Field

Project Number: [none]
Project Manager: Susan Mearns

Reported: 07/13/21 12:23

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| SB1-5 | 2107058-01 | Soil | 07/06/21 07:40 | 07/06/21 14:35 |
| SB2-5 | 2107058-02 | Soil | 07/06/21 07:51 | 07/06/21 14:35 |
| SB3-5 | 2107058-03 | Soil | 07/06/21 08:01 | 07/06/21 14:35 |
| SB4-5 | 2107058-04 | Soil | 07/06/21 08:08 | 07/06/21 14:35 |
| SB5-5 | 2107058-05 | Soil | 07/06/21 08:16 | 07/06/21 14:35 |
| SB6-5 | 2107058-06 | Soil | 07/06/21 08:23 | 07/06/21 14:35 |
| SB7-5 | 2107058-07 | Soil | 07/06/21 08:31 | 07/06/21 14:35 |
| SB8-5 | 2107058-08 | Soil | 07/06/21 08:38 | 07/06/21 14:35 |
| SB9-5 | 2107058-09 | Soil | 07/06/21 08:47 | 07/06/21 14:35 |
| SB10-5 | 2107058-10 | Soil | 07/06/21 08:58 | 07/06/21 14:35 |
| SB11-5 | 2107058-11 | Soil | 07/06/21 09:10 | 07/06/21 14:35 |



Project: 1905 E 21st St. - Spud Field

Project Number: [none]
Project Manager: Susan Mearns

Reported: 07/13/21 12:23

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| | D14 | Reporting | T.T:4- | Diletie | Detal | D 1 | A 1 d | Mada d | NT / |
|-------------------------|--|--|----------------|---|---|---|--|------------------------|---|
| | Kesult | Lımit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| Sampled: 07/06/21 07:40 | Received: 0 | 7/06/21 14:3 | 5 | | | | | | |
| | ND | 2.0 | mg/kg | 1 | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| | ND | 5.5 | " | " | " | " | " | " | |
| | 84 | 6.0 | " | " | " | " | " | " | |
| | ND | 2.2 | " | " | " | " | " | " | |
| | ND | 2.5 | " | " | " | " | " | " | |
| | 11 | 3.3 | " | " | " | " | " | " | |
| | 36 | 2.3 | " | " | " | " | " | " | |
| | ND | 0.10 | " | " | B1G0711 | 07/07/21 | 07/09/21 12:47 | EPA 7199A | |
| | 40 | 5.0 | " | " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| | ND | 0.90 | " | " | B1G0613 | 07/06/21 | 07/06/21 20:35 | EPA 7471A | |
| | ND | 5.2 | " | " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| | 21 | 3.0 | " | " | " | " | " | " | |
| | 8.8 | 7.1 | " | " | " | " | " | " | |
| | ND | 8.0 | " | " | " | " | " | " | |
| | ND | 6.9 | " | " | " | " | " | " | |
| | ND | 17 | " | " | " | " | " | " | |
| | 46 | 5.1 | " | " | " | " | " | " | |
| | 54 | 7.0 | " | " | " | " | " | " | |
| Sampled: 07/06/21 07:51 | Received: 0 | 7/06/21 14:3 | 5 | | | | | | |
| | ND | 2.0 | mg/kg | 1 | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| | | | " | " | " | " | " | " | |
| | | | " | " | " | " | " | " | |
| | | | " | " | " | " | " | " | |
| | | | " | " | " | " | ,, | " | |
| | | | " | " | " | " | " | " | |
| | | | ,, | " | " | " | " | " | |
| | ND | | ,, | ,, | B1G0711 | 07/07/21 | 07/09/21 12:47 | EPA 7199A | |
| | | 0.10 | | | | 37707721 | J//J/21 12.7/ | | |
| | | 0.10 5.0 | ,, | | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| | 26 | 5.0 | " | | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B EPA 7471A | |
| | 26 ND | 5.0 0.90 | | " | B1G0613 | 07/06/21 | 07/06/21 20:35 | EPA 7471A | |
| | 26 ND ND | 5.0 0.90 5.2 | " | " | | | | | |
| | 26 ND ND 15 | 5.0 0.90 5.2 3.0 | " | " " | B1G0613 B1G0611 | 07/06/21 07/06/21 | 07/06/21 20:35 07/07/21 13:55 | EPA 7471A EPA 6010B | |
| | 26 ND ND 15 ND | 5.0 0.90 5.2 3.0 7.1 | " | " " | B1G0613 B1G0611 | 07/06/21 07/06/21 | 07/06/21 20:35 07/07/21 13:55 | EPA 7471A EPA 6010B | |
| | 26 ND ND 15 ND ND | 5.0 0.90 5.2 3.0 7.1 8.0 | " " " | " " " | B1G0613 B1G0611 " | 07/06/21 07/06/21 " | 07/06/21 20:35 07/07/21 13:55 | EPA 7471A EPA 6010B | |
| | 26 ND ND 15 ND ND ND | 5.0 0.90 5.2 3.0 7.1 8.0 6.9 | " " | " | B1G0613 B1G0611 | 07/06/21 07/06/21 " | 07/06/21 20:35 07/07/21 13:55 | EPA 7471A EPA 6010B | |
| | 26 ND ND 15 ND ND | 5.0 0.90 5.2 3.0 7.1 8.0 | " " " " " | " | B1G0613 B1G0611 " | 07/06/21 07/06/21 " | 07/06/21 20:35 07/07/21 13:55 " | EPA 7471A EPA 6010B | |
| | | ND ND ND ND ND ND ND ND ND ND ND ND ND N | Result Limit | Result Limit Units | Sampled: 07/06/21 07:40 Received: 07/06/21 14:35 ND 2.0 mg/kg 1 ND 5.5 " " 84 6.0 " " ND 2.2 " " ND 2.5 " " 11 3.3 " " ND 0.10 " " ND 0.90 " " ND 5.2 " " ND 5.2 " " ND 8.8 7.1 " " ND 8.9 " " " ND 6.9 " " " ND 17 " " " Sampled: 07/06/21 07:51 Received: 07/06/21 14:35 " " " ND 2.0 mg/kg 1 " " ND 5.5 " " " ND 5.5 " | Sampled: 07/06/21 07:40 Received: 07/06/21 14:35 ND 2.0 mg/kg 1 B1G0611 ND 5.5 " " " 84 6.0 " " " ND 2.2 " " " ND 2.5 " " " 11 3.3 " " " ND 0.10 " " B1G0711 40 5.0 " " B1G0611 ND 0.90 " " B1G0613 ND 5.2 " " B1G0611 ND 5.2 " " B1G0611 ND 8.8 7.1 " " " ND 8.0 " " " " ND 6.9 " " " " ND 17 " " " " ND 2.0 mg/kg | Sampled: 07/06/21 07:40 Received: 07/06/21 14:35 Units Dilution Batch Prepared ND 2.0 mg/kg 1 B1G0611 07/06/21 ND 5.5 " " " " 84 6.0 " " " " ND 2.2 " " " " ND 2.5 " " " " 36 2.3 " " " " ND 0.10 " " B1G0611 07/06/21 ND 0.90 " " B1G0611 07/06/21 ND 5.2 " " B1G0611 07/06/21 ND 5.2 " " B1G0611 07/06/21 ND 5.2 " " " " ND 6.9 " " " " ND 6.9 " " " " | Result | Sampled: 07/06/21 07:40 Received: 07/06/21 14:35 Units Dilution Batch Prepared Analyzed Method Sampled: 07/06/21 07:40 Received: 07/06/21 14:35 SEPA 6010B ND 2.0 mg/kg 1 BIG0611 07/06/21 07/07/21 13:55 EPA 6010B ND 5.5 " " " " " " ND 2.2 " " " " " " ND 2.5 " " " " " " 11 3.3 " " " " " " ND 0.10 " |



Mearns Consulting LLC 738 Ashland Avenue

Santa Monica CA, 90405

Project: 1905 E 21st St. - Spud Field

Project Number:[none]Reported:Project Manager:Susan Mearns07/13/21 12:23

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Not |
|---|-------------------------|-----------------|--------------------|----------|----------|---------|----------|----------------|-----------|-----|
| SR3-5 (2107058-03) Soil | Sampled: 07/06/21 08:01 | Received: 0 | 7/06/21 14:3 | <u> </u> | | | | <u> </u> | | |
| Silver | 54mpreur 07/00/21 00/01 | ND | 2.0 | mg/kg | 1 | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Arsenic | | ND | 5.5 | mg/kg | " | " | 07/00/21 | 0//0//21 13.33 | EFA 0010B | |
| Barium | | 48 | 6.0 | ,, | ,, | ,, | ,, | " | " | |
| Beryllium | | ND | 2.2 | ,, | ,, | ,, | ,, | " | " | |
| Cadmium | | ND | 2.5 | ,, | " | ,, | ,, | " | " | |
| Cobalt | | 4.6 | 3.3 | | " | ,, | ,, | " | " | |
| Chromium | | 9.0 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | ,, | " | B1G0711 | 07/07/21 | 07/09/21 12:47 | EPA 7199A | |
| Copper | | 16 | 5.0 | " | " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G0613 | 07/06/21 | 07/06/21 20:35 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Nickel | | 6.2 | 3.0 | " | " | " | " | " | " | |
| _ead | | ND | 7.1 | " | " | " | ,, | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Challium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 16 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 29 | 7.0 | " | " | " | " | " | " | |
| SB4-5 (2107058-04) Soil | Sampled: 07/06/21 08:08 | Received: 0 | 7/06/21 14:3: | 5 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 170 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 14 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 42 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G0711 | 07/07/21 | 07/09/21 12:47 | EPA 7199A | |
| Copper | | 45 | 5.0 | " | " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G0613 | 07/06/21 | 07/06/21 20:35 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Nickel | | 26 | 3.0 | " | " | " | " | " | " | |
| Lead | | 9.5 | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| 1111111111111 | | ND | 6.9 | " | " | " | " | " | " | |
| • | | | | | ,, | ,, | " | " | " | |
| Selenium | | ND | 17 | " | " | | | | | |
| Selenium Thallium Vanadium | | ND 58 | 17 5.1 | " | " | , | " | " | " | |



Project: 1905 E 21st St. - Spud Field

Project Number: [none]
Project Manager: Susan Mearns

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
|---|-------------------------|---|---|------------|---|---|---|--|--|------|
| SB5-5 (2107058-05) Soil | Sampled: 07/06/21 08:16 | Received: | 07/06/21 14:3 | 5 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 97 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 16 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 30 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G0711 | 07/07/21 | 07/09/21 12:47 | EPA 7199A | |
| Copper | | 40 | 5.0 | " | " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G0613 | 07/06/21 | 07/06/21 20:35 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Nickel | | 27 | 3.0 | " | " | " | " | " | " | |
| Lead | | 8.5 | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 52 | 5.1 | " | " | " | " | " | " | |
| Zinc | | | 7.0 | | | | ,, | | | |
| Line | | 56 | 7.0 | " | " | " | " | " | " | |
| | Sampled: 07/06/21 08:23 | | | | " | " | " | " | " | |
| SB6-5 (2107058-06) Soil | Sampled: 07/06/21 08:23 | Received: | | 5 | 1 | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| SB6-5 (2107058-06) Soil | Sampled: 07/06/21 08:23 | | 07/06/21 14:3 : | | | | | | | |
| SB6-5 (2107058-06) Soil Silver Arsenic | Sampled: 07/06/21 08:23 | ND ND | 07/06/21 14:3: 2.0 5.5 | 5 mg/kg | 1 | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| SB6-5 (2107058-06) Soil Silver Arsenic Barium | Sampled: 07/06/21 08:23 | ND ND ND 130 | 2.0 5.5 6.0 | mg/kg | 1 " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| SB6-5 (2107058-06) Soil Silver Arsenic Barium Beryllium | Sampled: 07/06/21 08:23 | ND ND 130 ND | 2.0 5.5 6.0 2.2 | mg/kg | 1 " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| SB6-5 (2107058-06) Soil Silver Arsenic Barium Beryllium Cadmium | Sampled: 07/06/21 08:23 | ND ND ND 130 | 2.0 5.5 6.0 | mg/kg | 1 " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| SB6-5 (2107058-06) Soil Silver Arsenic Barium Beryllium Cadmium Cobalt | Sampled: 07/06/21 08:23 | ND ND 130 ND ND ND 22 | 2.0 5.5 6.0 2.2 2.5 | mg/kg | 1 " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| SB6-5 (2107058-06) Soil Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium | Sampled: 07/06/21 08:23 | ND ND 130 ND ND | 2.0 5.5 6.0 2.2 2.5 3.3 | mg/kg | 1 " " " " " " " " " " " " " " " " " " " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| SB6-5 (2107058-06) Soil Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium | Sampled: 07/06/21 08:23 | ND ND 130 ND ND ND 22 42 ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 | mg/kg | 1 " " " " " " " " " " " " " " " " " " " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| SB6-5 (2107058-06) Soil Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper | Sampled: 07/06/21 08:23 | ND ND 130 ND ND ND 22 42 | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 | mg/kg | 1 " " " " " " " " " " " " " " " " " " " | B1G0611 " " " " " " " B1G0711 | 07/06/21 | 07/07/21 13:55 " " " " " 07/09/21 12:47 07/07/21 13:55 | EPA 6010B " " " " " " EPA 7199A | |
| SB6-5 (2107058-06) Soil Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury | Sampled: 07/06/21 08:23 | ND ND 130 ND ND 22 42 ND 46 ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 | mg/kg | 1 " " " " " " " " " " " " " " " " " " " | B1G0611 " " " " " " B1G0711 B1G0611 B1G0613 | 07/06/21 " " " " " 07/07/21 07/06/21 | 07/07/21 13:55 " " " " " 07/09/21 12:47 07/09/21 13:55 07/06/21 20:35 | EPA 6010B " " " " " EPA 7199A EPA 6010B EPA 7471A | |
| SB6-5 (2107058-06) Soil Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum | Sampled: 07/06/21 08:23 | ND ND 130 ND ND 22 42 ND 46 ND ND ND ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 | mg/kg | 1 | B1G0611 " " " " " " B1G0711 B1G0611 | 07/06/21 " " " " " 07/07/21 07/06/21 | 07/07/21 13:55 " " " " " 07/09/21 12:47 07/07/21 13:55 | EPA 6010B " " " " " " EPA 7199A EPA 6010B | |
| SB6-5 (2107058-06) Soil Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel | Sampled: 07/06/21 08:23 | ND ND 130 ND ND ND 22 42 ND 46 ND ND ND 33 | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 | mg/kg | | B1G0611 " " " " " " B1G0711 B1G0611 B1G0613 B1G0611 | 07/06/21 " " " " " 07/07/21 07/06/21 07/06/21 | 07/07/21 13:55 " " " " " 07/09/21 12:47 07/07/21 13:55 07/06/21 20:35 07/07/21 13:55 | EPA 6010B " " " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| SB6-5 (2107058-06) Soil Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead | Sampled: 07/06/21 08:23 | ND ND 130 ND ND ND 22 42 ND 46 ND ND 33 | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 | mg/kg | | B1G0611 " " " " " " B1G0711 B1G0611 B1G0613 | 07/06/21 " " " " " 07/07/21 07/06/21 07/06/21 " | 07/07/21 13:55 " " " " " 07/09/21 12:47 07/07/21 13:55 07/06/21 20:35 07/07/21 13:55 | EPA 6010B " " " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| SB6-5 (2107058-06) Soil Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony | Sampled: 07/06/21 08:23 | ND ND 130 ND ND ND 22 42 ND 46 ND ND ND ND ND ND ND ND ND ND ND ND ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 | mg/kg | | B1G0611 " " " " " " B1G0711 B1G0613 B1G0611 " | 07/06/21 " " " " " 07/07/21 07/06/21 07/06/21 " " | 07/07/21 13:55 " " " " " 07/09/21 12:47 07/07/21 13:55 07/06/21 20:35 07/07/21 13:55 " | EPA 6010B " " " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " " | |
| SB6-5 (2107058-06) Soil Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium | Sampled: 07/06/21 08:23 | ND ND 130 ND ND ND 22 42 ND 46 ND ND ND ND ND ND ND ND ND ND ND ND ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 6.9 | mg/kg | | B1G0611 " " " " " B1G0711 B1G0613 B1G0611 " " | 07/06/21 " " " " " 07/07/21 07/06/21 07/06/21 " " " " | 07/07/21 13:55 " " " " " 07/09/21 12:47 07/07/21 13:55 07/06/21 20:35 07/07/21 13:55 " " | EPA 6010B " " " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " " | |
| | Sampled: 07/06/21 08:23 | ND ND 130 ND ND ND 22 42 ND 46 ND ND ND ND ND ND ND ND ND ND ND ND ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 | mg/kg | | B1G0611 " " " " " B1G0711 B1G0613 B1G0611 " " | 07/06/21 " " " " " 07/07/21 07/06/21 07/06/21 " " " " | 07/07/21 13:55 " " " " " 07/09/21 12:47 07/07/21 13:55 07/06/21 20:35 07/07/21 13:55 " " " | EPA 6010B " " " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " " " | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reported:

07/13/21 12:23



Project: 1905 E 21st St. - Spud Field

Project Number:[none]Reported:Project Manager:Susan Mearns07/13/21 12:23

$Metals\ by\ EPA\ 6000/7000\ Series\ Methods$

Sierra Analytical Labs, Inc.

| | | | | | 2405, 111 | | | | | |
|-------------------------|-------------------------|-----------|--------------------|-------|-----------|---------|----------|----------------|-----------|------|
| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| SB7-5 (2107058-07) Soil | Sampled: 07/06/21 08:31 | Received: | 07/06/21 14:3 | 5 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 80 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 12 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 24 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G0711 | 07/07/21 | 07/09/21 12:47 | EPA 7199A | |
| Copper | | 26 | 5.0 | " | " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G0613 | 07/06/21 | 07/06/21 20:35 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Nickel | | 19 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 43 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 47 | 7.0 | " | " | " | " | " | " | |
| SB8-5 (2107058-08) Soil | Sampled: 07/06/21 08:38 | Received: | 07/06/21 14:3: | 5 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 180 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 17 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 38 | 2.3 | | " | ,, | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G0711 | 07/07/21 | 07/09/21 12:47 | EPA 7199A | |
| Copper | | 37 | 5.0 | " | " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G0613 | 07/06/21 | 07/06/21 20:35 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Nickel | | 32 | 3.0 | | " | " | " | " | " | |
| Lead | | 11 | 7.1 | | " | " | " | " | " | |
| Antimony | | ND | 8.0 | | " | ,, | " | " | " | |
| Selenium | | ND | 6.9 | ,, | " | ,, | ,, | " | " | |
| Thallium | | ND ND | 17 | ,, | ,, | ,, | ,, | ,, | " | |
| Vanadium | | 68 | 5.1 | ,, | ,, | ,, | ,, | " | , | |
| Zinc | | 68 51 | 7.0 | ,, | ,, | ,, | ,, | " | , | |
| Zanc | | 31 | 7.0 | | | | | | | |



Project: 1905 E 21st St. - Spud Field

Project Number: [none]
Project Manager: Susan Mearns

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| 1 | | | | | | | | | | |
|---|----------------------------|--|---|-----------------|---|--|--|--|---|------|
| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Note |
| SB9-5 (2107058-09) Soil | Sampled: 07/06/21 08:47 | Received: (| 07/06/21 14:3 | 5 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 87 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 14 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 30 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G0711 | 07/07/21 | 07/09/21 12:47 | EPA 7199A | |
| Copper | | 28 | 5.0 | " | " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G0613 | 07/06/21 | 07/06/21 20:35 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Nickel | | 24 | 3.0 | " | " | " | " | " | " | |
| Lead | | 9.0 | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 54 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 38 | 7.0 | " | " | " | " | " | " | |
| | | | | | | | | | | |
| SB10-5 (2107058-10) Soi | il Sampled: 07/06/21 08:58 | | | 35 | | | | | | |
| | il Sampled: 07/06/21 08:58 | Received: | 07/06/21 14: | | 1 | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Silver | il Sampled: 07/06/21 08:58 | | 07/06/21 14: 2.0 | mg/kg | 1 " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Silver Arsenic | il Sampled: 07/06/21 08:58 | ND ND | 07/06/21 14:: 2.0 5.5 | mg/kg | | | | | | |
| Silver Arsenic Barium | il Sampled: 07/06/21 08:58 | ND ND ND 98 | 2.0 5.5 6.0 | mg/kg | " | " | " | " | " | |
| Silver Arsenic Barium Beryllium | il Sampled: 07/06/21 08:58 | ND ND | 07/06/21 14:: 2.0 5.5 | mg/kg | " | " | " | " | " | |
| Silver Arsenic Barium Beryllium Cadmium | il Sampled: 07/06/21 08:58 | ND ND ND 98 ND | 2.0 5.5 6.0 2.2 | mg/kg " " | " " | " | " | " " | " | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt | il Sampled: 07/06/21 08:58 | ND ND 98 ND ND ND 13 | 2.0 5.5 6.0 2.2 2.5 | mg/kg " " | " " | " " " | " " | " " " " | " " " | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium | il Sampled: 07/06/21 08:58 | ND ND ND 98 ND ND | 2.0 5.5 6.0 2.2 2.5 3.3 | mg/kg " " " " | " " " | " | " " " " | " " " " " | " | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium | il Sampled: 07/06/21 08:58 | ND ND 98 ND ND 13 27 ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 | mg/kg | " | " " " " B1G0711 | " " " " 07/07/21 | " " " 07/09/21 12:47 | " " " EPA 7199A | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper | il Sampled: 07/06/21 08:58 | ND ND 98 ND ND 13 27 ND 30 | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 | mg/kg | " | " " " B1G0711 B1G0611 | " " " 07/07/21 07/06/21 | " " " 07/09/21 12:47 07/07/21 13:55 | " " " EPA 7199A EPA 6010B | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury | il Sampled: 07/06/21 08:58 | ND ND 98 ND ND 13 27 ND 30 ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 | mg/kg | " | " " " B1G0711 B1G0611 B1G0613 | """""""""""""""""""""""""""""""""""""" | "" "" 07/09/21 12:47 07/07/21 13:55 07/06/21 20:35 | " " " EPA 7199A EPA 6010B EPA 7471A | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum | il Sampled: 07/06/21 08:58 | ND ND 98 ND ND 13 27 ND 30 ND ND ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 | mg/kg | " | " " " B1G0711 B1G0611 | " " " 07/07/21 07/06/21 | " " " 07/09/21 12:47 07/07/21 13:55 | " " " EPA 7199A EPA 6010B | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel | il Sampled: 07/06/21 08:58 | ND ND 98 ND ND 13 27 ND 30 ND ND ND 23 | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 | mg/kg | " " " " " " " " " " | " " " " B1G0711 B1G0611 B1G0613 B1G0611 | 07/07/21 07/06/21 07/06/21 07/06/21 | "" "" 07/09/21 12:47 07/07/21 13:55 07/06/21 20:35 07/07/21 13:55 | " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead | il Sampled: 07/06/21 08:58 | ND ND 98 ND ND 13 27 ND 30 ND ND 23 7.5 | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 | mg/kg | """"""""""""""""""""""""""""""""""""""" | " " " " " B1G0711 B1G0613 B1G0611 " | 07/07/21 07/06/21 07/06/21 07/06/21 | "" "" 07/09/21 12:47 07/07/21 13:55 07/06/21 20:35 07/07/21 13:55 | " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony | il Sampled: 07/06/21 08:58 | ND ND 98 ND ND 13 27 ND 30 ND ND 23 7.5 ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 | mg/kg | """"""""""""""""""""""""""""""""""""""" | B1G0711 B1G0611 B1G0613 B1G0611 | 07/07/21 07/06/21 07/06/21 " | 07/09/21 12:47 07/07/21 13:55 07/06/21 20:35 07/07/21 13:55 | " " " EPA 7199A EPA 6010B EPA 6010B " " | |
| Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium | il Sampled: 07/06/21 08:58 | ND ND 98 ND ND 13 27 ND 30 ND ND 23 7.5 ND ND ND ND ND ND ND ND ND ND ND ND ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 8.0 6.9 | mg/kg | | B1G0711 B1G0611 B1G0611 B1G0611 | 07/07/21 07/06/21 07/06/21 "" | 07/09/21 12:47 07/09/21 13:55 07/06/21 20:35 07/07/21 13:55 | " " EPA 7199A EPA 6010B EPA 6010B " " | |
| SB10-5 (2107058-10) Soi Silver Arsenic Barium Beryllium Cadmium Cobalt Chromium Hexavalent Chromium Copper Mercury Molybdenum Nickel Lead Antimony Selenium Thallium Vanadium | il Sampled: 07/06/21 08:58 | ND ND 98 ND ND 13 27 ND 30 ND ND 23 7.5 ND | 2.0 5.5 6.0 2.2 2.5 3.3 2.3 0.10 5.0 0.90 5.2 3.0 7.1 | mg/kg | | B1G0711 B1G0611 B1G0611 """ | 07/07/21 07/06/21 07/06/21 """""""""""""""""""""""""""""""""""" | "" "" 07/09/21 12:47 07/07/21 13:55 07/06/21 20:35 07/07/21 13:55 "" "" "" | " " " EPA 7199A EPA 6010B EPA 7471A EPA 6010B " " | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Reported:

07/13/21 12:23



Project: 1905 E 21st St. - Spud Field

Project Number:[none]Reported:Project Manager:Susan Mearns07/13/21 12:23

Metals by EPA 6000/7000 Series Methods

Sierra Analytical Labs, Inc.

| Analyte | | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|--------------------------|-------------------------|-----------|--------------------|-------|----------|---------|----------|----------------|-----------|-------|
| SB11-5 (2107058-11) Soil | Sampled: 07/06/21 09:10 | Received: | 07/06/21 14:3 | 35 | | | | | | |
| Silver | | ND | 2.0 | mg/kg | 1 | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Arsenic | | ND | 5.5 | " | " | " | " | " | " | |
| Barium | | 120 | 6.0 | " | " | " | " | " | " | |
| Beryllium | | ND | 2.2 | " | " | " | " | " | " | |
| Cadmium | | ND | 2.5 | " | " | " | " | " | " | |
| Cobalt | | 9.8 | 3.3 | " | " | " | " | " | " | |
| Chromium | | 22 | 2.3 | " | " | " | " | " | " | |
| Hexavalent Chromium | | ND | 0.10 | " | " | B1G0711 | 07/07/21 | 07/09/21 12:47 | EPA 7199A | |
| Copper | | 14 | 5.0 | " | " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Mercury | | ND | 0.90 | " | " | B1G0613 | 07/06/21 | 07/06/21 20:35 | EPA 7471A | |
| Molybdenum | | ND | 5.2 | " | " | B1G0611 | 07/06/21 | 07/07/21 13:55 | EPA 6010B | |
| Nickel | | 16 | 3.0 | " | " | " | " | " | " | |
| Lead | | ND | 7.1 | " | " | " | " | " | " | |
| Antimony | | ND | 8.0 | " | " | " | " | " | " | |
| Selenium | | ND | 6.9 | " | " | " | " | " | " | |
| Thallium | | ND | 17 | " | " | " | " | " | " | |
| Vanadium | | 39 | 5.1 | " | " | " | " | " | " | |
| Zinc | | 31 | 7.0 | " | " | " | " | " | " | |



Project: 1905 E 21st St. - Spud Field

Project Number: [none]
Project Manager: Susan Mearns

Reported: 07/13/21 12:23

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

| Batch B1G0611 - EPA 3050B | | | | | | | |
|---------------------------|-----|-----|-------|------------------|------------------|---------|--|
| Blank (B1G0611-BLK1) | | | | Prepared: 07/06/ | /21 Analyzed: 07 | 7/07/21 | |
| Antimony | ND | 8.0 | mg/kg | | | | |
| Selenium | ND | 6.9 | " | | | | |
| Cadmium | ND | 2.5 | " | | | | |
| Vanadium | ND | 5.1 | " | | | | |
| Chromium | ND | 2.3 | " | | | | |
| Cobalt | ND | 3.3 | " | | | | |
| Zinc | ND | 7.0 | " | | | | |
| Thallium | ND | 17 | " | | | | |
| Copper | ND | 5.0 | " | | | | |
| Barium | ND | 6.0 | " | | | | |
| Lead | ND | 7.1 | " | | | | |
| Arsenic | ND | 5.5 | " | | | | |
| Molybdenum | ND | 5.2 | " | | | | |
| Nickel | ND | 3.0 | " | | | | |
| Silver | ND | 2.0 | " | | | | |
| Beryllium | ND | 2.2 | " | | | | |
| LCS (B1G0611-BS1) | | | | Prepared: 07/06/ | /21 Analyzed: 07 | 7/07/21 | |
| Copper | 107 | 5.0 | mg/kg | 100 | 107 | 78-122 | |
| Lead | 112 | 7.1 | " | 100 | 112 | 80-120 | |
| Antimony | 103 | 8.0 | " | 100 | 103 | 75-125 | |
| Chromium | 111 | 2.3 | " | 100 | 111 | 80-120 | |
| Selenium | 105 | 6.9 | " | 100 | 105 | 76-124 | |
| Cobalt | 119 | 3.3 | " | 100 | 119 | 80-120 | |
| Beryllium | 107 | 2.2 | " | 100 | 107 | 80-120 | |
| Silver | 106 | 2.0 | " | 100 | 106 | 60-140 | |
| Arsenic | 105 | 5.5 | " | 100 | 105 | 78-122 | |
| Barium | 112 | 6.0 | " | 100 | 112 | 80-120 | |
| Zinc | 110 | 7.0 | " | 100 | 110 | 80-120 | |
| Nickel | 119 | 3.0 | " | 100 | 119 | 80-120 | |
| Vanadium | 107 | 5.1 | " | 100 | 107 | 80-120 | |
| Cadmium | 103 | 2.5 | " | 100 | 103 | 80-120 | |
| Molybdenum | 108 | 5.2 | " | 100 | 108 | 80-120 | |
| Thallium | 114 | 17 | " | 100 | 114 | 80-120 | |
| | | | | | | | |



Mearns Consulting LLC 738 Ashland Avenue

Analyte

Antimony

Chromium

Nickel

Lead

Copper

Thallium

Project: 1905 E 21st St. - Spud Field

Spike

Level

Source

Result

%REC

%REC

Limits

RPD

RPD

Limit

Notes

738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/13/21 12:23

$Metals\ by\ EPA\ 6000/7000\ Series\ Methods\ -\ Quality\ Control$

Sierra Analytical Labs, Inc.

Units

Reporting

Limit

Result

| LCS Dup (B1G0611-BSD1) | | | | Prepared: (| 07/06/21 A | nalyzed: 0' | 7/07/21 | | |
|----------------------------|--------|-------------|-------|-------------|------------|-------------|---------|------|----|
| Beryllium | 105 | 2.2 | mg/kg | 100 | | 105 | 80-120 | 1.49 | 20 |
| Chromium | 106 | 2.3 | " | 100 | | 106 | 80-120 | 4.14 | 20 |
| Cadmium | 97.5 | 2.5 | " | 100 | | 97.5 | 80-120 | 5.78 | 20 |
| Copper | 112 | 5.0 | " | 100 | | 112 | 78-122 | 4.64 | 20 |
| Arsenic | 101 | 5.5 | " | 100 | | 101 | 78-122 | 3.70 | 20 |
| Cobalt | 116 | 3.3 | " | 100 | | 116 | 80-120 | 2.58 | 20 |
| Silver | 108 | 2.0 | " | 100 | | 108 | 60-140 | 1.96 | 40 |
| Molybdenum | 105 | 5.2 | " | 100 | | 105 | 80-120 | 3.50 | 20 |
| Barium | 109 | 6.0 | " | 100 | | 109 | 80-120 | 2.55 | 20 |
| Vanadium | 105 | 5.1 | " | 100 | | 105 | 80-120 | 1.32 | 20 |
| Selenium | 100 | 6.9 | " | 100 | | 100 | 76-124 | 4.29 | 20 |
| Antimony | 112 | 8.0 | " | 100 | | 112 | 75-125 | 8.57 | 20 |
| Nickel | 115 | 3.0 | " | 100 | | 115 | 80-120 | 3.21 | 20 |
| Lead | 115 | 7.1 | " | 100 | | 115 | 80-120 | 3.08 | 20 |
| Thallium | 107 | 17 | " | 100 | | 107 | 80-120 | 6.02 | 20 |
| Zine | 109 | 7.0 | " | 100 | | 109 | 80-120 | 1.23 | 20 |
| Matrix Spike (B1G0611-MS1) | Source | e: 2107028- | 01 | Prepared: (| 07/06/21 A | nalyzed: 0' | 7/07/21 | | |
| Vanadium | 126 | 5.1 | mg/kg | 96.8 | 32.6 | 96.9 | 70-130 | | |
| Barium | 192 | 6.0 | " | 96.8 | 83.1 | 113 | 70-130 | | |
| Cobalt | 102 | 3.3 | " | 96.8 | 7.94 | 97.4 | 70-130 | | |
| Molybdenum | 82.1 | 5.2 | " | 96.8 | 0.635 | 84.2 | 70-130 | | |
| Cadmium | 84.1 | 2.5 | " | 96.8 | 1.03 | 85.8 | 70-130 | | |
| Zinc | 132 | 7.0 | " | 96.8 | 46.6 | 88.5 | 70-130 | | |
| Arsenic | 86.3 | 5.5 | " | 96.8 | ND | 89.2 | 70-130 | | |
| Selenium | 86.0 | 6.9 | " | 96.8 | 1.66 | 87.2 | 70-130 | | |
| Silver | 99.9 | 2.0 | " | 96.8 | 0.269 | 103 | 60-140 | | |
| Beryllium | 88.1 | 2.2 | " | 96.8 | 0.220 | 91.1 | 70-130 | | |
| | | | | | | | | | |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

8.0

2.3

3.0

17

7.1

5.0

96.8

96.8

96.8

96.8

96.8

96.8

5.77

17.4

15.2

ND

22.8

91.8

94.5

97.7

87.8

109

113

60-140

70-130

70-130

70-130

70-130

70-130

94.6

109

110

85.0

129

135



Project: 1905 E 21st St. - Spud Field

Project Number: [none] Reported:
Project Manager: Susan Mearns 07/13/21 12:23

$Metals\ by\ EPA\ 6000/7000\ Series\ Methods\ -\ Quality\ Control$

Sierra Analytical Labs, Inc.

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------|--------|-----------|-------|-------|--------|------|--------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |

| Ratch | B1G0611 | - EPA | 3050R | |
|-------|---------|-------|-------|--|
| | | | | |

| Source | e: 2107028-0 |)1 | Prepared: (| 07/06/21 Aı | nalyzed: 07 | 7/07/21 | | | |
|--------|--|---|---|---|--|---|--|--|--|
| 193 | 6.0 | mg/kg | 96.7 | 83.1 | 114 | 70-130 | 0.455 | 20 | |
| 82.3 | 5.2 | " | 96.7 | 0.635 | 84.4 | 70-130 | 0.168 | 20 | |
| 98.4 | 2.0 | " | 96.7 | 0.269 | 101 | 60-140 | 1.49 | 40 | |
| 87.1 | 5.5 | " | 96.7 | ND | 90.0 | 70-130 | 0.880 | 20 | |
| 148 | 7.0 | " | 96.7 | 46.6 | 105 | 70-130 | 11.0 | 20 | |
| 107 | 3.0 | " | 96.7 | 15.2 | 95.2 | 70-130 | 2.37 | 20 | |
| 103 | 3.3 | " | 96.7 | 7.94 | 98.1 | 70-130 | 0.588 | 20 | |
| 136 | 5.0 | " | 96.7 | 25.5 | 115 | 70-130 | 1.31 | 30 | |
| 87.0 | 2.2 | " | 96.7 | 0.220 | 90.0 | 70-130 | 1.31 | 20 | |
| 85.1 | 17 | " | 96.7 | ND | 88.0 | 70-130 | 0.102 | 20 | |
| 127 | 7.1 | " | 96.7 | 22.8 | 108 | 70-130 | 1.16 | 30 | |
| 110 | 2.3 | " | 96.7 | 17.4 | 95.8 | 70-130 | 1.07 | 20 | |
| 86.2 | 2.5 | " | 96.7 | 1.03 | 88.1 | 70-130 | 2.52 | 20 | |
| 124 | 5.1 | " | 96.7 | 32.6 | 94.2 | 70-130 | 2.17 | 20 | |
| 91.9 | 8.0 | " | 96.7 | 5.77 | 89.1 | 60-140 | 2.90 | 20 | |
| 87.0 | 6.9 | " | 96.7 | 1.66 | 88.3 | 70-130 | 1.16 | 20 | |
| | 193 82.3 98.4 87.1 148 107 103 136 87.0 85.1 127 110 86.2 124 91.9 | 193 6.0 82.3 5.2 98.4 2.0 87.1 5.5 148 7.0 107 3.0 103 3.3 136 5.0 87.0 2.2 85.1 17 127 7.1 110 2.3 86.2 2.5 124 5.1 91.9 8.0 | 82.3 5.2 " 98.4 2.0 " 87.1 5.5 " 148 7.0 " 107 3.0 " 103 3.3 " 87.0 2.2 " 85.1 17 " 127 7.1 " 110 2.3 " 86.2 2.5 " 124 5.1 " 91.9 8.0 " | 193 6.0 mg/kg 96.7 82.3 5.2 " 96.7 98.4 2.0 " 96.7 87.1 5.5 " 96.7 148 7.0 " 96.7 107 3.0 " 96.7 103 3.3 " 96.7 136 5.0 " 96.7 87.0 2.2 " 96.7 85.1 17 " 96.7 127 7.1 " 96.7 110 2.3 " 96.7 110 2.3 " 96.7 124 5.1 " 96.7 91.9 8.0 " 96.7 | 193 6.0 mg/kg 96.7 83.1 82.3 5.2 " 96.7 0.635 98.4 2.0 " 96.7 0.269 87.1 5.5 " 96.7 ND 148 7.0 " 96.7 46.6 107 3.0 " 96.7 15.2 103 3.3 " 96.7 7.94 136 5.0 " 96.7 25.5 87.0 2.2 " 96.7 0.220 85.1 17 " 96.7 ND 127 7.1 " 96.7 ND 127 7.1 " 96.7 22.8 110 2.3 " 96.7 17.4 86.2 2.5 " 96.7 1.03 124 5.1 " 96.7 32.6 91.9 8.0 " 96.7 5.77 | 193 6.0 mg/kg 96.7 83.1 114 82.3 5.2 " 96.7 0.635 84.4 98.4 2.0 " 96.7 0.269 101 87.1 5.5 " 96.7 ND 90.0 148 7.0 " 96.7 46.6 105 107 3.0 " 96.7 15.2 95.2 103 3.3 " 96.7 7.94 98.1 136 5.0 " 96.7 25.5 115 87.0 2.2 " 96.7 0.220 90.0 85.1 17 " 96.7 ND 88.0 127 7.1 " 96.7 ND 88.0 110 2.3 " 96.7 17.4 95.8 86.2 2.5 " 96.7 1.03 88.1 124 5.1 " 96.7 32.6 94.2 91.9 8.0 " 96.7 5.77 89.1 | 193 6.0 mg/kg 96.7 83.1 114 70-130 82.3 5.2 " 96.7 0.635 84.4 70-130 98.4 2.0 " 96.7 0.269 101 60-140 87.1 5.5 " 96.7 ND 90.0 70-130 148 7.0 " 96.7 46.6 105 70-130 107 3.0 " 96.7 15.2 95.2 70-130 103 3.3 " 96.7 7.94 98.1 70-130 136 5.0 " 96.7 25.5 115 70-130 87.0 2.2 " 96.7 0.220 90.0 70-130 85.1 17 " 96.7 ND 88.0 70-130 127 7.1 " 96.7 ND 88.0 70-130 110 2.3 " 96.7 17.4 95.8 70-130 110 2.3 " 96.7 17.4 95.8 70-130 86.2 2.5 " 96.7 1.03 88.1 70-130 124 5.1 " 96.7 32.6 94.2 70-130 91.9 8.0 " 96.7 5.77 89.1 60-140 | 193 6.0 mg/kg 96.7 83.1 114 70-130 0.455 82.3 5.2 " 96.7 0.635 84.4 70-130 0.168 98.4 2.0 " 96.7 0.269 101 60-140 1.49 87.1 5.5 " 96.7 ND 90.0 70-130 0.880 148 7.0 " 96.7 46.6 105 70-130 11.0 107 3.0 " 96.7 15.2 95.2 70-130 2.37 103 3.3 " 96.7 7.94 98.1 70-130 0.588 136 5.0 " 96.7 25.5 115 70-130 1.31 87.0 2.2 " 96.7 0.220 90.0 70-130 1.31 85.1 17 " 96.7 ND 88.0 70-130 1.31 85.1 17 " 96.7 ND 88.0 70-130 0.102 127 7.1 " 96.7 22.8 108 70-130 1.16 110 2.3 " 96.7 17.4 95.8 70-130 1.07 86.2 2.5 " 96.7 1.03 88.1 70-130 2.52 124 5.1 " 96.7 32.6 94.2 70-130 2.17 91.9 8.0 " 96.7 5.77 89.1 60-140 2.90 | 193 6.0 mg/kg 96.7 83.1 114 70-130 0.455 20 82.3 5.2 " 96.7 0.635 84.4 70-130 0.168 20 98.4 2.0 " 96.7 0.269 101 60-140 1.49 40 87.1 5.5 " 96.7 ND 90.0 70-130 0.880 20 148 7.0 " 96.7 46.6 105 70-130 11.0 20 107 3.0 " 96.7 15.2 95.2 70-130 2.37 20 103 3.3 " 96.7 7.94 98.1 70-130 0.588 20 136 5.0 " 96.7 25.5 115 70-130 1.31 30 87.0 2.2 " 96.7 0.220 90.0 70-130 1.31 20 85.1 17 " 96.7 ND 88.0 70-130 1.16 30 110 2.3 " 96.7 17.4 95.8 70-130 1.16 30 110 2.3 " 96.7 17.4 95.8 70-130 1.07 20 86.2 2.5 " 96.7 1.03 88.1 70-130 2.52 20 124 5.1 " 96.7 32.6 94.2 70-130 2.17 20 91.9 8.0 " 96.7 5.77 89.1 60-140 2.90 20 |

Batch B1G0613 - EPA 7471A

| Blank (B1G0613-BLK1) | | | | Prepared & | Analyzed: | 07/06/21 | | |
|----------------------------|---------|-----------|-------|------------|-----------|----------|--------|--|
| Mercury | ND | 0.90 | mg/kg | | | | | |
| LCS (B1G0613-BS1) | | | | Prepared & | Analyzed: | 07/06/21 | | |
| Mercury | 0.20 | 0.90 | mg/kg | 0.167 | | 118 | 70-130 | |
| Matrix Spike (B1G0613-MS1) | Source: | 2107028-0 |)1 | Prepared & | Analyzed: | 07/06/21 | | |
| Mercury | 0.24 | 0.90 | mg/kg | 0.163 | 0.09 | 90.8 | 70-130 | |



Project: 1905 E 21st St. - Spud Field

Project Number: [none]
Project Manager: Susan Mearns

Reported: 07/13/21 12:23

Metals by EPA 6000/7000 Series Methods - Quality Control

Sierra Analytical Labs, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------------|---------|--------------------|-------|----------------|------------------|-------------|----------------|------|--------------|--------|
| | Rosun | Ziiiit | Cinto | Level | resuit | , unche | Limito | | Limit | 110103 |
| Batch B1G0613 - EPA 7471A | | | | | | | | | | |
| Matrix Spike Dup (B1G0613-MSD1) | Source: | : 2107028-0 |)1 | Prepared & | Analyzed: | 07/06/21 | | | | |
| Mercury | 0.24 | 0.90 | mg/kg | 0.162 | 0.09 | 89.1 | 70-130 | 1.57 | 30 | |
| Batch B1G0711 - EPA 3060A | | | | | | | | | | |
| Blank (B1G0711-BLK1) | | | | Prepared: 0 | 7/07/21 Ar | nalyzed: 07 | /09/21 | | | |
| Hexavalent Chromium | ND | 0.10 | mg/kg | | | | | | | |
| LCS (B1G0711-BS1) | | | | Prepared: 0 | 7/07/21 Ar | nalyzed: 07 | /09/21 | | | |
| Hexavalent Chromium | 0.158 | 0.10 | mg/kg | 0.150 | | 105 | 80-120 | | | |
| Matrix Spike (B1G0711-MS1) | Source: | : 2107058-0 |)1 | Prepared: 0 | 7/07/21 Ar | nalyzed: 07 | /09/21 | | | |
| Hexavalent Chromium | 0.175 | 0.10 | mg/kg | 0.149 | 0.0273 | 99.1 | 75-125 | | | |
| Matrix Spike Dup (B1G0711-MSD1) | Source: | : 2107058-0 |)1 | Prepared: 0 | 7/07/21 Ar | nalyzed: 07 | /09/21 | | | |
| Hexavalent Chromium | 0.183 | 0.10 | mg/kg | 0.150 | 0.0273 | 104 | 75-125 | 4.44 | 20 | |



Mearns Consulting LLC Project: 1905 E 21st St. - Spud Field

738 Ashland Avenue Project Number: [none] Reported:
Santa Monica CA, 90405 Project Manager: Susan Mearns 07/13/21 12:23

Notes and Definitions

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

SIERRA ANALYTICAL

CHAIN OF CUSTODY RECORD

TEL: 949 • 348 • 9389 FAX: 949 • 348 • 9115

26052 Merit Circle • Suite 104 • Laguna Hills, CA • 92653

Date: 7 / 6 / 21 Page: 1 of 4/2

Lab Work Order No.: 2107058

| Client: WEAPAS CONSULTIN | ih Cop | ρ | | Cli | ent Project ID: | | | | · | | Aual | yses J | Reque | sted | | | | |
|---------------------------------------|---------------------------------------|--------|--------------------|--------------|-----------------|---------------------------------------|------------|--------|-------------|-----------|----------------------------|------------|-------------|--------------------|------------|-----------|--------------|--|
| Client Address: 738 AGHLANI | D AVE | 1 | | | | | | 700 | | | | | | | <u> </u> | | | Geotracker EDD Info: |
| SANTA MONICA | CA | 90405 | | | - 5 | 16 | ۳ | _ | | | | | | | | | | |
| | | | | <u> </u> | 905 E 21 St | st. Spud | HELD | book | | | | | | İ | | | | |
| | | | | | | Immediate | 24 Hour | | | | | | | | | | | Client LOGCODE |
| Client Tel. No.: 315 4D3 192 | | | | Time | Requested: | 48 Hour | 72 Hour | WETALS | | | | | | | | - | | |
| | 78 | | | | | 4 Day | 3 5 Day | 应 | | | | | | İ | | | | |
| Client Proj. Mgr.: SASAN | - MEA | ray Yi | 1 1) | | X | Normal | Mobile 1 | | | | | | | | | | | Site Global ID |
| 011.40 | Sierra | | | | | Container | No. of | | 5 | | | | | | | 1 | | |
| Client Sample ID. | No. | Date | Time | Matrix | Preservative | Type | Containers | Ħ | ၁ | | <u> </u> | | | | | | | Field Point Names / Comments |
| S81-5 | ٥١ | 7.6.21 | 0740 | SOIL | ICE | ACETATE Y | <i>y</i> 1 | X | X | | | | | | | | | |
| SB2·5 | 0 2 | | 0751 | | <u> </u> | 1 | | χ | X | | | | | | | } | | |
| S b 3-5 | 03 | | 0801 | | | | | Х | X | | | | | | | | | |
| 584-5 | 04 | | 0808 | | | | | × | X | | | | | | Ţ | | | |
| SB5-5 | 05 | | 0816 | | | | | Х | X | | | | | *** | | | | |
| \$86-5 | 06 | | 0823 | | | | | × | X | | | | | | | | | |
| S87.5 | 0 77 | | 0831 | | | | | Х | X | | | | | | | † | | |
| SB8.5 | •8 | | 0838 | | | | | X | X | | | - | | | | | | · · · · · · · · · · · · · · · · · · · |
| SB9.5 | 24 | | 0847 | , | 1 | | | Х | X | | | | | | | | | |
| (11 SB10-5 | .10 | , V | 0 858 | V | 4 | 4 | V | Х | X | | | | | | | | | |
| Sample Color | 7. | Ta av |) Shipped Via: HA | ND DELLY | arad | | | | 4 | ' | Total | Numb | er of Co | ntainen | s Subm | itted to | , | Sample Disposal: |
| MEARING PHD J | . T. 12. | Link | (CarnenWaybel No.) | | | , | | | (| | Labo | ratory | | | | | | Return to Client |
| 2 Retinguished By Cat Jayay | , , , , , , , , , , , , , , , , , , , | Z1617 | tocerved By: | 11 | | | 7/6/21 | | | | and the signs | | | | | | | Leh Disposal * |
| Сощрену: | | 12:35 | Сопарыну: | 5,5 | | | 1435 | Cendi | itions, uni | ess other | wise agreed to be bazar | nboa ju | rciting bet | ween SIE) | UKA and | CLEENT | : | Archivemat. |
| <u> </u> | | | | | <u> </u> | | 110% | | ţ | 1 | | | | | | | | Other |
| Retinguished By: | | Date: | Received By: | | | · · · · · · · · · · · · · · · · · · · | Data; | | t | • | | oratory | ber of C | ontaine | 13 Kece | avea o | ^y | Other |
| Company: | | | Соптраву: | | | <u></u> | Terre: | FOR | AMORAT | DRA CAR | ONLY - Sam | ple Beceip | Condigue | i: illed - Test | | | | - 27.4 |
| Relinguished By: | | Date: | Received By: | ···· | | | Date: | 2.38 | | 32443 | | | | | | N. Take | |) |
| Company: | - Da - | Time: | Company: | | | | Time: | | Sample S | als . | | | П гл | Servatives | - Verified | Dy | | 4 |
| Special Lantenectors: COWEOTED VIA GE | ъ rkoв | G 5410 | 5 bas | | | | | 4 | Property I | alsellad | | | □ ., | . | | | | |
| | | | • | | | | | | | | Custamer | | | tege Local | kon | | | 32 |
| Rev: 20321 | | | | . | | | | DA WAX | 36, 15 | | | | | OISTINAUTRO | | Асстароку | Samples, Ye | low - Laboratory Copy, Plak - Field Personnel Copy |

SIERRA ANALYTICAL

CHAIN OF CUSTODY RECORD

TEL: 949 • 348 • 9389 FAX: 949 • 348 • 9115

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Date: 7 / 6 / 21 Page; 2 of 2

2107053 Lab Work Order No.: MEARNS CONSULTING COPP Analyses Requested Client Project ID: Client Address: 738 ASHLAND AVE Geotracker EDD Info: SANTA MONICA CA 1905 = 21 St. - Soud Flew Client LOGCODE Turn Around Time Requested; Client Tel. No.: 403 1921 Merans 12 Hour 48 Hour Client Fax. No.: 396 6878 4 Day Day 5 Day MEARN Client Proj. Mgr.: MAZNIK Site Global ID X Normal Mobile Sierra Container Client Sample ID. Date Time Matrix Preservative Containers No. Fleld Point Names / Type Comments ALF TATE SB11-5 7.6.21 401L X 0910 105 × SW Shippou Vis: HAND DELIVERED Total Number of Containers Submitted to Sample Disposal: Laboratory Return to Client The delivery of samples and the signature on this chain of custody form constitutes 7/4/4 authorization to perform the analyses specified above under SEERRA's Terms and Lab Disposal * Conditions, unless otherwise agreed upon in writing between SIERRA and CLIENT. SIEVEN Archive ____ mos. * - Samples determined to be hazardous by SIERRA will be returned to CLIENT. Total Number of Containers Received by Laboratory FOR LABORATORY USE ONLY - Sample Receipt Considerer intact Chilled (Temp (CC) Relinquoted By Received By: Smalle Spain Tresenauvas - Varilled By Special Instructions: Troporty Labelled

APPENDIX C

Jones Environmental Labs, Inc. July 27 and 28, 2021 Soil Vapor Data



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

JONES ENVIRONMENTAL LABORATORY RESULTS

Mearns Consulting Group Report date: **Client:**

738 Ashland Avenue, Jones Ref. No.: E-1172

Santa Monica CA 90405

Susan L Mearns PhD Attn: Date Sampled: 7/27/2021

> **Date Received:** 7/27/2021 7/27/2021 Date Analyzed:

7/27/2021

Town Center Northwest **Project: Project Address:**

2690 Walnut Ave **Physical State:** Soil Gas

Signal Hill, CA

ANALYSES REQUESTED

Client Address:

1. EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sampling - Soil Gas samples were collected in glass gas-tight syringes equipped with Teflon plungers.

A tracer gas mixture of n-pentane, n-hexane, and n-heptane was placed at the tubing-surface interface before sampling. These compounds were analyzed during the 8260B analytical run to determine if there were surface leaks into the subsurface due to improper installation of the probe. No tracer was detected in any of the samples reported herein.

The sampling rate was approximately 200 cc/min, except when noted differently on the chain of custody record, using a glass gas-tight syringe. Purging was completed using a pump set at approximately 200 cc/min, except when noted differently on the chain of custody record. A default of 3 purge volumes was used as recommended by July 2015 DTSC/RWOCB guidance documents.

Prior to purging and sampling of soil gas at each point, a shut-in test was conducted to check for leaks in the above ground fittings. The shut-in test was performed on the above ground apparatus by evacuating the line to a vacuum of 100 inches of water, sealing the entire system and watching the vacuum for at least one minute. A vacuum gauge attached in parallel to the apparatus measured the vacuum. If there was any observable loss of vacuum, the fittings were adjusted as needed until the vacuum did not change noticeably. The soil gas sample was then taken.

No flow conditions occur when a sampling rate greater than 10 mL/min cannot be maintained without applying a vacuum greater than 100 inches of water to the sampling train. The sampling train is left at a vacuum for no less than three minutes. If the vacuum does not subside appreciably after three minutes, the sample location is determined to be a no flow sample.

Analytical - Soil Gas samples were analyzed using EPA Method 8260 that includes extra compounds required by DTSC/RWQCB (such as Freon 113). Instrument Continuing Calibration Verification, QC Reference Standards, Instrument Blanks and Sampling Blanks were analyzed every 12 hours as prescribed by the method. In addition, a Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) were analyzed with each batch of Soil Gas samples. A duplicate/replicate sample was analyzed each day of the sampling activity. All samples were injected into the GC/MS system within 30 minutes of collection.

Approval:

Mobile Lab Manager

11007 FOREST PLACE SANTA FE SPRINGS, CA 90670 714-449-9937 562-646-1611 WWW.JONESENV.COM

JONES ENVIRONMENTAL LABORATORY RESULTS

Mearns Consulting Group Report date: 7/27/2021 **Client:** 738 Ashland Avenue, Jones Ref. No.: E-1172 **Client Address:**

Santa Monica CA 90405

Susan L Mearns PhD **Date Sampled:** 7/27/2021 Attn:

> **Date Received:** 7/27/2021 **Date Analyzed:** 7/27/2021

Project: Town Center Northwest **Project Address:** 2690 Walnut Ave **Physical State:** Soil Gas

Signal Hill, CA

EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

| Sample ID: | SV1-5' | SV1-15' | SV2-5' | SV2-15' | SV2-15' REP | | |
|-----------------------------|-----------|-----------|-----------|-----------|----------------|-----------------|--------------|
| Jones ID: | E-1172-01 | E-1172-02 | E-1172-03 | E-1172-04 | E-1172-05 | Reporting Limit | <u>Units</u> |
| Analytes: | | | | | | | |
| Benzene | ND | 13 | ND | ND | ND | 8 | μg/m3 |
| Bromobenzene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Bromodichloromethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Bromoform | ND | ND | ND | ND | ND | 8 | μg/m3 |
| n-Butylbenzene | ND | ND | ND | ND | ND | 12 | μg/m3 |
| sec-Butylbenzene | ND | ND | ND | ND | ND | 12 | μg/m3 |
| tert-Butylbenzene | ND | ND | ND | ND | ND | 12 | μg/m3 |
| Carbon tetrachloride | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Chlorobenzene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Chloroform | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 2-Chlorotoluene | ND | ND | ND | ND | ND | 12 | μg/m3 |
| 4-Chlorotoluene | ND | ND | ND | ND | ND | 12 | μg/m3 |
| Dibromochloromethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2-Dibromo-3-chloropropane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2-Dibromoethane (EDB) | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Dibromomethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2- Dichlorobenzene | ND | ND | ND | ND | ND | 16 | μg/m3 |
| 1,3-Dichlorobenzene | ND | ND | ND | ND | ND | 16 | μg/m3 |
| 1,4-Dichlorobenzene | ND | ND | ND | ND | ND | 16 | μg/m3 |
| Dichlorodifluoromethane | ND | ND | ND | ND | ND | 32 | μg/m3 |
| 1,1-Dichloroethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2-Dichloroethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,1-Dichloroethene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| cis-1,2-Dichloroethene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| trans-1,2-Dichloroethene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2-Dichloropropane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,3-Dichloropropane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 2,2-Dichloropropane | ND | ND | ND | ND | ND | 16 | μg/m3 |
| 1,1-Dichloropropene | ND | ND | ND | ND | ND | 10 | $\mu g/m3$ |

| EPA 8260B – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics | | | | | | | | | | |
|---|------------|------------|------------|------------|----------------|-----------------|--------------|--|--|--|
| Sample ID: | SV1-5' | SV1-15' | SV2-5' | SV2-15' | SV2-15' REP | | | | | |
| Jones ID: | E-1172-01 | E-1172-02 | E-1172-03 | E-1172-04 | E-1172-05 | Reporting Limit | <u>Units</u> | | | |
| Analytes: | N.D. | N.D. | N.I.D. | ND |) ID | 0 | , 2 | | | |
| cis-1,3-Dichloropropene | ND | ND | ND | ND | ND | 8 | μg/m3 | | | |
| trans-1,3-Dichloropropene | ND | ND | ND | ND | ND | 8 | μg/m3 | | | |
| Ethylbenzene | ND | ND | ND | ND | ND | 8 | μg/m3 | | | |
| Freon 113 | ND | ND | ND | ND | ND | 16 | μg/m3 | | | |
| Hexachlorobutadiene | ND | ND | ND | ND | ND | 24 | μg/m3 | | | |
| Isopropylbenzene | ND | 57 | ND | ND | ND | 8 | μg/m3 | | | |
| 4-Isopropyltoluene | ND | 321 | ND | ND | ND | 8 | μg/m3 | | | |
| Methylene chloride | ND | 20 ND | ND | 17 ND | 26 | 8 | μg/m3 | | | |
| Naphthalene | ND | ND | ND | ND | ND | 40 | μg/m3 | | | |
| n-Propylbenzene | ND | ND | ND | ND | ND | 8 | μg/m3 | | | |
| Styrene | ND | ND | ND | ND | ND | 8 | μg/m3 | | | |
| 1,1,2-Tetrachloroethane | ND | ND | ND | ND | ND | 8 | μg/m3 | | | |
| 1,1,2,2-Tetrachloroethane | ND | ND | ND | ND | ND | 16 | μg/m3 | | | |
| Tetrachloroethene | ND | ND | ND | ND | ND | 8 | μg/m3 | | | |
| Toluene | ND | 16 | ND | ND | ND | 8 | μg/m3 | | | |
| 1,2,3-Trichlorobenzene | ND | ND | ND | ND | ND | 16 | μg/m3 | | | |
| 1,2,4-Trichlorobenzene | ND | ND | ND | ND | ND | 16 | μg/m3 | | | |
| 1,1,1-Trichloroethane | ND | ND | ND | ND | ND | 8 | μg/m3 | | | |
| 1,1,2-Trichloroethane | ND | ND | ND | ND | ND | 8 | μg/m3 | | | |
| Trichloroethene | ND | ND | ND | ND | ND | 8 | μg/m3 | | | |
| Trichlorofluoromethane | ND | ND | ND | ND | ND | 32 | μg/m3 | | | |
| 1,2,3-Trichloropropane | ND ND | ND ND | ND ND | ND ND | ND ND | 8 | μg/m3 | | | |
| 1,2,4-Trimethylbenzene | | | | | | 8 | μg/m3 | | | |
| 1,3,5-Trimethylbenzene | ND ND | ND ND | ND ND | ND ND | ND ND | 8 | μg/m3 | | | |
| Vinyl chloride | | | | | | 8 | μg/m3 | | | |
| m,p-Xylene | ND ND | ND ND | ND ND | ND ND | ND ND | 16 | μg/m3 | | | |
| o-Xylene | | ND ND | | | | 8 | μg/m3 | | | |
| MTBE | ND | ND | ND | ND | ND | 40 | μg/m3 | | | |
| Ethyl-tert-butylether | ND ND | ND ND | ND ND | ND ND | ND ND | 40 40 | μg/m3 | | | |
| Di-isopropylether | ND ND | ND ND | ND ND | ND ND | ND ND | 40 | μg/m3 | | | |
| tert-amylmethylether | ND ND | ND ND | | | | | μg/m3 | | | |
| tert-Butylalcohol | | | ND | ND | ND | 400 | μg/m3 | | | |
| Gasoline Range Organics (C4-C12) | ND | 25000 | ND | ND | ND | 2000 | μg/m3 | | | |
| Tracer: | ND | NID | NID | ND | NID | 00 | / 2 | | | |
| n-Pentane | ND | ND | ND | ND | ND | 80 | μg/m3 | | | |
| n-Hexane | ND | ND | ND | ND | ND | 80 | μg/m3 | | | |
| n-Heptane | ND | ND | ND | ND | ND | 80 | μg/m3 | | | |
| Dilution Factor | 1 | 1 | 1 | 1 | 1 | | | | | |
| Surrogate Recoveries: | | | | | | QC Limit | | | | |
| Dibromofluoromethane | 104% | 101% | 102% | 101% | 100% | 60 - 140 | | | | |
| Toluene-d ₈ | 94% | 95% | 94% | 92% | 93% | 60 - 140 | | | | |
| 4-Bromofluorobenzene | 94% | 97% | 94% | 92% | 92% | 60 - 140 | | | | |
| Batch ID: | E3-072721- | E3-072721- | E3-072721- | E3-072721- | E3-072721- | | | | | |
| Davii ID. | 01 | 01 | 01 | 01 | 01 | | | | | |

ND = Value below reporting limit

11007 FOREST PLACE 714-449-9937 SANTA FE SPRINGS, CA 90670 562-646-1611 WWW.JONESENV.COM

JONES ENVIRONMENTAL LABORATORY RESULTS

Mearns Consulting Group Report date: Client: 738 Ashland Avenue, Jones Ref. No.: **Client Address:**

SV3-15'

Santa Monica CA 90405

Susan L Mearns PhD Attn: **Date Sampled:** 7/27/2021

> **Date Received:** 7/27/2021 7/27/2021 Date Analyzed:

7/27/2021

E-1172

Town Center Northwest **Project:** 2690 Walnut Ave **Physical State:** Soil Gas **Project Address:**

Signal Hill, CA

SV3-5'

Sample ID:

EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

SV4-15'

SV5-5'

SV4-5'

Jones ID: E-1172-06 E-1172-07 E-1172-08 E-1172-09 E-1172-10 **Reporting Limit Units Analytes:** Benzene ND ND ND ND ND 8 $\mu g/m3$ 8 ND ND ND ND ND Bromobenzene $\mu g/m3$ 8 Bromodichloromethane ND ND ND ND ND $\mu g/m3$ Bromoform ND ND ND ND ND 8 $\mu g/m3$ 12 n-Butylbenzene ND ND ND ND ND $\mu g/m3$ sec-Butylbenzene ND ND ND ND ND 12 $\mu g/m3$ tert-Butylbenzene 12 ND ND ND ND ND μg/m3 Carbon tetrachloride ND ND ND ND ND 8 $\mu g/m3$ 8 Chlorobenzene ND ND ND ND ND $\mu g/m3$ ND ND 8 Chloroform ND ND ND $\mu g/m3$ 2-Chlorotoluene ND ND ND ND ND 12 $\mu g/m3$ ND ND 12 4-Chlorotoluene ND ND ND $\mu g/m3$ 8 Dibromochloromethane ND ND ND ND ND μg/m3 8 1,2-Dibromo-3-chloropropane ND ND ND ND ND $\mu g/m3$ 1,2-Dibromoethane (EDB) ND ND ND ND ND 8 $\mu g/m3$ 8 Dibromomethane ND ND ND ND ND $\mu g/m3$ 1.2- Dichlorobenzene ND ND ND ND ND 16 $\mu g/m3$ 1,3-Dichlorobenzene ND ND ND ND ND 16 $\mu g/m3$ 1,4-Dichlorobenzene ND ND ND ND ND 16 $\mu g/m3$ Dichlorodifluoromethane ND ND ND 32 ND ND $\mu g/m3$ 8 1,1-Dichloroethane ND ND ND ND ND $\mu g/m3$ 8 1,2-Dichloroethane ND ND ND ND ND $\mu g/m3$ ND ND ND ND ND 8 1.1-Dichloroethene $\mu g/m3$ 8 ND ND ND ND ND cis-1,2-Dichloroethene $\mu g/m3$ 8 trans-1,2-Dichloroethene ND ND ND ND ND $\mu g/m3$ 8 1,2-Dichloropropane ND ND ND ND ND $\mu g/m3$ 8 1,3-Dichloropropane ND ND ND ND ND $\mu g/m3$ ND ND ND ND ND 16 $\mu g/m3$ 2,2-Dichloropropane 1,1-Dichloropropene ND ND ND ND ND 10 $\mu g/m3$

| EPA 8260B - V | Volatile Organics by | GC/MS + Oxygenates/ | Gasoline Range Organics |
|---------------|----------------------|---------------------|-------------------------|
|---------------|----------------------|---------------------|-------------------------|

| Sample ID: | SV3-5' | SV3-15' | SV4-5' | SV4-15' | SV5-5' | | |
|----------------------------------|------------|------------|------------|------------|------------|-----------------|--------------|
| Jones ID: | E-1172-06 | E-1172-07 | E-1172-08 | E-1172-09 | E-1172-10 | Reporting Limit | <u>Units</u> |
| Analytes: | | | | | | | |
| cis-1,3-Dichloropropene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| trans-1,3-Dichloropropene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Ethylbenzene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Freon 113 | ND | ND | ND | ND | ND | 16 | μg/m3 |
| Hexachlorobutadiene | ND | ND | ND | ND | ND | 24 | μg/m3 |
| Isopropylbenzene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 4-Isopropyltoluene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Methylene chloride | ND | 8 | ND | ND | ND | 8 | μg/m3 |
| Naphthalene | ND | ND | ND | ND | ND | 40 | μg/m3 |
| n-Propylbenzene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Styrene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,1,1,2-Tetrachloroethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,1,2,2-Tetrachloroethane | ND | ND | ND | ND | ND | 16 | μg/m3 |
| Tetrachloroethene | 18 | 17 | 22 | 12 | ND | 8 | μg/m3 |
| Toluene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2,3-Trichlorobenzene | ND | ND | ND | ND | ND | 16 | μg/m3 |
| 1,2,4-Trichlorobenzene | ND | ND | ND | ND | ND | 16 | μg/m3 |
| 1,1,1-Trichloroethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,1,2-Trichloroethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Trichloroethene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Trichlorofluoromethane | ND | ND | ND | ND | ND | 32 | μg/m3 |
| 1,2,3-Trichloropropane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2,4-Trimethylbenzene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,3,5-Trimethylbenzene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Vinyl chloride | ND | ND | ND | ND | ND | 8 | μg/m3 |
| m,p-Xylene | ND | ND | ND | ND | ND | 16 | μg/m3 |
| o-Xylene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| MTBE | ND | ND | ND | ND | ND | 40 | μg/m3 |
| Ethyl-tert-butylether | ND | ND | ND | ND | ND | 40 | μg/m3 |
| Di-isopropylether | ND | ND | ND | ND | ND | 40 | μg/m3 |
| tert-amylmethylether | ND | ND | ND | ND | ND | 40 | μg/m3 |
| tert-Butylalcohol | ND | ND | ND | ND | ND | 400 | μg/m3 |
| Gasoline Range Organics (C4-C12) | ND | ND | ND | ND | ND | 2000 | $\mu g/m3$ |
| Tracer: | | | | | | | |
| n-Pentane | ND | ND | ND | ND | ND | 80 | μg/m3 |
| n-Hexane | ND | ND | ND | ND | ND | 80 | μg/m3 |
| n-Heptane | ND | ND | ND | ND | ND | 80 | μg/m3 |
| Dilution Factor | 1 | 1 | 1 | 1 | 1 | | |
| Surrogate Recoveries: | | | | | | QC Limi | <u>ts</u> |
| Dibromofluoromethane | 104% | 102% | 104% | 100% | 106% | 60 - 140 | |
| Toluene-d ₈ | 93% | 94% | 93% | 92% | 93% | 60 - 140 | |
| 4-Bromofluorobenzene | 93% | 92% | 94% | 93% | 92% | 60 - 140 | |
| | E3-072721- | E3-072721- | E3-072721- | E3-072721- | E3-072721- | | |
| Batch ID: | 01 | 01 | 01 | 01 | 01 | | |

ND = Value below reporting limit

714-449-9937 11007 FOREST PLACE SANTA FE SPRINGS, CA 90670 WWW.JONESENV.COM

JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Mearns Consulting Group Report date: 7/27/2021
Client Address: 738 Ashland Avenue, Jones Ref. No.: E-1172

Santa Monica CA 90405

Attn: Susan L Mearns PhD Date Sampled: 7/27/2021

Date Received: 7/27/2021 **Date Analyzed:** 7/27/2021

Project:Town Center NorthwestDaProject Address:2690 Walnut AvePh

SV6-5'

Physical State: Soil Gas

Signal Hill, CA

SV5-15'

Sample ID:

EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

SV7-5'

SV7-15'

SV6-15'

| <u></u> | | | | | | | |
|-----------------------------|-----------|-----------|-----------|-----------|-----------|-----------------|--------------|
| Jones ID: | E-1172-11 | E-1172-12 | E-1172-13 | E-1172-14 | E-1172-15 | Reporting Limit | <u>Units</u> |
| Analytes: | | | | | | | |
| Benzene | ND | ND | 243 | ND | 8850 | 8 | $\mu g/m3$ |
| Bromobenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Bromodichloromethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Bromoform | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| n-Butylbenzene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| sec-Butylbenzene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| tert-Butylbenzene | ND | ND | ND | ND | ND | 12 | μg/m3 |
| Carbon tetrachloride | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Chlorobenzene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Chloroform | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 2-Chlorotoluene | ND | ND | ND | ND | ND | 12 | μg/m3 |
| 4-Chlorotoluene | ND | ND | ND | ND | ND | 12 | μg/m3 |
| Dibromochloromethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2-Dibromo-3-chloropropane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2-Dibromoethane (EDB) | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Dibromomethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2- Dichlorobenzene | ND | ND | ND | ND | ND | 16 | μg/m3 |
| 1,3-Dichlorobenzene | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| 1,4-Dichlorobenzene | ND | ND | ND | ND | ND | 16 | μg/m3 |
| Dichlorodifluoromethane | ND | ND | ND | ND | ND | 32 | $\mu g/m3$ |
| 1,1-Dichloroethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dichloroethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,1-Dichloroethene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| cis-1,2-Dichloroethene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| trans-1,2-Dichloroethene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2-Dichloropropane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,3-Dichloropropane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 2,2-Dichloropropane | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| 1,1-Dichloropropene | ND | ND | ND | ND | ND | 10 | $\mu g/m3$ |

| EPA 8260B – Volatile O | Organics by GC/MS | + Oxygenates/Gasoline | Range Organics |
|------------------------|-------------------|-----------------------|----------------|
|------------------------|-------------------|-----------------------|----------------|

| Sample ID: | SV5-15' | SV6-5' | SV6-15' | SV7-5' | SV7-15' | | |
|----------------------------------|------------|------------|------------|------------|------------|-----------------|--------------|
| Jones ID: | E-1172-11 | E-1172-12 | E-1172-13 | E-1172-14 | E-1172-15 | Reporting Limit | <u>Units</u> |
| Analytes: | | | | | | | |
| cis-1,3-Dichloropropene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| trans-1,3-Dichloropropene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Ethylbenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Freon 113 | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| Hexachlorobutadiene | ND | ND | ND | ND | ND | 24 | $\mu g/m3$ |
| Isopropylbenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 4-Isopropyltoluene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Methylene chloride | 9 | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Naphthalene | ND | ND | ND | ND | ND | 40 | $\mu g/m3$ |
| n-Propylbenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Styrene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,1,1,2-Tetrachloroethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,1,2,2-Tetrachloroethane | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| Tetrachloroethene | ND | 17 | 8 | ND | ND | 8 | $\mu g/m3$ |
| Toluene | ND | ND | ND | ND | 4210 | 8 | $\mu g/m3$ |
| 1,2,3-Trichlorobenzene | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| 1,2,4-Trichlorobenzene | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| 1,1,1-Trichloroethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,1,2-Trichloroethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Trichloroethene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Trichlorofluoromethane | ND | ND | ND | ND | ND | 32 | $\mu g/m3$ |
| 1,2,3-Trichloropropane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2,4-Trimethylbenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,3,5-Trimethylbenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Vinyl chloride | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| m,p-Xylene | ND | ND | ND | ND | 799 | 16 | $\mu g/m3$ |
| o-Xylene | ND | ND | ND | ND | 441 | 8 | $\mu g/m3$ |
| MTBE | ND | ND | ND | ND | ND | 40 | $\mu g/m3$ |
| Ethyl-tert-butylether | ND | ND | ND | ND | ND | 40 | $\mu g/m3$ |
| Di-isopropylether | ND | ND | ND | ND | ND | 40 | $\mu g/m3$ |
| tert-amylmethylether | ND | ND | ND | ND | ND | 40 | $\mu g/m3$ |
| tert-Butylalcohol | ND | ND | ND | ND | ND | 400 | μg/m3 |
| Gasoline Range Organics (C4-C12) | ND | ND | 317000 | ND | 46300000 | 2000 | $\mu g/m3$ |
| Tracer: | | | | | | | |
| n-Pentane | ND | ND | ND | ND | ND | 80 | $\mu g/m3$ |
| n-Hexane | ND | ND | ND | ND | ND | 80 | μg/m3 |
| n-Heptane | ND | ND | ND | ND | ND | 80 | $\mu g/m3$ |
| Dilution Factor | 1 | 1 | 1 | 1 | 30 | | |
| Surrogate Recoveries: | | | | | | QC Limit | <u>ts</u> |
| Dibromofluoromethane | 102% | 100% | 97% | 100% | 97% | 60 - 140 | |
| Toluene-d ₈ | 95% | 92% | 101% | 93% | 97% | 60 - 140 | |
| 4-Bromofluorobenzene | 94% | 94% | 91% | 93% | 96% | 60 - 140 | |
| | E3-072721- | E3-072721- | E3-072721- | E3-072721- | E3-072721- | | |
| Batch ID: | 01 | 01 | 01 | 01 | 01 | | |

ND = Value below reporting limit

Mearns Consulting Group Report date: 7/27/2021 **Client:** 738 Ashland Avenue, Jones Ref. No.: E-1172 **Client Address:**

Santa Monica CA 90405

Susan L Mearns PhD **Date Sampled:** 7/27/2021 Attn:

> **Date Received:** 7/27/2021 **Date Analyzed:** 7/27/2021

Project: Town Center Northwest **Project Address:** 2690 Walnut Ave **Physical State:** Soil Gas

Signal Hill, CA

EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample ID: SV8-5' SV8-15' SV9-5'

| Jones ID: | E-1172-16 | E-1172-17 | E-1172-18 | Reporting Limit | <u>Units</u> |
|-----------------------------|-----------|-----------|-----------|-----------------|--------------|
| Analytes: | | | | | |
| Benzene | 20 | ND | ND | 8 | $\mu g/m3$ |
| Bromobenzene | ND | ND | ND | 8 | $\mu g/m3$ |
| Bromodichloromethane | ND | ND | ND | 8 | $\mu g/m3$ |
| Bromoform | ND | ND | ND | 8 | $\mu g/m3$ |
| n-Butylbenzene | ND | ND | ND | 12 | $\mu g/m3$ |
| sec-Butylbenzene | ND | ND | ND | 12 | $\mu g/m3$ |
| tert-Butylbenzene | ND | ND | ND | 12 | $\mu g/m3$ |
| Carbon tetrachloride | ND | ND | ND | 8 | $\mu g/m3$ |
| Chlorobenzene | ND | ND | ND | 8 | $\mu g/m3$ |
| Chloroform | ND | ND | ND | 8 | $\mu g/m3$ |
| 2-Chlorotoluene | ND | ND | ND | 12 | $\mu g/m3$ |
| 4-Chlorotoluene | ND | ND | ND | 12 | $\mu g/m3$ |
| Dibromochloromethane | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dibromo-3-chloropropane | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dibromoethane (EDB) | ND | ND | ND | 8 | $\mu g/m3$ |
| Dibromomethane | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2- Dichlorobenzene | ND | ND | ND | 16 | $\mu g/m3$ |
| 1,3-Dichlorobenzene | ND | ND | ND | 16 | $\mu g/m3$ |
| 1,4-Dichlorobenzene | ND | ND | ND | 16 | $\mu g/m3$ |
| Dichlorodifluoromethane | ND | ND | ND | 32 | $\mu g/m3$ |
| 1,1-Dichloroethane | ND | ND | ND | 8 | μg/m3 |
| 1,2-Dichloroethane | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,1-Dichloroethene | ND | ND | ND | 8 | $\mu g/m3$ |
| cis-1,2-Dichloroethene | ND | ND | ND | 8 | μg/m3 |
| trans-1,2-Dichloroethene | ND | ND | ND | 8 | μg/m3 |
| 1,2-Dichloropropane | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,3-Dichloropropane | ND | ND | ND | 8 | μg/m3 |
| 2,2-Dichloropropane | ND | ND | ND | 16 | μg/m3 |
| 1,1-Dichloropropene | ND | ND | ND | 10 | $\mu g/m3$ |

EPA 8260B – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

| Sample ID: | SV8-5' | SV8-15' | SV9-5' | | |
|----------------------------------|------------|------------|------------|---------------------|------------|
| Jones ID: | E-1172-16 | E-1172-17 | E-1172-18 | Reporting Limit Uni | <u>its</u> |
| Analytes: | | | | | |
| cis-1,3-Dichloropropene | ND | ND | ND | 8 $\mu g/r$ | m3 |
| trans-1,3-Dichloropropene | ND | ND | ND | 8 μg/r | m3 |
| Ethylbenzene | ND | ND | ND | 8 $\mu g/r$ | m3 |
| Freon 113 | ND | ND | ND | 16 μg/r | m3 |
| Hexachlorobutadiene | ND | ND | ND | 24 μg/r | m3 |
| Isopropylbenzene | ND | ND | ND | 8 μg/r | m3 |
| 4-Isopropyltoluene | ND | ND | ND | 8 μg/r | m3 |
| Methylene chloride | ND | ND | ND | 8 μg/r | m3 |
| Naphthalene | ND | ND | ND | $40 	 \mu g/r$ | m3 |
| n-Propylbenzene | ND | ND | ND | 8 μg/r | m3 |
| Styrene | ND | ND | ND | 8 μg/r | m3 |
| 1,1,1,2-Tetrachloroethane | ND | ND | ND | 8 μg/r | m3 |
| 1,1,2,2-Tetrachloroethane | ND | ND | ND | 16 μg/r | m3 |
| Tetrachloroethene | 23 | ND | ND | 8 μg/r | m3 |
| Toluene | 15 | ND | ND | 8 μg/r | m3 |
| 1,2,3-Trichlorobenzene | ND | ND | ND | 16 μg/r | m3 |
| 1,2,4-Trichlorobenzene | ND | ND | ND | 16 μg/r | m3 |
| 1,1,1-Trichloroethane | ND | ND | ND | 8 μg/r | m3 |
| 1,1,2-Trichloroethane | ND | ND | ND | 8 μg/r | |
| Trichloroethene | ND | ND | ND | 8 μg/r | |
| Trichlorofluoromethane | ND | ND | ND | 32 µg/r | |
| 1,2,3-Trichloropropane | ND | ND | ND | 8 μg/r | |
| 1,2,4-Trimethylbenzene | ND | ND | ND | 8 μg/r | |
| 1,3,5-Trimethylbenzene | ND | ND | ND | 8 μg/r | |
| Vinyl chloride | ND | ND | ND | 8 μg/r | |
| m,p-Xylene | ND | ND | ND | 16 µg/r | |
| o-Xylene | ND | ND | ND | 8 μg/r | |
| MTBE | ND | ND | ND | 40 μg/r | |
| Ethyl-tert-butylether | ND | ND | ND | 40 μg/r | |
| Di-isopropylether | ND | ND | ND | 40 μg/r | |
| tert-amylmethylether | ND | ND | ND | 40 μg/r | |
| tert-Butylalcohol | ND | ND | ND | 400 μg/r | |
| Gasoline Range Organics (C4-C12) | ND | ND | ND | 2000 μg/r | m3 |
| Tracer: | | | | | |
| n-Pentane | ND | ND | ND | 80 μg/r | m3 |
| n-Hexane | ND | ND | ND | 80 μg/r | |
| n-Heptane | ND | ND | ND | 80 μg/r | |
| Dilution Factor | 1 | 1 | 1 | | |
| Surrogate Recoveries: | | | | OC Limits | |
| Dibromofluoromethane | 95% | 96% | 95% | 60 - 140 | |
| Toluene-d ₈ | 94% | 92% | 93% | 60 - 140 | |
| 4-Bromofluorobenzene | 95% | 96% | 94% | 60 - 140 | |
| D / L ID | E3-072721- | E3-072721- | E3-072721- | | |
| Batch ID: | 01 | 01 | 01 | | |

ND = Value below reporting limit

714-449-9937 562-646-1611 11007 FOREST PLACE SANTA FE SPRINGS, CA 90670 WWW.JONESENV.COM

JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client: Mearns Consulting Group Report date: 7/27/2021
Client Address: 738 Ashland Avenue, Jones Ref. No.: E-1172

Santa Monica CA 90405

Attn: Susan L Mearns PhD Date Sampled: 7/27/2021

Date Received: 7/27/2021 **Date Analyzed:** 7/27/2021

Project:Town Center NorthwestDate Analyzed:7/27/2021Project Address:2690 Walnut AvePhysical State:Soil Gas

Signal Hill, CA

EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

| Sample ID: | METHOD BLANK | SAMPLING BLANK | | |
|-----------------------------|------------------|-------------------|-----------------|--------------|
| Jones ID: | 072721- E3MB1 | 072721- E3SB1 | Reporting Limit | <u>Units</u> |
| Analytes: | | | | |
| Benzene | ND | ND | 8 | $\mu g/m3$ |
| Bromobenzene | ND | ND | 8 | $\mu g/m3$ |
| Bromodichloromethane | ND | ND | 8 | $\mu g/m3$ |
| Bromoform | ND | ND | 8 | $\mu g/m3$ |
| n-Butylbenzene | ND | ND | 12 | $\mu g/m3$ |
| sec-Butylbenzene | ND | ND | 12 | $\mu g/m3$ |
| tert-Butylbenzene | ND | ND | 12 | $\mu g/m3$ |
| Carbon tetrachloride | ND | ND | 8 | $\mu g/m3$ |
| Chlorobenzene | ND | ND | 8 | $\mu g/m3$ |
| Chloroform | ND | ND | 8 | $\mu g/m3$ |
| 2-Chlorotoluene | ND | ND | 12 | $\mu g/m3$ |
| 4-Chlorotoluene | ND | ND | 12 | $\mu g/m3$ |
| Dibromochloromethane | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dibromo-3-chloropropane | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dibromoethane (EDB) | ND | ND | 8 | $\mu g/m3$ |
| Dibromomethane | ND | ND | 8 | $\mu g/m3$ |
| 1,2- Dichlorobenzene | ND | ND | 16 | $\mu g/m3$ |
| 1,3-Dichlorobenzene | ND | ND | 16 | $\mu g/m3$ |
| 1,4-Dichlorobenzene | ND | ND | 16 | $\mu g/m3$ |
| Dichlorodifluoromethane | ND | ND | 32 | $\mu g/m3$ |
| 1,1-Dichloroethane | ND | ND | 8 | μg/m3 |
| 1,2-Dichloroethane | ND | ND | 8 | μg/m3 |
| 1,1-Dichloroethene | ND | ND | 8 | $\mu g/m3$ |
| cis-1,2-Dichloroethene | ND | ND | 8 | μg/m3 |
| trans-1,2-Dichloroethene | ND | ND | 8 | μg/m3 |
| 1,2-Dichloropropane | ND | ND | 8 | μg/m3 |
| 1,3-Dichloropropane | ND | ND | 8 | μg/m3 |
| 2,2-Dichloropropane | ND | ND | 16 | μg/m3 |
| 1,1-Dichloropropene | ND | ND | 10 | μg/m3 |

JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

| EPA 8260B – Volatile Organi | cs by GC/MS + (| Oxygenates/Gasoline | Range Organics |
|-----------------------------|-----------------|---------------------|----------------|
|-----------------------------|-----------------|---------------------|----------------|

| Sample ID: | METHOD BLANK | SAMPLING BLANK | | |
|----------------------------------|------------------|-------------------|-------------------|-------------|
| Jones ID: | 072721- E3MB1 | 072721- E3SB1 | Reporting Limit U | <u>nits</u> |
| Analytes: | | | | |
| cis-1,3-Dichloropropene | ND | ND | | g/m3 |
| trans-1,3-Dichloropropene | ND | ND | 8 μg | g/m3 |
| Ethylbenzene | ND | ND | | g/m3 |
| Freon 113 | ND | ND | 16 μg | g/m3 |
| Hexachlorobutadiene | ND | ND | | g/m3 |
| Isopropylbenzene | ND | ND | · - | g/m3 |
| 4-Isopropyltoluene | ND | ND | | g/m3 |
| Methylene chloride | ND | ND | | g/m3 |
| Naphthalene | ND | ND | | g/m3 |
| n-Propylbenzene | ND | ND | | g/m3 |
| Styrene | ND | ND | | g/m3 |
| 1,1,1,2-Tetrachloroethane | ND | ND | | g/m3 |
| 1,1,2,2-Tetrachloroethane | ND | ND | 16 μg | g/m3 |
| Tetrachloroethene | ND | ND | | g/m3 |
| Toluene | ND | ND | 8 μg | g/m3 |
| 1,2,3-Trichlorobenzene | ND | ND | 16 μg | g/m3 |
| 1,2,4-Trichlorobenzene | ND | ND | | g/m3 |
| 1,1,1-Trichloroethane | ND | ND | | g/m3 |
| 1,1,2-Trichloroethane | ND | ND | | g/m3 |
| Trichloroethene | ND | ND | | g/m3 |
| Trichlorofluoromethane | ND | ND | | g/m3 |
| 1,2,3-Trichloropropane | ND | ND | | g/m3 |
| 1,2,4-Trimethylbenzene | ND | ND | | g/m3 |
| 1,3,5-Trimethylbenzene | ND | ND | 8 μg | g/m3 |
| Vinyl chloride | ND | ND | 8 μg | g/m3 |
| m,p-Xylene | ND | ND | 16 μg | g/m3 |
| o-Xylene | ND | ND | | g/m3 |
| MTBE | ND | ND | 40 μg | g/m3 |
| Ethyl-tert-butylether | ND | ND | 40 μg | g/m3 |
| Di-isopropylether | ND | ND | 40 μg | g/m3 |
| tert-amylmethylether | ND | ND | 40 μg | g/m3 |
| tert-Butylalcohol | ND | ND | 400 μg | g/m3 |
| Gasoline Range Organics (C4-C12) | ND | ND | 2000 μg | g/m3 |
| Tracer: | | | | |
| n-Pentane | ND | ND | 80 μg | g/m3 |
| n-Hexane | ND | ND | 80 μg | g/m3 |
| n-Heptane | ND | ND | 80 µg | g/m3 |
| Dilution Factor | 1 | 1 | | |
| Surrogate Recoveries: | | | OC Limits | |
| Dibromofluoromethane | 106% | 100% | 60 - 140 | |
| Toluene-d ₈ | 96% | 96% | 60 - 140 | |
| 4-Bromofluorobenzene | 93% | 95% | 60 - 140 | |
| Batch ID: | E3-072721- | E3-072721- | | |
| Datell ID. | 01 | 01 | | |

ND = Value below reporting limit

JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client: Mearns Consulting Group Report date: 7/27/2021
Client Address: 738 Ashland Avenue, Jones Ref. No.: E-1172

Client Address: 738 Ashland Avenue, Santa Monica CA 90405

Attn: Susan L Mearns PhD Date Sampled: 7/27/2021

Project: Town Center Northwest Date Analyzed: 7/27/2021
Project Address: 2690 Walnut Ave Physical State: Soil Gas

Project Address: 2690 Walnut Ave Signal Hill, CA

EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

QC ID: E3-072721-01

| Jones ID: | 072721-E3LCS1 | 072721-E3LCSD1 | | 07 | 72721-E3CC | V1 |
|----------------------------------|---------------|----------------|------------|---------------|------------|---------------|
| | LCS | LCSD | | Acceptability | | Acceptability |
| <u>Parameter</u> | Recovery (%) | Recovery (%) | <u>RPD</u> | Range (%) | <u>CCV</u> | Range (%) |
| Vinyl chloride | 121% | 114% | 5.7% | 60 - 140 | 109% | 80 - 120 |
| 1,1-Dichloroethene | 110% | 101% | 8.1% | 60 - 140 | 80% | 80 - 120 |
| Cis-1,2-Dichloroethene | 105% | 102% | 3.5% | 70 - 130 | 86% | 80 - 120 |
| 1,1,1-Trichloroethane | 98% | 104% | 6.6% | 70 - 130 | 85% | 80 - 120 |
| Benzene | 113% | 119% | 4.9% | 70 - 130 | 101% | 80 - 120 |
| Trichloroethene | 115% | 119% | 3.7% | 70 - 130 | 101% | 80 - 120 |
| Toluene | 104% | 109% | 4.2% | 70 - 130 | 97% | 80 - 120 |
| Tetrachloroethene | 116% | 114% | 2.0% | 70 - 130 | 97% | 80 - 120 |
| Chlorobenzene | 109% | 113% | 3.7% | 70 - 130 | 95% | 80 - 120 |
| Ethylbenzene | 99% | 108% | 9.2% | 70 - 130 | 94% | 80 - 120 |
| 1,2,4 Trimethylbenzene | 92% | 93% | 1.2% | 70 - 130 | 87% | 80 - 120 |
| Gasoline Range Organics (C4-C12) | 102% | 107% | 5.0% | 70 - 130 | 95% | 80 - 120 |
| Surrogate Recovery: | | | | | | |
| Dibromofluoromethane | 102% | 102% | | 60 - 140 | 100% | 60 - 140 |
| Toluene-d ₈ | 97% | 96% | | 60 - 140 | 95% | 60 - 140 |
| 4-Bromofluorobenzene | 96% | 96% | | 60 - 140 | 97% | 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%



11007 Forest Pl. Senia Fe Springs, CA 90670 (714) 449-9937 Fax (714) 449-9885 week foresteny COM

Soil-Gas Chain-of-Custody Record

| Client Mearns Consulting Group Project Mane Town Center Northwest | | | | | Date 7/27/202 Glient Project if | Purge Number: Rep 1P)(3P n 7P n 10P EDF*- Shut-in Test: Y/ N 'Globel | | | | | | | Surc | | Jones Project # E-1172 | | |
|---|-----------------|--------------------------|-----------------|------------------------------|--|---|--|-----------|----------------------------|-------------------|--------------|--|------|-----------------------|------------------------|---|------------------------------|
| Polec Address 2690 Walnut Ave Signal Hill, CA | | | | | Turn Around Requested in Immediate Attention Rush 24 Hours Rush 46 Hours Rush 72 Hours Normal Mobile Lab Reporting Limits | | Tracer Itn-pentane It n-hexane Itn-heptane Isopropyl Alchohol In-heptane | | 1.0 | | Organica | Rec | quec | (In/H ₂ O) | | Page 1 of 2 Semple Container: GASTIGHT GLASS SYRINGE Fallinger than above, see lines. | |
| Report To Susan L Mearns PhD | en vi | Sampler Casey | Ellis | ' | | MStandard of | Low Level* surcharge for | | Unite LQ/m ^S | e Meduto: | 8280B (VOCs) | e Range O | | | Netic Vacuum | r of Contain | |
| Sample ID | Purge Number | Purge Volume (ml.) | Dete | Bample Collection Time | Sample Analysis Time | Laboratory Sample ID | Purge Rate (mL/min) | Pump Used | Magnehelic | Semple Sel Ges | 1 % | Gesolin | | | Magne | Mumbe | Notes & Special instructions |
| SV1-6' | 3 | 1310 | 7/27/21 | 7:54 | 7:56 | E-1172-01 | 200 | CASEY.1 | 118012 | SG | х | x | | | <2 | 1 | |
| SV1-15' | 3 | 1470 | 7/27/21 | 8:12 | 8.14 | E-1172-02 | 200 | CASEY.2 | M100.114 | SG | х | x | | | 8 | .1 | - |
| SV2-6" | 3 | 1310 | <i>7/</i> 27/21 | 8:30 | 6:32 | E-1172-03 | 200 | CASEY.1 | M100.201 | SG | х | x | | | 6 | 1, | |
| SV2-15 | 3 | 1470 | 7/27/21 | 8:51 | 8:52 | E-1172-04 | 200 | CASEY.2 | M100.203 | SG | x | x | | | <2 | 1 | |
| SV2-15 REP | 3 | 1470 | 7/27/21 | 10:05 | 10:06 | E-1172-05 | 200 | CASEY.2 | M100.203 | €G | х | х | | | <2 | 1 | |
| SV3-5 | 3 | 1310 | 7/27/21 | 9:24 | 9:27 | E-1172-06 | 200 | CASEY.1 | 118012 | SG | X | x | | | <2 | 1 | |
| SV3-15' | 3 | 1470 | 7/27/21 | 9:43 | 9:46 | E-1172-07 | 200 | CASEY.2 | M100.114 | SG | × | x | | | <2 | 1 | |
| \$V4-5' | 3 | 1310 | 7/27/21 | 10:24 | 10:26 | E-1172-08 | 200 | CASEY.1 | M100.201 | SG | X | X | | | ₹2 | 1 | |
| SV4-15' | 3 | 1470 | 7/27/21 | 10:42 | 10:44 | E-1172-09 | 200 | CASEY.2 | M100.203 | SG | x | Х | · | | Ą | 1 | - |
| SV5-5 | 3 | 1310 | 7/27/21 | 11:01 | 11:03 | E-1172-10 | 200 | CASEY.1 | 118012 | SG | x | х | | | <2 | 1 | |
| Representative Signature | | Printed Na SUSAN ME | ••• | • | | Laberatory Signature | SIL | | | eed Na EY EL | | | | | | 10 | Total Humber of Containers |
| Company Date Time Mearns Consulting Group 7/27/2021 14:30 Representative Signature Printed Name | | | | k30 | Company JONES ENVIRONMENT/ Laboratory Signature | Date Time 7/27/2021 14:30 Printed Name | | | | | | Client algorature on this Chain of Custody form constitutes acknowledgement that the above analyses have been regasted, and the information provided herein is correct | | | | | |
| Company | | Date | | Time | | Company | | | Deti | • | | Ť | rne | ***** | | 1 | and accurate. |



11007 Forest Pt. Santa Fe Springe, CA 90870 (714) 448-9937 Fax (714) 449-9885 www.jonesenv.com

Soil-Gas Chain-of-Custody Record

| Cliens Mearns Consulting Group Project Name Town Center Northwest Project Address | | | | · · · · · · · · · · · · · · · · · · · | Date 7/27/202 Citient Project 9 | Pi a 1P) Shut | Report Options EDD EDF* - 10% Surcharge | | | | | | | | FONLY Projec E-11 | | | | | | | |
|--|--------------------|--------------------------|---------------|---------------------------------------|--|--|---|--|----------------------------------|--|-----------|------------------|--|-----|------------------------------------|---------------|---------|----------|--------------------|--|---------|---|
| 2690 Walnut Ave Signal Hill, CA Sinal Phone | | Sampler | | | | Turn Around Re Immediate Atten Rush 24 Hours Rush 48 Hours Rush 72 Hours Normal (Mobile Lab Reportin | tion g Limits Low Level* | tr-penti tr-head vr-hepti a leoproj a 1,1-DF | rie irie iyl Alchohol A | e (Medición: 80), As (A), alamata (M) | (NOCe) | Range Organics & | Re | que | illo Viscuum (InMI ₂ O) | Containers | | | GASTIG | Of Container: HT GLASS S then shows a | | • |
| Susan L Mearns PhD Sample 1D | Purge (function | Purpo Vetures (mL) | EIIIS Date | Sample Collection Time | Sample Analysis Time | Laboratory Sample ID | Purge Rate (mL/min) | Pump Used | Magnobolic | Barnepte M Bol Gas (84), | EPA 62606 | Gasoline R | | | Magneheli | Number of | | Not | № & S p | nciel instr | actions | |
| SV5-15' | 3 | 1470 | 7/27/21 | | 11:21 | E-1172-11 | 200 | CASEY.2 | M100.114 | SG | | х | | | <2 | 1 | | | | | | |
| S V6-5' | 3 | 1310 | 7/27/21 | 11:36 | 11:40 | E-1172-12 | 200 | CASEY.1 | M100.201 | SG | x | х | | | <2 | 1 | | | | | | |
| SV6-15' | 3 | 1470 | 7/27/21 | 11:57 | 12:00 | E-1172-13 | 200 | CASEY.2 | M100.203 | SG | x | x | | | <2 | 1 | | | | | | |
| SV7-5' | 3 | 1310 | 7/27/21 | 12:08 | 12:18 | E-1172-14 | 200 | CASEY.1 | 118012 | SG | x | х | | | <2 | 1 | | | | | | |
| SV7-15 | 3 % | 1470 | 7/27/21 | 12:34 | 12:38 | E-1172-15 | 200 | CASEY.2 | M100.114 | SG | x | x | | | <2 | 1 | | <u> </u> | | | | |
| SV8-5 | 3 | 1310 | 7/27/21 | 12:55 | 12:57 | E-1172-16 | 200 | CASEY.1 | M100.201 | ŞG | × | x | | | <2 | 1 | | | | | | |
| SV8-15' | 3 | 1470 | 7/27/21 | 13:13 | 13:16 | E-1172-17 | 200 | CASEY.2 | M100.203 | SG | × | x | | | 8 | 1 | | | | | | |
| SV9-5' | 3 | 1310 | 7/27/21 | 13:54 | 13:56 | E-1172-18 | 200 | CASEY.1 | 118012 | SG | × | х | | | <2 | 1 | | | | | | |
| | | | | | | | | | | Ü | | | | | | | | | | | | |
| SV7-15' DIL | 1 - | | 7/27/21 | 13:32 | 13:37 | - | - | - | M100.114 | SG | × | × | | | <2 | 1 | | | | | | |
| Paper material from the state of the state o | <u> </u> | Printed Na SUSAN ME | | <u> </u> | <u>. </u> | Labopatory Signature | Ch | | CAS | eed Na EY EU | | | | | | 9 | Total N | lumbe | r of Conta | hers | | |
| Company Date Time Mearus Consulting Group 7/27/2021 14:30 Representative Signature Printed Name | | | | 4:30 | Company JONES ENVIRONMENTAL, INC. Laboratory Signature | | | Sate Time 7/27/2021 14:30 Printed Name | | | | | Client signature on this Chain of Custody form constitutes admovisedgement that the above analyses have been requited, and the information provided herein is correct. | | | | | | | | | |
| Company Date Time | | | | | | Costpany Date | | | | | Time | | | | | and accurate. | | | | | | |



714-449-9937 11007 FOREST PLACE SANTA FE SPRINGS, CA 90670 WWW.JONESENV.COM

JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Mearns Consulting Group Report date:

Client Address: 738 Ashland Avenue, Jones Ref. No.: E-1173

Santa Monica CA 90405

Attn: Susan L Mearns PhD Date Sampled: 7/28/2021

Date Received: 7/28/2021 **Date Analyzed:** 7/28/2021

7/28/2021

Project:Town Center NorthwestDate Analyzed:7/28/202Project Address:2690 Walnut AvePhysical State:Soil Gas

Signal Hill, CA

Physical State: Soil C

ANALYSES REQUESTED

EPA 8260B – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sampling - Soil Gas samples were collected in glass gas-tight syringes equipped with Teflon plungers.

A tracer gas mixture of n-pentane, n-hexane, and n-heptane was placed at the tubing-surface interface before sampling. These compounds were analyzed during the 8260B analytical run to determine if there were surface leaks into the subsurface due to improper installation of the probe. No tracer was detected in any of the samples reported herein.

The sampling rate was approximately 200 cc/min, except when noted differently on the chain of custody record, using a glass gas-tight syringe. Purging was completed using a pump set at approximately 200 cc/min, except when noted differently on the chain of custody record. A default of 3 purge volumes was used as recommended by July 2015 DTSC/RWOCB guidance documents.

Prior to purging and sampling of soil gas at each point, a shut-in test was conducted to check for leaks in the above ground fittings. The shut-in test was performed on the above ground apparatus by evacuating the line to a vacuum of 100 inches of water, sealing the entire system and watching the vacuum for at least one minute. A vacuum gauge attached in parallel to the apparatus measured the vacuum. If there was any observable loss of vacuum, the fittings were adjusted as needed until the vacuum did not change noticeably. The soil gas sample was then taken.

No flow conditions occur when a sampling rate greater than 10 mL/min cannot be maintained without applying a vacuum greater than 100 inches of water to the sampling train. The sampling train is left at a vacuum for no less than three minutes. If the vacuum does not subside appreciably after three minutes, the sample location is determined to be a no flow sample.

Analytical – Soil Gas samples were analyzed using EPA Method 8260 that includes extra compounds required by DTSC/RWQCB (such as Freon 113). Instrument Continuing Calibration Verification, QC Reference Standards, Instrument Blanks and Sampling Blanks were analyzed every 12 hours as prescribed by the method. In addition, a Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) were analyzed with each batch of Soil Gas samples. A duplicate/replicate sample was analyzed each day of the sampling activity. All samples were injected into the GC/MS system within 30 minutes of collection.

Approval:

Annalise O'Toole Mobile Lab Manager

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Mearns Consulting Group Report date: 7/28/2021
Client Address: 738 Ashland Avenue, Jones Ref. No.: E-1173

Santa Monica CA 90405

Attn: Susan L Mearns PhD Date Sampled: 7/28/2021

Date Received: 7/28/2021 **Date Analyzed:** 7/28/2021

Soil Gas

Project:Town Center NorthwestDate Analyzed:Project Address:2690 Walnut AvePhysical State:

Signal Hill, CA

EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

| Sample ID: | SV9-15' | SV9-15' REP | SV10-5' | SV10-15' | SV11-5' | | |
|-----------------------------|-----------|----------------|-----------|-----------|-----------|-----------------|--------------|
| Jones ID: | E-1173-01 | E-1173-02 | E-1173-03 | E-1173-04 | E-1173-05 | Reporting Limit | <u>Units</u> |
| Analytes: | | | | | | | |
| Benzene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Bromobenzene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Bromodichloromethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Bromoform | ND | ND | ND | ND | ND | 8 | μg/m3 |
| n-Butylbenzene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| sec-Butylbenzene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| tert-Butylbenzene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| Carbon tetrachloride | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Chlorobenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Chloroform | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 2-Chlorotoluene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| 4-Chlorotoluene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| Dibromochloromethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dibromo-3-chloropropane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dibromoethane (EDB) | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Dibromomethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2- Dichlorobenzene | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| 1,3-Dichlorobenzene | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| 1,4-Dichlorobenzene | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| Dichlorodifluoromethane | ND | ND | ND | ND | ND | 32 | $\mu g/m3$ |
| 1,1-Dichloroethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dichloroethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,1-Dichloroethene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| cis-1,2-Dichloroethene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| trans-1,2-Dichloroethene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dichloropropane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,3-Dichloropropane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 2,2-Dichloropropane | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| 1,1-Dichloropropene | ND | ND | ND | ND | ND | 10 | $\mu g/m3$ |

| EPA 8260B – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics | | | | | | | | | | | | |
|---|------------------|------------------|------------------|------------------|------------------|-----------------|--------------|--|--|--|--|--|
| Sample ID: | SV9-15' | SV9-15' REP | SV10-5' | SV10-15' | SV11-5' | | | | | | | |
| Jones ID: | E-1173-01 | E-1173-02 | E-1173-03 | E-1173-04 | E-1173-05 | Reporting Limit | <u>Units</u> | | | | | |
| Analytes: | | | | | | | | | | | | |
| cis-1,3-Dichloropropene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ | | | | | |
| trans-1,3-Dichloropropene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ | | | | | |
| Ethylbenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ | | | | | |
| Freon 113 | ND | ND | ND | ND | ND | 16 | μg/m3 | | | | | |
| Hexachlorobutadiene | ND | ND | ND | ND | ND | 24 | $\mu g/m3$ | | | | | |
| Isopropylbenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ | | | | | |
| 4-Isopropyltoluene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ | | | | | |
| Methylene chloride | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ | | | | | |
| Naphthalene | ND | ND | ND | ND | ND | 40 | $\mu g/m3$ | | | | | |
| n-Propylbenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ | | | | | |
| Styrene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ | | | | | |
| 1,1,1,2-Tetrachloroethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ | | | | | |
| Tetrachloroethene | 34 | 34 | 9 | 8 | 24 | 8 | $\mu g/m3$ | | | | | |
| Toluene | 13 | 14 | ND | ND | ND | 8 | $\mu g/m3$ | | | | | |
| 1,2,3-Trichlorobenzene | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ | | | | | |
| 1,2,4-Trichlorobenzene | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ | | | | | |
| 1,1,1-Trichloroethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ | | | | | |
| 1,1,2-Trichloroethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ | | | | | |
| Trichloroethene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ | | | | | |
| Trichlorofluoromethane | ND | ND | ND | ND | ND | 32 | $\mu g/m3$ | | | | | |
| 1,2,3-Trichloropropane | ND | ND | ND | ND | ND | 8 | μg/m3 | | | | | |
| 1,2,4-Trimethylbenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ | | | | | |
| 1,3,5-Trimethylbenzene | ND | ND | ND | ND | ND | 8 | μg/m3 | | | | | |
| Vinyl chloride | ND | ND | ND | ND | ND | 8 | μg/m3 | | | | | |
| m,p-Xylene | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ | | | | | |
| o-Xylene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ | | | | | |
| MTBE | ND | ND | ND | ND | ND | 40 | μg/m3 | | | | | |
| Ethyl-tert-butylether | ND | ND | ND | ND | ND | 40 | μg/m3 | | | | | |
| Di-isopropylether | ND | ND | ND | ND | ND | 40 | μg/m3 | | | | | |
| tert-amylmethylether | ND | ND | ND | ND | ND | 40 | μg/m3 | | | | | |
| tert-Butylalcohol | ND | ND | ND | ND | ND | 400 | μg/m3 | | | | | |
| Gasoline Range Organics (C4-C12) | ND | ND | ND | ND | ND | 2000 | μg/m3 | | | | | |
| Tracer: | | | | | | | | | | | | |
| n-Pentane | ND | ND | ND | ND | ND | 80 | μg/m3 | | | | | |
| n-Hexane | ND | ND | ND | ND | ND | 80 | $\mu g/m3$ | | | | | |
| n-Heptane | ND | ND | ND | ND | ND | 80 | $\mu g/m3$ | | | | | |
| Dilution Factor | 1 | 1 | 1 | 1 | 1 | | | | | | | |
| Surrogate Recoveries: | | | | | | QC Limit | t <u>s</u> | | | | | |
| Dibromofluoromethane | 114%^ | 119%^ | 108% | 123%^ | 107% | 60 - 140 | | | | | | |
| Toluene-d ₈ | 103% | 104% | 89% | 102% | 89% | 60 - 140 | | | | | | |
| 4-Bromofluorobenzene | 108% | @ | 97% | 108% | 96% | 60 - 140 | | | | | | |
| Batch ID: | E2-072821- 01 | E2-072821- 01 | E3-072821- 01 | E2-072821- 01 | E3-072821- 01 | | | | | | | |
| | 01 | 01 | 01 | 01 | 01 | | | | | | | |

ND = Value below reporting limit

^{@=} Surrogate outside acceptable limits. All other QC parameters in control, therefore data was accepted.

^{^ = 1,2-}dichloroethane-d4 used as surrogate for this batch.

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JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Mearns Consulting Group Report date: 7/28/2021
Client Address: 738 Ashland Avenue, Jones Ref. No.: E-1173

Santa Monica CA 90405

Attn: Susan L Mearns PhD Date Sampled: 7/28/2021

Date Received: 7/28/2021 **Date Analyzed:** 7/28/2021

Project:Town Center NorthwestDate Analyzed:7/28/202Project Address:2690 Walnut AvePhysical State:Soil Gas

Signal Hill, CA

EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

| Sample ID: | SV11-15' | SV12-5' | SV12-15' | SV13-5' | SV13-5' REP | | |
|-----------------------------|-----------|-----------|-----------|-----------|----------------|-----------------|--------------|
| Jones ID: | E-1173-06 | E-1173-07 | E-1173-08 | E-1173-09 | E-1173-10 | Reporting Limit | <u>Units</u> |
| Analytes: | | | | | | | |
| Benzene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Bromobenzene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Bromodichloromethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Bromoform | ND | ND | ND | ND | ND | 8 | μg/m3 |
| n-Butylbenzene | ND | ND | ND | ND | ND | 12 | μg/m3 |
| sec-Butylbenzene | ND | ND | ND | ND | ND | 12 | μg/m3 |
| tert-Butylbenzene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| Carbon tetrachloride | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Chlorobenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Chloroform | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 2-Chlorotoluene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| 4-Chlorotoluene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| Dibromochloromethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dibromo-3-chloropropane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dibromoethane (EDB) | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Dibromomethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2- Dichlorobenzene | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| 1,3-Dichlorobenzene | ND | ND | ND | ND | ND | 16 | μg/m3 |
| 1,4-Dichlorobenzene | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| Dichlorodifluoromethane | ND | ND | ND | ND | ND | 32 | μg/m3 |
| 1,1-Dichloroethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2-Dichloroethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,1-Dichloroethene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| cis-1,2-Dichloroethene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| trans-1,2-Dichloroethene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2-Dichloropropane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,3-Dichloropropane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 2,2-Dichloropropane | ND | ND | ND | ND | ND | 16 | μg/m3 |
| 1,1-Dichloropropene | ND | ND | ND | ND | ND | 10 | $\mu g/m3$ |

EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics SV13-5' SV11-15' SV12-5' SV12-15' SV13-5' Sample ID: REP Jones ID: E-1173-06 E-1173-07 E-1173-08 E-1173-09 E-1173-10 **Reporting Limit Units Analytes:** ND ND ND ND ND 8 cis-1,3-Dichloropropene $\mu g/m3$ 8 trans-1,3-Dichloropropene ND ND ND ND ND $\mu g/m3$ Ethylbenzene ND ND ND ND ND 8 $\mu g/m3$ 16 Freon 113 ND ND ND ND ND $\mu g/m3$ Hexachlorobutadiene ND ND ND ND ND 24 $\mu g/m3$ 8 Isopropylbenzene ND ND ND ND ND $\mu g/m3$ ND ND 8 $\mu g/m3$ 4-Isopropyltoluene ND ND ND 8 Methylene chloride ND ND ND ND ND $\mu g/m3$ $\mu g/m3$ Naphthalene ND ND ND ND ND 40 8 n-Propylbenzene ND ND ND ND ND $\mu g/m3$ Styrene ND ND ND ND ND 8 $\mu g/m3$ ND ND ND ND ND 8 1,1,1,2-Tetrachloroethane $\mu g/m3$ 1,1,2,2-Tetrachloroethane ND ND ND ND ND 16 $\mu g/m3$ Tetrachloroethene ND 8 9 16 25 8 $\mu g/m3$ ND ND 8 ND ND ND $\mu g/m3$ Toluene 1,2,3-Trichlorobenzene ND ND ND ND ND 16 $\mu g/m3$ 1,2,4-Trichlorobenzene ND ND ND ND ND 16 $\mu g/m3$ 1,1,1-Trichloroethane ND ND ND ND ND 8 $\mu g/m3$ 8 1,1,2-Trichloroethane ND ND ND ND ND $\mu g/m3$ Trichloroethene ND ND ND ND ND 8 $\mu g/m3$ Trichlorofluoromethane ND 32 ND ND ND ND $\mu g/m3$ 8 1.2.3-Trichloropropane ND ND ND ND ND $\mu g/m3$ 1,2,4-Trimethylbenzene ND ND ND ND ND 8 $\mu g/m3$ 1,3,5-Trimethylbenzene 8 ND ND ND ND ND $\mu g/m3$ Vinyl chloride ND ND ND ND ND 8 $\mu g/m3$ ND 16 m,p-Xylene ND ND ND ND $\mu g/m3$ o-Xylene ND ND ND ND ND 8 $\mu g/m3$ **MTBE** ND ND ND ND ND 40 $\mu g/m3$ 40 Ethyl-tert-butylether ND ND ND ND ND $\mu g/m3$ Di-isopropylether 40 ND ND ND ND ND $\mu g/m3$ tert-amylmethylether ND ND ND ND ND 40 $\mu g/m3$ tert-Butylalcohol ND ND ND ND ND 400 $\mu g/m3$ Gasoline Range Organics (C4-C12) ND ND ND ND ND 2000 μg/m3 Tracer: ND ND ND ND ND 80 n-Pentane $\mu g/m3$ ND ND ND ND ND 80 n-Hexane $\mu g/m3$ ND ND ND ND ND 80 $\mu g/m3$ n-Heptane **Dilution Factor** 1 1 1 1 1 **QC** Limits **Surrogate Recoveries:** 60 - 140 Dibromofluoromethane 122%^ 105% 124%^ 106% 108% Toluene-d₈ 105% 87% 102% 87% 88% 60 - 1404-Bromofluorobenzene 107% 97% 105% 96% 96% 60 - 140

ND = Value below reporting limit

Batch ID:

E2-072821-

01

E3-072821-

01

E2-072821-

01

E3-072821-

01

E3-072821-

01

 $^{^{\}land}$ = 1,2-dichloroethane-d4 used as surrogate for this batch.

714-449-9937 562-646-1611 11007 FOREST PLACE SANTA FE SPRINGS, CA 90670 WWW.JONESENV.COM

JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Mearns Consulting Group Report date: 7/28/2021
Client Address: 738 Ashland Avenue, Jones Ref. No.: E-1173

Santa Monica CA 90405

Town Center Northwest

SV14-5'

Attn: Susan L Mearns PhD Date Sampled: 7/28/2021

Date Received: 7/28/2021 **Date Analyzed:** 7/28/2021

Soil Gas

Physical State:

Project Address: 2690 Walnut Ave

Project:

Sample ID:

Signal Hill, CA

SV13-15'

EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

SV15-5'

SV15-15'

SV14-15'

| <u></u> | | | | | | | |
|-----------------------------|-----------|-----------|-----------|-----------|-----------|-----------------|--------------|
| Jones ID: | E-1173-11 | E-1173-12 | E-1173-13 | E-1173-14 | E-1173-15 | Reporting Limit | <u>Units</u> |
| Analytes: | | | | | | | |
| Benzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Bromobenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Bromodichloromethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Bromoform | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| n-Butylbenzene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| sec-Butylbenzene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| tert-Butylbenzene | ND | ND | ND | ND | ND | 12 | μg/m3 |
| Carbon tetrachloride | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Chlorobenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Chloroform | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 2-Chlorotoluene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| 4-Chlorotoluene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| Dibromochloromethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dibromo-3-chloropropane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2-Dibromoethane (EDB) | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Dibromomethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2- Dichlorobenzene | ND | ND | ND | ND | ND | 16 | μg/m3 |
| 1,3-Dichlorobenzene | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| 1,4-Dichlorobenzene | ND | ND | ND | ND | ND | 16 | μg/m3 |
| Dichlorodifluoromethane | ND | ND | ND | ND | ND | 32 | $\mu g/m3$ |
| 1,1-Dichloroethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2-Dichloroethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,1-Dichloroethene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| cis-1,2-Dichloroethene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| trans-1,2-Dichloroethene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dichloropropane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,3-Dichloropropane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 2,2-Dichloropropane | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| 1,1-Dichloropropene | ND | ND | ND | ND | ND | 10 | $\mu g/m3$ |

EPA 8260B – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

| Sample ID: | SV13-15' | SV14-5' | SV14-15' | SV15-5' | SV15-15' | | |
|----------------------------------|------------|------------|------------|------------|------------|-----------------|--------------|
| Jones ID: | E-1173-11 | E-1173-12 | E-1173-13 | E-1173-14 | E-1173-15 | Reporting Limit | <u>Units</u> |
| Analytes: | | | | | | | |
| cis-1,3-Dichloropropene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| trans-1,3-Dichloropropene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Ethylbenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Freon 113 | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| Hexachlorobutadiene | ND | ND | ND | ND | ND | 24 | $\mu g/m3$ |
| Isopropylbenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 4-Isopropyltoluene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Methylene chloride | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Naphthalene | ND | ND | ND | ND | ND | 40 | $\mu g/m3$ |
| n-Propylbenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Styrene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,1,1,2-Tetrachloroethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,1,2,2-Tetrachloroethane | ND | ND | ND | ND | ND | 16 | μg/m3 |
| Tetrachloroethene | ND | 10 | ND | 37 | 29 | 8 | μg/m3 |
| Toluene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2,3-Trichlorobenzene | ND | ND | ND | ND | ND | 16 | μg/m3 |
| 1,2,4-Trichlorobenzene | ND | ND | ND | ND | ND | 16 | μg/m3 |
| 1,1,1-Trichloroethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,1,2-Trichloroethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Trichloroethene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Trichlorofluoromethane | ND | ND | ND | ND | ND | 32 | μg/m3 |
| 1,2,3-Trichloropropane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2,4-Trimethylbenzene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,3,5-Trimethylbenzene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Vinyl chloride | ND | ND | ND | ND | ND | 8 | μg/m3 |
| m,p-Xylene | ND | ND | ND | ND | ND | 16 | μg/m3 |
| o-Xylene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| MTBE | ND | ND | ND | ND | ND | 40 | μg/m3 |
| Ethyl-tert-butylether | ND | ND | ND | ND | ND | 40 | μg/m3 |
| Di-isopropylether | ND | ND | ND | ND | ND | 40 | μg/m3 |
| tert-amylmethylether | ND | ND | ND | ND | ND | 40 | μg/m3 |
| tert-Butylalcohol | ND | ND | ND | ND | ND | 400 | μg/m3 |
| Gasoline Range Organics (C4-C12) | ND | ND | ND | ND | ND | 2000 | μg/m3 |
| Tracer: | | | | | | | |
| n-Pentane | ND | ND | ND | ND | ND | 80 | $\mu g/m3$ |
| n-Hexane | ND | ND | ND | ND | ND | 80 | $\mu g/m3$ |
| n-Heptane | ND | ND | ND | ND | ND | 80 | μg/m3 |
| Dilution Factor | 1 | 1 | 1 | 1 | 1 | | |
| Surrogate Recoveries: | | | | | | QC Limit | t <u>s</u> |
| Dibromofluoromethane | 126%^ | 108% | 123%^ | 105% | 119%^ | 60 - 140 | |
| Toluene-d ₈ | 106% | 85% | 102% | 86% | 101% | 60 - 140 | |
| 4-Bromofluorobenzene | 106% | 98% | 104% | 95% | 82% | 60 - 140 | |
| Dotah IDa | E2-072821- | E3-072821- | E2-072821- | E3-072821- | E2-072821- | | |
| Batch ID: | 01 | 01 | 01 | 01 | 01 | | |

 $^{^{\}wedge}$ = 1,2-dichloroethane-d4 used as surrogate for this batch.

Client: Mearns Consulting Group Report date: 7/28/2021
Client Address: 738 Ashland Avenue, Jones Ref. No.: E-1173

Santa Monica CA 90405

SV16-15'

Attn: Susan L Mearns PhD Date Sampled: 7/28/2021

Date Received: 7/28/2021 **Date Analyzed:** 7/28/2021

Project:Town Center NorthwestDate Analyzed:7/28/2021Project Address:2690 Walnut AvePhysical State:Soil Gas

Signal Hill, CA

SV16-5'

Sample ID:

EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

SV17-15'

SV18-5'

SV17-5'

| Sample 1D. | 57105 | 5110 13 | 51175 | 5117 15 | 5 10 5 | | |
|-----------------------------|-----------|-----------|-----------|-----------|-----------|-----------------|--------------|
| Jones ID: | E-1173-16 | E-1173-17 | E-1173-18 | E-1173-19 | E-1173-20 | Reporting Limit | <u>Units</u> |
| Analytes: | | | | | | | |
| Benzene | ND | 27 | ND | ND | ND | 8 | $\mu g/m3$ |
| Bromobenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Bromodichloromethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Bromoform | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| n-Butylbenzene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| sec-Butylbenzene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| tert-Butylbenzene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| Carbon tetrachloride | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Chlorobenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Chloroform | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 2-Chlorotoluene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| 4-Chlorotoluene | ND | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| Dibromochloromethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dibromo-3-chloropropane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dibromoethane (EDB) | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Dibromomethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2- Dichlorobenzene | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| 1,3-Dichlorobenzene | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| 1,4-Dichlorobenzene | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| Dichlorodifluoromethane | ND | ND | ND | ND | ND | 32 | $\mu g/m3$ |
| 1,1-Dichloroethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dichloroethane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,1-Dichloroethene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| cis-1,2-Dichloroethene | ND | 51 | ND | ND | ND | 8 | $\mu g/m3$ |
| trans-1,2-Dichloroethene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dichloropropane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,3-Dichloropropane | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 2,2-Dichloropropane | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| 1,1-Dichloropropene | ND | ND | ND | ND | ND | 10 | $\mu g/m3$ |

EPA 8260B – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

| Sample ID: | SV16-5' | SV16-15' | SV17-5' | SV17-15' | SV18-5' | | |
|----------------------------------|------------|------------|------------|------------|------------|-----------------|--------------|
| Jones ID: | E-1173-16 | E-1173-17 | E-1173-18 | E-1173-19 | E-1173-20 | Reporting Limit | <u>Units</u> |
| Analytes: | | | | | | | |
| cis-1,3-Dichloropropene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| trans-1,3-Dichloropropene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Ethylbenzene | ND | 74 | ND | ND | ND | 8 | $\mu g/m3$ |
| Freon 113 | ND | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| Hexachlorobutadiene | ND | ND | ND | ND | ND | 24 | $\mu g/m3$ |
| Isopropylbenzene | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 4-Isopropyltoluene | ND | 16 | ND | ND | ND | 8 | $\mu g/m3$ |
| Methylene chloride | ND | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Naphthalene | ND | 41 | ND | ND | ND | 40 | μg/m3 |
| n-Propylbenzene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Styrene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,1,1,2-Tetrachloroethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,1,2,2-Tetrachloroethane | ND | ND | ND | ND | ND | 16 | μg/m3 |
| Tetrachloroethene | 15 | 18 | 32 | 10 | 13 | 8 | μg/m3 |
| Toluene | ND | 44 | ND | ND | ND | 8 | μg/m3 |
| 1,2,3-Trichlorobenzene | ND | ND | ND | ND | ND | 16 | μg/m3 |
| 1,2,4-Trichlorobenzene | ND | ND | ND | ND | ND | 16 | μg/m3 |
| 1,1,1-Trichloroethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,1,2-Trichloroethane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Trichloroethene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Trichlorofluoromethane | ND | ND | ND | ND | ND | 32 | μg/m3 |
| 1,2,3-Trichloropropane | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2,4-Trimethylbenzene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| 1,3,5-Trimethylbenzene | ND | ND | ND | ND | ND | 8 | μg/m3 |
| Vinyl chloride | ND | ND | ND | ND | ND | 8 | μg/m3 |
| m,p-Xylene | ND | 287 | ND | ND | ND | 16 | μg/m3 |
| o-Xylene | ND | 84 | ND | ND | ND | 8 | μg/m3 |
| MTBE | ND | ND | ND | ND | ND | 40 | μg/m3 |
| Ethyl-tert-butylether | ND | ND | ND | ND | ND | 40 | μg/m3 |
| Di-isopropylether | ND | ND | ND | ND | ND | 40 | μg/m3 |
| tert-amylmethylether | ND | ND | ND | ND | ND | 40 | μg/m3 |
| tert-Butylalcohol | ND | ND | ND | ND | ND | 400 | μg/m3 |
| Gasoline Range Organics (C4-C12) | ND | 46800 | ND | ND | ND | 2000 | $\mu g/m3$ |
| Tracer: | | | | | | | |
| n-Pentane | ND | ND | ND | ND | ND | 80 | $\mu g/m3$ |
| n-Hexane | ND | ND | ND | ND | ND | 80 | μg/m3 |
| n-Heptane | ND | ND | ND | ND | ND | 80 | μg/m3 |
| Dilution Factor | 1 | 1 | 1 | 1 | 1 | | |
| Surrogate Recoveries: | | | | | | QC Limit | t <u>s</u> |
| Dibromofluoromethane | 112% | 124%^ | 108% | 121%^ | 106% | 60 - 140 | |
| Toluene-d ₈ | 86% | 101% | 85% | 99% | 86% | 60 - 140 | |
| 4-Bromofluorobenzene | 97% | 114% | 96% | 104% | 97% | 60 - 140 | |
| D / L ID | E3-072821- | E2-072821- | E3-072821- | E2-072821- | E3-072821- | | |
| Batch ID: | 01 | 01 | 01 | 01 | 01 | | |

 $^{^{\}wedge}$ = 1,2-dichloroethane-d4 used as surrogate for this batch.

714-449-9937 11007 FOREST PLACE SANTA FE SPRINGS, CA 90670 WWW.JONESENV.COM

JONES ENVIRONMENTAL LABORATORY RESULTS

Client: Mearns Consulting Group Report date: 7/28/2021

Client Address: 738 Ashland Avenue, Jones Ref. No.: E-1173

Santa Monica CA 90405

Attn: Susan L Mearns PhD Date Sampled: 7/28/2021

Town Center Northwest

Date Received: 7/28/2021

Date Analyzed: 7/28/2021

Project Address: 2690 Walnut Ave Physical State: Soil Gas

Signal Hill, CA

EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

Sample ID: SV18-15' SV19-5'

Project:

| Jones ID: | E-1173-21 | E-1173-22 | Reporting Limit | <u>Units</u> |
|-----------------------------|-----------|-----------|-----------------|--------------|
| Analytes: | | | | |
| Benzene | 1150 | 18 | 8 | $\mu g/m3$ |
| Bromobenzene | ND | ND | 8 | $\mu g/m3$ |
| Bromodichloromethane | ND | ND | 8 | $\mu g/m3$ |
| Bromoform | ND | ND | 8 | $\mu g/m3$ |
| n-Butylbenzene | ND | 649 | 12 | $\mu g/m3$ |
| sec-Butylbenzene | ND | 2380 | 12 | $\mu g/m3$ |
| tert-Butylbenzene | ND | ND | 12 | $\mu g/m3$ |
| Carbon tetrachloride | ND | ND | 8 | $\mu g/m3$ |
| Chlorobenzene | ND | ND | 8 | $\mu g/m3$ |
| Chloroform | ND | ND | 8 | $\mu g/m3$ |
| 2-Chlorotoluene | ND | ND | 12 | $\mu g/m3$ |
| 4-Chlorotoluene | ND | ND | 12 | $\mu g/m3$ |
| Dibromochloromethane | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dibromo-3-chloropropane | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dibromoethane (EDB) | ND | ND | 8 | $\mu g/m3$ |
| Dibromomethane | ND | ND | 8 | $\mu g/m3$ |
| 1,2- Dichlorobenzene | ND | ND | 16 | $\mu g/m3$ |
| 1,3-Dichlorobenzene | ND | ND | 16 | $\mu g/m3$ |
| 1,4-Dichlorobenzene | ND | ND | 16 | $\mu g/m3$ |
| Dichlorodifluoromethane | ND | ND | 32 | $\mu g/m3$ |
| 1,1-Dichloroethane | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dichloroethane | ND | ND | 8 | $\mu g/m3$ |
| 1,1-Dichloroethene | ND | ND | 8 | $\mu g/m3$ |
| cis-1,2-Dichloroethene | ND | ND | 8 | $\mu g/m3$ |
| trans-1,2-Dichloroethene | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dichloropropane | ND | ND | 8 | $\mu g/m3$ |
| 1,3-Dichloropropane | ND | ND | 8 | $\mu g/m3$ |
| 2,2-Dichloropropane | ND | ND | 16 | $\mu g/m3$ |
| 1,1-Dichloropropene | ND | ND | 10 | $\mu g/m3$ |

EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

| Sample ID: | SV18-15' | SV19-5' |
|------------|----------|---------|
| | | |

| Jones ID: | E-1173-21 | E-1173-22 | Reporting Limit | <u>Units</u> |
|----------------------------------|------------|------------|-----------------|--------------|
| Analytes: | | | | |
| cis-1,3-Dichloropropene | ND | ND | 8 | μg/m3 |
| trans-1,3-Dichloropropene | ND | ND | 8 | μg/m3 |
| Ethylbenzene | 1910 | 2730 | 8 | μg/m3 |
| Freon 113 | ND | ND | 16 | μg/m3 |
| Hexachlorobutadiene | ND | ND | 24 | μg/m3 |
| Isopropylbenzene | 2490 | 4290 | 8 | μg/m3 |
| 4-Isopropyltoluene | ND | 13 | 8 | μg/m3 |
| Methylene chloride | ND | ND | 8 | μg/m3 |
| Naphthalene | 826 | 405 | 40 | μg/m3 |
| n-Propylbenzene | 2640 | 5810 | 8 | μg/m3 |
| Styrene | ND | ND | 8 | μg/m3 |
| 1,1,1,2-Tetrachloroethane | ND | ND | 8 | μg/m3 |
| 1,1,2,2-Tetrachloroethane | ND | ND | 16 | μg/m3 |
| Tetrachloroethene | ND | 42 | 8 | μg/m3 |
| Toluene | ND | 25 | 8 | μg/m3 |
| 1,2,3-Trichlorobenzene | ND | ND | 16 | μg/m3 |
| 1,2,4-Trichlorobenzene | ND | ND | 16 | μg/m3 |
| 1,1,1-Trichloroethane | ND | ND | 8 | μg/m3 |
| 1,1,2-Trichloroethane | ND | ND | 8 | μg/m3 |
| Trichloroethene | ND | ND | 8 | μg/m3 |
| Trichlorofluoromethane | ND | ND | 32 | μg/m3 |
| 1,2,3-Trichloropropane | ND | ND | 8 | μg/m3 |
| 1,2,4-Trimethylbenzene | ND | ND | 8 | μg/m3 |
| 1,3,5-Trimethylbenzene | ND | ND | 8 | μg/m3 |
| Vinyl chloride | ND | ND | 8 | μg/m3 |
| m,p-Xylene | 1720 | ND | 16 | μg/m3 |
| o-Xylene | ND | ND | 8 | μg/m3 |
| MTBE | 8610 | 121000* | 40 | μg/m3 |
| Ethyl-tert-butylether | ND | ND | 40 | μg/m3 |
| Di-isopropylether | 4780 | ND | 40 | μg/m3 |
| tert-amylmethylether | ND | ND | 40 | μg/m3 |
| tert-Butylalcohol | ND | ND | 400 | μg/m3 |
| Gasoline Range Organics (C4-C12) | 3380000 | 900000 | 2000 | μg/m3 |
| Tracer: | | | | |
| n-Pentane | ND | ND | 80 | $\mu g/m3$ |
| n-Hexane | ND | ND | 80 | $\mu g/m3$ |
| n-Heptane | ND | ND | 80 | μg/m3 |
| Dilution Factor | 12.5 | 1/3* | | |
| Surrogate Recoveries: | | | OC Limits | <u>i</u> |
| Dibromofluoromethane | 115% | 103% | 60 - 140 | • |
| Toluene-d ₈ | 106% | 115% | 60 - 140 | |
| 4-Bromofluorobenzene | 123% | • | 60 - 140 | |
| | E2-072721- | E3-072721- | | |
| Batch ID: | 01 | 01 | | |
| | | | | |

^{• =} Hydrocarbon interference prevented adequate surrogate recovery.

 $^{^{\}sim}$ = 1,2-dichloroethane-d4 used as surrogate for this batch.

^{* =} Dilutions for these compound(s); first number for all others

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JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client: Mearns Consulting Group Report date: 7/28/2021
Client Address: 738 Ashland Avenue, Jones Ref. No.: E-1173

Santa Monica CA 90405

Attn: Susan L Mearns PhD Date Sampled: 7/28/2021

Date Received: 7/28/2021
Date Analyzed: 7/28/2021
Physical State: Soil Gas

Project: Town Center Northwest
Project Address: 2690 Walnut Ave

Signal Hill, CA

EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

| Sample ID: | METHOD BLANK | SAMPLING BLANK | METHOD BLANK | SAMPLING BLANK | | |
|-----------------------------|------------------|-------------------|------------------|-------------------|-----------------|--------------|
| Jones ID: | 072821- E2MB1 | 072821- E2SB1 | 072821- E3MB1 | 072821- E3SB1 | Reporting Limit | <u>Units</u> |
| Analytes: | | | | | | |
| Benzene | ND | ND | ND | ND | 8 | μg/m3 |
| Bromobenzene | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Bromodichloromethane | ND | ND | ND | ND | 8 | μg/m3 |
| Bromoform | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| n-Butylbenzene | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| sec-Butylbenzene | ND | ND | ND | ND | 12 | μg/m3 |
| tert-Butylbenzene | ND | ND | ND | ND | 12 | $\mu g/m3$ |
| Carbon tetrachloride | ND | ND | ND | ND | 8 | μg/m3 |
| Chlorobenzene | ND | ND | ND | ND | 8 | μg/m3 |
| Chloroform | ND | ND | ND | ND | 8 | μg/m3 |
| 2-Chlorotoluene | ND | ND | ND | ND | 12 | μg/m3 |
| 4-Chlorotoluene | ND | ND | ND | ND | 12 | μg/m3 |
| Dibromochloromethane | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dibromo-3-chloropropane | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dibromoethane (EDB) | ND | ND | ND | ND | 8 | μg/m3 |
| Dibromomethane | ND | ND | ND | ND | 8 | μg/m3 |
| 1,2- Dichlorobenzene | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| 1,3-Dichlorobenzene | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| 1,4-Dichlorobenzene | ND | ND | ND | ND | 16 | μg/m3 |
| Dichlorodifluoromethane | ND | ND | ND | ND | 32 | $\mu g/m3$ |
| 1,1-Dichloroethane | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dichloroethane | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,1-Dichloroethene | ND | ND | ND | ND | 8 | μg/m3 |
| cis-1,2-Dichloroethene | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| trans-1,2-Dichloroethene | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,2-Dichloropropane | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 1,3-Dichloropropane | ND | ND | ND | ND | 8 | μg/m3 |
| 2,2-Dichloropropane | ND | ND | ND | ND | 16 | μg/m3 |
| 1,1-Dichloropropene | ND | ND | ND | ND | 10 | $\mu g/m3$ |

JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

EPA 8260B – Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

| Sample ID: | METHOD BLANK | SAMPLING BLANK | METHOD BLANK | SAMPLING BLANK | | |
|----------------------------------|------------------|-------------------|------------------|-------------------|------------------|--------------|
| Jones ID: | 072821- E2MB1 | 072821- E2SB1 | 072821- E3MB1 | 072821- E3SB1 | Reporting Limit | <u>Units</u> |
| Analytes: | | | | | | |
| cis-1,3-Dichloropropene | ND | ND | ND | ND | | $\mu g/m3$ |
| trans-1,3-Dichloropropene | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| Ethylbenzene | ND | ND | ND | ND | | $\mu g/m3$ |
| Freon 113 | ND | ND | ND | ND | 16 | $\mu g/m3$ |
| Hexachlorobutadiene | ND | ND | ND | ND | 24 | $\mu g/m3$ |
| Isopropylbenzene | ND | ND | ND | ND | 8 | $\mu g/m3$ |
| 4-Isopropyltoluene | ND | ND | ND | ND | 8 | μg/m3 |
| Methylene chloride | ND | ND | ND | ND | 8 | μg/m3 |
| Naphthalene | ND | ND | ND | ND | | μg/m3 |
| n-Propylbenzene | ND | ND | ND | ND | | μg/m3 |
| Styrene | ND | ND | ND | ND | | μg/m3 |
| 1,1,2-Tetrachloroethane | ND | ND | ND | ND | | μg/m3 |
| 1,1,2,2-Tetrachloroethane | ND | ND | ND | ND | | μg/m3 |
| Tetrachloroethene | ND | ND | ND | ND | | μg/m3 |
| Toluene | ND | ND | ND | ND | | μg/m3 |
| 1,2,3-Trichlorobenzene | ND | ND | ND | ND | | μg/m3 |
| 1,2,4-Trichlorobenzene | ND | ND | ND | ND | | μg/m3 |
| 1,1,1-Trichloroethane | ND | ND | ND | ND | | μg/m3 |
| 1,1,2-Trichloroethane | ND | ND | ND | ND ND | | μg/m3 |
| Trichloroethene | ND ND | ND | ND | ND ND | | |
| Trichlorofluoromethane | ND ND | ND | ND ND | ND ND | | μg/m3 |
| | ND ND | ND ND | ND ND | ND ND | | μg/m3 |
| 1,2,3-Trichloropropane | | | ND ND | | | μg/m3 |
| 1,2,4-Trimethylbenzene | ND | ND | | ND | | μg/m3 |
| 1,3,5-Trimethylbenzene | ND | ND | ND | ND | | $\mu g/m3$ |
| Vinyl chloride | ND | ND | ND | ND | | $\mu g/m3$ |
| m,p-Xylene | ND | ND | ND | ND | | $\mu g/m3$ |
| o-Xylene | ND | ND | ND | ND | | μg/m3 |
| MTBE | ND | ND | ND | ND | | μg/m3 |
| Ethyl-tert-butylether | ND | ND | ND | ND | | μg/m3 |
| Di-isopropylether | ND | ND | ND | ND | | μg/m3 |
| tert-amylmethylether | ND | ND | ND | ND | | μg/m3 |
| tert-Butylalcohol | ND | ND | ND | ND | 400 | μg/m3 |
| Gasoline Range Organics (C4-C12) | ND | ND | ND | ND | 2000 | $\mu g/m3$ |
| Tracer: | | | | | | |
| n-Pentane | ND | ND | ND | ND | | μg/m3 |
| n-Hexane | ND | ND | ND | ND | | μg/m3 |
| n-Heptane | ND | ND | ND | ND | 80 | μg/m3 |
| Dilution Factor | 1 | 1 | 1 | 1 | | |
| Surrogate Recoveries: | | | | | QC Limits | |
| Dibromofluoromethane | 121%^ | 114%^ | 105% | 100% | 60 - 140 | |
| Toluene-d ₈ | 100% | 104% | 93% | 90% | 60 - 140 | |
| 4-Bromofluorobenzene | 106% | 107% | 98% | 96% | 60 - 140 | |
| D (L ID | E2-072821- | E2-072821- | E3-072721- | E3-072721- | | |
| Batch ID: | 01 | 01 | 01 | 01 | | |

 $^{^{\}wedge}$ = 1,2-dichloroethane-d4 used as surrogate for this batch.

072821-E2LCS1

072821-E2CCV1

JONES ENVIRONMENTAL QUALITY CONTROL INFORMATION

Client: Mearns Consulting Group Report date: 7/28/2021
Client Address: 738 Ashland Avenue, Jones Ref. No.: E-1173

Santa Monica CA 90405

Attn: Susan L Mearns PhD Date Sampled: 7/28/2021

Town Center Northwest

2690 Walnut Ave

Date Received: 7/28/2021

Date Analyzed: 7/28/2021

Physical State: Soil Gas

Project Address: 2690 Walnut Ave Signal Hill, CA

Project:

EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

072821-E2LCSD1

Batch ID: E2-072821-01

Jones ID:

| Jones ID. | 072021-E2ECS1 | 0/2021-E2LCSD1 | | 0/2021-E2CC VI | | |
|----------------------------------|-------------------|-------------------|------|----------------|------------------|---------------|
| | LCS | LCSD | | Acceptability | | Acceptability |
| <u>Parameter</u> | Recovery (%) | Recovery (%) | RPD | Range (%) | CCV | Range (%) |
| Vinyl chloride | 142% ¹ | 151%1 | 6.2% | 60 - 140 | 50% ¹ | 80 - 120 |
| 1,1-Dichloroethene | 121% | 126% | 3.7% | 60 - 140 | 103% | 80 - 120 |
| Cis-1,2-Dichloroethene | 124% | 129% | 4.0% | 70 - 130 | 106% | 80 - 120 |
| 1,1,1-Trichloroethane | 124% | 121% | 2.5% | 70 - 130 | 112% | 80 - 120 |
| Benzene | 119% | 124% | 4.4% | 70 - 130 | 110% | 80 - 120 |
| Trichloroethene | 106% | 112% | 5.9% | 70 - 130 | 103% | 80 - 120 |
| Toluene | 120% | 128% | 6.8% | 70 - 130 | 116% | 80 - 120 |
| Tetrachloroethene | 129% | 134% ² | 3.9% | 70 - 130 | 120% | 80 - 120 |
| Chlorobenzene | 99% | 101% | 2.3% | 70 - 130 | 96% | 80 - 120 |
| Ethylbenzene | 78% | 83% | 6.3% | 70 - 130 | 87% | 80 - 120 |
| 1,2,4 Trimethylbenzene | 119% | 123% | 3.1% | 70 - 130 | 118% | 80 - 120 |
| Gasoline Range Organics (C4-C12) | 109% | 115% | 5.0% | 70 - 130 | 108% | 80 - 120 |
| Surrogate Recovery: | | | | | | |
| 1,2-Dichloroethane-d4 | 120% | 119% | | 60 - 140 | 110% | 60 - 140 |
| Toluene-d ₈ | 101% | 102% | | 60 - 140 | 102% | 60 - 140 |
| 4-Bromofluorobenzene | 105% | 105% | | 60 - 140 | 108% | 60 - 140 |

¹Recovery outside of acceptable limits. If compound was found in sample, the sample would have been re-ran for confirmation.

²Recovery outside of acceptable limits. CCV and LCS recoveries and LCS/LCSD RPD were within QC limits, therefore data was accepted.

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: Mearns Consulting Group **Report date:** 7/28/2021

738 Ashland Avenue, Jones Ref. No.: E-1173 **Client Address:**

Santa Monica CA 90405

Susan L Mearns PhD **Date Sampled:** 7/28/2021 Attn:

> **Date Received:** 7/28/2021 Town Center Northwest **Date Analyzed:** 7/28/2021 2690 Walnut Ave Physical State: Soil Gas

Project Address: Signal Hill, CA

EPA 8260B - Volatile Organics by GC/MS + Oxygenates/Gasoline Range Organics

QC ID: E3-072821-01

Project:

| Jones ID: | 072821-E3LCS1 | 072821-E3LCSD1 | | 072821-E3CCV1 | | |
|----------------------------------|---------------|----------------|------------|---------------|------|---------------|
| | LCS | LCSD | | Acceptability | | Acceptability |
| <u>Parameter</u> | Recovery (%) | Recovery (%) | <u>RPD</u> | Range (%) | CCV | Range (%) |
| Vinyl chloride | 83% | 81% | 2.2% | 60 - 140 | 100% | 80 - 120 |
| 1,1-Dichloroethene | 110% | 101% | 8.9% | 60 - 140 | 94% | 80 - 120 |
| Cis-1,2-Dichloroethene | 111% | 109% | 1.8% | 70 - 130 | 101% | 80 - 120 |
| 1,1,1-Trichloroethane | 100% | 98% | 2.4% | 70 - 130 | 99% | 80 - 120 |
| Benzene | 124% | 124% | 0.3% | 70 - 130 | 118% | 80 - 120 |
| Trichloroethene | 126% | 112% | 12.1% | 70 - 130 | 109% | 80 - 120 |
| Toluene | 104% | 103% | 1.6% | 70 - 130 | 105% | 80 - 120 |
| Tetrachloroethene | 106% | 112% | 5.8% | 70 - 130 | 103% | 80 - 120 |
| Chlorobenzene | 110% | 109% | 0.7% | 70 - 130 | 112% | 80 - 120 |
| Ethylbenzene | 103% | 99% | 4.3% | 70 - 130 | 106% | 80 - 120 |
| 1,2,4 Trimethylbenzene | 91% | 91% | 0.3% | 70 - 130 | 99% | 80 - 120 |
| Gasoline Range Organics (C4-C12) | 106% | 104% | 1.4% | 70 - 130 | 107% | 80 - 120 |
| Surrogate Recovery: | | | | | | |
| Dibromofluoromethane | 100% | 102% | | 60 - 140 | 100% | 60 - 140 |
| Toluene-d ₈ | 94% | 94% | | 60 - 140 | 93% | 60 - 140 |
| 4-Bromofluorobenzene | 97% | 100% | | 60 - 140 | 98% | 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%



11007 Forest Pl. Senta Fe Springs, CA 90670 (714) 449-9937 Fax (714) 449-9685 www.ioneseny.com

Soil-Gas Chain-of-Custody Record

| Client Mearns Consulting Grou Project Name Town Center Northwest | | : : | | | | 7/28/202 Client Project # | <u>!1</u> | o 1P : | urge Numbe \$13P ::: 7P -In Test: (Y | □ 10F | | | Re EDO (EDF* | | | | | Jones | Project E-11 | | ř |
|---|------------------|-------------------------|---------|------------------------------|-----------------------------|---|----------------------------|--|--|---------------------|--------|-------|---------------------|------|------------------|---------|------------|--------------------------------|---|------------|----|
| Project Address 2890 Walinut Ave Signel Hill, CA Grade Phone | | | | | | Turn Around Record Resh 24 Hours DRush 48 Hours DRush 72 Hours DRush 72 Hours DRush 72 Hours Rosmal | tion g Limite | n-pent it n-hexe it n-hept isoproj in 1,1-DF | ne ine był Alchohol A | Material (94) | 8 | lyel: | Rei | que | tourn (frifty.O) | tainers | | GASTIG | Of Container: IT GLASS SY than show, see | | |
| Report To Sussan L. Mearns PhD | . 1 | Sempler Casey | Eilis | | | KStandard B | Low Level* wrcharge for | n MOL* | AQ/TI ³ | 9.44E | 3 | 1 | | | , A | Q Co | | | | | |
| Semple ID | Purge Humiber | Purge Volume (mL) | Deta | Sample Collection Time | Sarupiu Analysia Timo | Laboratory Sample ID | Perge Rate (mLimin) | Pump Used | Magnehelic | Sample of Cas (d | EPA 82 | Seech | | | Magneh | P P | No | tes & Spr | olal Instru | etions | |
| SV9-15 | 3 | 1470 | 7/28/21 | 7:13 | 7:15 | E-1173-01 | 200 | CASEY.2 | M100.203 | SG | X | X | | | 10 | 1 | | | <u> </u> | | |
| SV9-15 REP | 3 | 1470 | 7/28/21 | 7:23 | 7:31 | E-1173-02 | 200 | CASEY.2 | M100.203 | SG | X. | Х | | ٠. ^ | 10 | 1 | | | | | |
| 8V10-5 | 3 | 1310 | 7/28/21 | 7:25 | 7:28 | E-1173-03 | 200 | CASEY.1 | 118012 | SG | x | x | | | <2 | 1 | | • | | | |
| SV10-15 | 3 | 1470 | 7/28/21 | 7:44 | 7:49 | E-1173-04 | 200 | CASEY.2 | M100.114 | SG | x | × | | | <2 | 1 | | | | -· · | |
| SV11.5 | 3 | 1310 | 7/28/21 | 7:41 | 7:47 | E-1173-06 | 200 | CASEY.1 | M100.201 | SG | х | x | | | <2 | 1 | | | | | |
| SV11-15' | 3 | 1470 | 7/28/21 | 8:03 | 8:07 | E-1173-08 | 200 | CASEY.2 | M100.203 | SG | × | × | | | <2 | 1 | | | | | |
| SV12-5 | 3 | 1310 | 7/28/21 | 8:00 | 8:05 | E-1173-07 | 200 | CASEY.1 | 118012 | SG | × | × | | | <2 | 1 | | | · | <u> </u> | • |
| SV12-15' | 3 | 1470 | 7/28/21 | 8:20 | 8:25 | E-1173-06 | 200 | CASEY.2 | M100.114 | SG | x | x | | | <2 | 1 | | | | | |
| SV13-5 | 3 | 1310 | 7/28/21 | 8:23 | 8:24 | E-1173-09 | 200 | CASEY.1 | M100.201 | SG | x | x | | | <2 | 1 | | | | | |
| SV13-5' REP | 3 | 1310 | 7/28/21 | 8:33 | 8:42 | E-1173-10 | 200 | CASEY.1 | M100.201 | SG | × | × | | | <2 | 1 | | | | | |
| Paper una market and fight flaure | 1 | Printed Na SUSAM ME | | <u>!</u> | <u> </u> | Laberatory Signature | 5/10 | \ | | ted Na EY EU | | | | | | 10 | Total Numi | per of Contai | nert | | |
| Company | | Date | | Time | | Company JONES ENVIRONMENTA | | | Det | 7/28/20 | 71 | Ť | ime 11 | 46 | | | | | | | |
| Meems Consulting Group . Representative Signature | | Printed Na | /2021 | | :45 | Laboratory Signature | | <u>.</u> | | ted No. | | | -11 | | | ac | knowledger | ent that the ve information | of Custody I above analys in provided h | ee have be | en |
| Company | | Date | | Time | | Company | | | Dat | • | | Ť | ree | | | 1 | | and ec | curale. | | |



11007 Forest PI Sente Fe Springs, CA 90870 (714) 449-9397 Fax (714) 449-9395 MANN IONBERTY (201

Soil-Gas Chain-of-Custody Record

| Clerk Mearns Consulting Group | | | | | Data 7/28/202 | 2 j | | urge Numbe (3P a 7P a | | | | FDF* | port 0 - 10% | | | LAB USE ONLY Jones Proje | ct# |
|--------------------------------------|--------------------------|---------|------------------------------|----------------------------|---|----------------------------|-----------|----------------------------|-------------------|-------------------|------------|------------------------|-----------------|-------|------------------|---|---|
| Project Name | | | | | Client Project # | | | | ٠ | | | (** * **). | | | | E-4 | 173 |
| Town Center Northwest | | 11111 | · | 2.3 | | 3.9 | Shut | In Test 😢 |)/ N | ĺψ. | | | M AD | * *** | | | |
| Project Address 2680 Walkisit Avo | | | | | Turn Abound Re | | | eceir | | Me | Jek | | juge j | ted | | Page | |
| Signal Hill, CA Empl | | | | | o kumadiste Atas o Rust 24 Hours o Rust 48 Hours o Rust 72 Hours | | | ria ime nyi Akthohol | | 1*. 7// | | | | ₹ | | Sample Circump | |
| | | | | | □ Normal s.Mobile Lab Reportin | g Limits | a 1,1-DF | | 8] | æ | Crostina | | | TE ES | | SATISHI GASS | - |
| Report To Susan L Mearns PhD | Sampler Casey | Ells | | | | Low Level* surcharge fo | | LO/M3 | 13 4 % S | ROBE (VOCE) | Range | | | \$ | å | 19-4-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1 | |
| Sample E3 Purps Number | Purge Volume (shL) | Date | Sample Collection Time | Sample Analysis Time | Laboratory Sample © | Purge Pide (mLimit) | Pump Vood | Magpelolic | | EPA 62 | Name D | | | 101 | Namber Name | tee & Special ins | ructions |
| SV13-15' 3 | 1470 | 7/28/21 | 8:34 | 8:43 | E-1173-11 | 200 | CASEY.2 | M100,203 | SG | X | X | | | <2 | | | |
| SV14-5' 3 | 1310 | 7/28/21 | 8:56 | 9:01 | E-1173-12 | 200 | CASEY.1 | 118012 | SG | X | X. | ¥1. | | <2 | 1 | | |
| SV14-15' 3 | 1470 | 7/28/21 | 8:57 | 9:02 | E-1173-13 | 200 | CASEY.2 | M100.114 | SG | X | × | | | <2 | 1 | | |
| SV15-5* 3 | 1310 | 7/28/21 | 9:16 | 9:19 | E-1173-14 | 200 | CASEY.1 | M100,201 | S G | X | X | | V. | 42 | 1 | | e de la companya de la companya de la companya de la companya de la companya de la companya de la companya de La companya de la companya de la companya de la companya de la companya de la companya de la companya de la co |
| SV15-15' 3 | 1470 | 7/28/21 | 9:17 | 9:20 | E-1173-15 | 200 | CASEY.2 | M100.203 | SG | X | X | ej i | | 2 | 1 | | |
| SV16-5' 3 | 1310 | 7/28/21 | 9:33 | 9:38 | E-1173-16 | 200 | CASEY.1 | 118012 | SG | X | X | | | 2 | 1 | | . · |
| SV16-15' 3 | 1470 | 7/28/21 | 9:34 | 9:39 | E-1173-17 | 200 | CASEY.2 | M100.114 | SG | X | X | | . 7,5° . k | 2 | 1 | | |
| SV17-5' 3 | 1310 | 7/28/21 | 9:52 | 9:57 | E-1173-18 | 200 | CASEY.1 | M100.201 | SG | X | х | | | <2 | 1 | | |
| SV17-15' 3 | 1470 | 7/28/21 | 9:53 | 9:58 | E-1173-19 | 200 | CASEY.2 | M100.203 | SG | x | X | | | <2 | 1 | , 14 ² | |
| SV18-5' 3 | 1310 | 7/28/21 | 10:13 | 10:16 | Ę-1173-20 | 200 | CASEY.1 | 118012 | SG | X | X | | | <2 | 1 | | |
| Representative Statesture | Printed Ne SUSAN ME | | | | Laboratory Signature | Ell | 1 | | ed Han Ey Elli | | | | | | 10 Total Num | per of Contilinaria | |
| Company Meams Consulting Group | | /2021 | Time 11 | :45 | Company JONES ENVIRONMENT/ | AL, INC. | | | 7/29/202 | | T | me 112 | 46 | | Client signature | on this Chain of Custo | ly form constitutes |
| Representative Signature Company | Printed Na Date | | Time | | Laboratory Signature Company | | | Prin | ted Nam | • | Ŧ | | | | actonowiedgen | ent that the above and is information provide and accurate. | ilyses have been |



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Soil-Gas Chain-of-Custody Record

| Client Mearns Consulting Group Project Name Town Center Northwest |) | | | | | 7/28/202 Client Project # | <u>:1</u> | o 1P | inge Numbe 163P a 7P In Test: (V | # 10f | • | | EDD EDF* | - 109 - 109 al ID | Sun | | • <u> </u> | Jones | only Project (E-117 | |
|---|---------------------------------------|-----------------------------|-------------|------------------------------|----------------------------|---|-----------------------------|--------------------------------------|--|-------------------|------------------|-------------------|-------------|-------------------------|---------------|---------------|-------------|----------------------------------|--------------------------------|---|
| Project Address 2690 Walnut Ave Signal Hill, CA Excel | | | 7 78 | | | Turn Around Recommendate Attenton Rush 24 Hours on Rush 48 Hours on Normal Mobile Lab | tion | pt n-penti pt n-hexa ptn-hepti | ne me syl Alchohol | 00 1141 | | Organics Organics | Re | Que: | (Ornertico) | in the second | | | Of ontainer: I GLASS SYR | |
| Report To Susan L Mearns PhD | · · · · · · · · · · · · · · · · · · · | Sampler Casey | Ellie | | | '≰Standard o | Low Level* surcharge for | | 10/m² | b Metric: | EPA &2608 (VOCs) | e Range | | | helic Vacatum | o Con | | | | · . |
| Sample ID | Purpe Number | Polys Votate (m) | Data | Sample Collection Time | Sample Analysis Time | Laboratory Sample ID | Purga Rate (mL/min) | Pemp Used | Magnehelic | Agenda agenta | EPA &2 | Gastifine | | | Magne | | No | tes & Spec | iel Instruc | tions |
| SV18-15' | 3 | 1470 | 7/28/21 | 10:14 | 10:17 | E-1173-21 | 200 | CASEY.2 | M100.114 | SG | X | Х | | | 36 | 1 | | | | |
| SV19-5' | 3 | 1310 | 7/28/21 | 10:32 | 10:36 | E-1173-22 | 200 | CASEY.1 | M100.201 | SG | × | X | | | ٧ | 1 | | | | |
| SV18-15' DIL | • | - ' | 7/28/21 | 10:46 | 10:48 | - | - | CASEY.2 | M100.114 | SG | X | Х | | , | 36 | 1 | <u></u> | | | . , |
| SV19-6' DIL | | • | 7/28/21 | 11:10 | 11:12 | - | - | CASEY.1 | M100.201 | SG | x | X | | | 8 | 1 | | | · | |
| | | | | | | | • | | | | | | _ | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
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| C | | | | | | | | | | | | | | | | | | | | |
| 800 | | Printed No. SUSAN ME | | | | Cumf | (Gl | 5 | | and Ma KEY EU | | | | | | • | Total Numb | er of Contain | ens . | |
| Company Mearns Consulting Group Representative Signature | | Date 7/25/ Printed No | 72021 No | Three 11 | :45 | Company JONES EAVIRONMENT/ Laboratory Signature | AL, INC. | | | 7/28/20 20d Na | | | | :45 | <u> </u> | * | megbelwansk | ont that the al e information | bove analyse provided he | rm constitutes is have been rein is correct |
| Соптрану | | Date | | Time | | Company | oc 181 | | Det | • | | Ťì | 100 100 | | | | | and acci | | |

APPENDIX D Boring Logs

| Kehoe Drilling Geoprobe 7800 2 1/4 INCH DIAMETE 6" SS slotted probe #3 Sand BENTONITE ON | | Numbe Water I | eveloped and | e of Install 2/21 Co d Sampled | ation mpletion D | NA Date 7/12/21 NA SRF REMARKS | | |
|---|--------------------------|--|---|--|--|--|--------|---------------------|
| 2 1/4 INCH DIAMETE 6" SS slotted probe #3 Sand BENTONITE ON | | Water I Start Do Date Do Logged | Depth at Date ate 7/12 eveloped and By SR | e of Install 2/21 Co d Sampled F Ch | mpletion D ecked By | NA Date 7/12/21 NA SRF | | |
| 6" SS slotted probe #3 Sand BENTONITE ON | | Start Date Date Date Dogged | ate 7/12 eveloped and i By SR | 2/21 Co d Sampled F Ch | mpletion D ecked By | Date 7/12/21 NA SRF | | |
| #3 Sand BENTONITE ON | | Date D Logged | eveloped and I By SR | d Sampled F Ch | ecked By | NA SRF | | |
| DN PINOTOGY | | Logged OG DATA | By SR | F Ch | ecked By | SRF | | |
| ПТНОГОВУ | | OG DATA | A | SAMPLE | DATA | | | |
| | | | | | | REMARKS | | |
| | SOSA | WELL | OVA-PPM | SAMPLE | SAMPLE | REMARKS | | |
| | | | | | | | | |
| Lt brn, firm, dense, masive Pr Plasticity | lasticity | CLAY: Lt brn, firm, dense, massive Pr Plasticity CLAY: Lt-med brn, firm, dense, massive pr plastivity CL | | | | SV1-5' | 5-5.5' | NO STAIN NO ODOR |
| ense, massive | CL | | 0 | SV1-10' | 10.0-10.5 | NO STAIN NO ODOR | | |
| ve, "sugar Sand" | QD. | iá | - 6" SS Pro | be | | NO STAIN | | |
| MEARNS | | | | | LOG SV | NO ODOR | | |
| | ve, "sugar Sand" ⊡∷∷∷ | ve, "sugar Sand" SP | ve, "sugar Sand" | ense, massive ZZZ CL 0 Hydrated 6" SS Pro SP 0 | Hydrated bentonite - 6" SS Probe 0 SV1-15" BORING Town Ce Signal Hill | ense, massive ZZZ CL 0 SV1-10' 10.0-10.5 We, "sugar Sand" Hydrated bentonite 6" SS Probe 0 SV1-15' 15-15.5 BORING LOG SV Town Center NW Signal Hill, California Project Number Date PM | | |

| and the second s | SV2 | | | Elevation | n and Datu | m | GROUND S | SURFACE |
|--|----------------------|----------|-----------|-----------|---------------------------------|-----------------------|------------|---------------------|
| Orilling Company | Kehoe Dril | ling | | Complet | tion Depth | | 15 FI | EET |
| Orilling Equipment | Geoprobe 7 | 800 | | Number | of Samples | s | | 3 |
| Boring | 2 1/4 INCH DIA | METER | 3 | Water D | epth at Dat | te of Installa | ition | NA |
| Type of Perforation | 6" SS slotted | probe | | Start Da | te 7/1 | 2/21 Cor | npletion D | ate 7/12/21 |
| Type of Perforation Backfill | #3 Sand | t | | Date De | veloped an | d Sampled | | NA |
| Type of Seal | BENTONI | TE | | Logged | By SF | F Che | ecked By | SRF |
| 6 | | | L | OG DATA | | SAMPLE | DATA | |
| DESCRI | PTION | ІТНОГОВУ | nscs | WELL | OVA-PPM | SAMPLE | SAMPLE | REMARKS |
| 0 Dirt Surface | | 1-1 | | | | | | |
| 1 — 2 — 3 — 4 — 5 — CLAY: Lt brn, firm, de Pr Plasticity 6 — 7 — 8 — 9 — 40 — 40 — 40 — 40 — 40 — 40 — 40 | | 7// | CL | | #3 Sand 0 Bentonite 1/4 " poly | SV2-5' e tubing | 5-5.5' | NO STAIN NO ODOR |
| 10— CLAY: Lt-med brn, fi pr plasticity 11— 12— 13— 14— | | | | | O Hydrated 6" SS Pre | bentonite | 10.0-10.5 | NO ODOR |
| 15 Buff, massive, TD 15.5' | , v fn sandy | KEKEKE | ML | I/A | 0 | SV2-15' | 15-15.5 | NO STAIN NO ODOR |
| MEAF | T | | E | BORING I | | 2 | | |
| CONGI | MEARNS CONSULTING | | | | | Town Ce | | |
| CONSU | | _ | ject Numb | | Signal Hill, | California | | |

| Boring Lo | cation | SV3 | | | Elevation | and Datum | 1 | GROUND | SURFACE | | | |
|--|---|------------------|--------------|------|---|---|----------------|------------|---------------------|--|--|--|
| Orilling Co | ompany | Kehoe Dr | illing | | Completion | on Depth | 77- | 15 FI | EET | | | |
| Drilling Ed | quipment | Geoprobe 7 | 7800 | | Number of | of Samples | | | 3 | | | |
| Boring | | 2 1/4 INCH DI/ | AMETER | 7 | Water De | pth at Date | e of Installa | ation | NA | | | |
| Type of P | erforation | 6" SS slotted | probe | | Start Date | e 7/12 | 2/21 Coi | mpletion D | ate 7/12/21 | | | |
| Type of P | erforation Backfill | #3 San | d | | Date Dev | eloped and | d Sampled | | NA | | | |
| Type of S | eal | BENTON | ITE | | Logged E | Sy SRI | F Ch | ecked By | SRF | | | |
| | | | | L | OG DATA | | SAMPLE | DATA | | | | |
| DEPTH (FEET) | DESCRIF | PTION | LITHOLOGY | nscs | WELL | OVA-PPM | SAMPLE | SAMPLE | REMARKS | | | |
| 0 0 | irt Surface | | 1 | | | | | | | | | |
| 1 — 2 — 3 — 4 — 5 — CI = 7 — 9 — | LAY: Lt brn, firm, de Pr Plasticity | nse, masive | 222 | CL | | - #3 Sand 0 - Bentonite 1/4 " poly t | A | 5-5.5' | NO STAIN NO ODOR | | | |
| 10 <u>CI</u> 11 <u>12 </u> 13 <u>13 </u> | LAY: Lt-med brn, fir pr plasticity | m, dense, massiv | e 777 | CL | | 0 | SV3-10' | 10.0-10.5 | NO STAIN NO ODOR | | | |
| 14— 15— <u>SI</u> | ILT: Buff, massive, 「D 15.5' | v fn sandy | Spanac | ML | | - Hydrated I - 6" SS Pro 0 | | 15-15.5 | NO STAIN NO ODOR | | | |
| MEARNS CONSULTING | | | | | BORING LOG SV3 Town Center NW Signal Hill, California | | | | | | | |
| | COR | | | Pro | oject Numbe | r D | ate 2, 2021 | PN | | | | |

| Boring Location | SV4 | | | Elevation | and Datu | m | GROUND S | BURFACE |
|---|---|----------|------|-----------|--|------------------|------------|---------------------|
| Drilling Company | Kehoe Drillin | ng | | Complet | ion Depth | | 15 FI | EET |
| Orilling Equipment | Geoprobe 780 | 00 | | Number | of Sample | S | | 3 |
| Boring | 2 1/4 INCH DIAM | ETER | | Water D | epth at Da | te of Installa | tion | NA |
| ype of Perforation | 6" SS slotted pr | robe | | Start Da | te 7/1 | 2/21 Cor | npletion D | ate 7/12/21 |
| Type of Perforation Backfill | #3 Sand | | | Date De | veloped ar | d Sampled | | NA |
| Type of Seal | BENTONITE | E | | Logged | By SF | RF Che | ecked By | SRF |
| 6 | | | L | OG DATA | | SAMPLE | DATA | |
| DESCRI | PTION | ПТНОГОВУ | nscs | WELL | OVA-PPM | SAMPLE | SAMPLE | REMARKS |
| Dirt Surface 1 — 2 — 3 — 4 — 5 — CLAY: Lt brn, firm, de Pr Plasticity 6 — 7 — 8 — Macro core refusal 8', s | | | CL | | — #3 Sand 0 — Bentonii — 1/4 " poly | SV4-5' | 5-5.5' | NO STAIN NO ODOR |
| 10— CLAY: Lt-med brn, fi pr plasticity 11— 12— 13— | rm, dense, massive | "" | CL | | 0 | SV4-10' | 10.0-10.5 | NO STAIN NO ODOR |
| 15— SILT: Buff, massive, TD 15.5' | v fn sandy | RENERE | ML | 1/4 | — 6" SS P | | 15-15.5 | NO STAIN NO ODOR |
| MEAF | BORING LOG SV4 Town Center NW Signal Hill, California | | | | | | | |
| COF | | | Pro | ject Numb | | Date 12, 2021 | PN | / Page 1 of 1 |

| Boring L | _ocation | SV5 | | | Elevation | n and D | atum | GROUND SURFACE | | | |
|-------------------------------|--|---------------|----------------|------|----------------|----------|----------------------------------|------------------|------------------------------------|---------------------|--|
| Drilling (| Company | Kehoe Di | rilling | | Comple | tion Dep | oth | | 15 F | EET | |
| Drilling | Equipment | Geoprobe | 7800 | | Numbe | r of Sam | ples | | | 3 | |
| Boring | | 2 1/4 INCH DI | AMETER | } | Water I | Depth at | Date of | Installa | ation | NA | |
| Type of | Perforation | 6" SS slotte | d probe | | Start Da | ate | 7/12/21 | Cor | mpletion D | ate 7/12/21 | |
| Type of | Perforation Backfill | #3 Sar | nd | | Date De | evelope | and S | ampled | W | NA | |
| Type of | Seal | BENTON | NITE | | Logged | Ву | SRF | Che | ecked By | SRF | |
| fi I | | | | L | OG DATA | 1 | | SAMPLE | DATA | | |
| DEPTH (FEET) | DESCRI | PTION | ПТНОГОВУ | nscs | WELL | OVA-PPM | | SAMPLE | SAMPLE | REMARKS | |
| 0 | Dirt Surface | | - | 1 | | | | | | | |
| 6 - 7 - 8 | CLAY: Med brn, firm, Pr Plasticity | dense, masive | 7/2 | CL | | 0 Ben | Sand S tonite poly tubi | SV5-5' | 5-5.5' | NO STAIN NO ODOR | |
| 9 — 10— 11— 12— | CLAY: Lt-med brn, fi silty, pr plasti | | /e //// | CL | | 0 | \$ | SV5-10' | 10.0-10.5 | NO STAIN NO ODOR | |
| 13— | SILT: Buff, massive, | v fn sandy | KENEK | ML | | | ated ber S Probe | | 15-15.5 | NO STAIN NO ODOR | |
| MEARNS CONSULTING CORP. | | | | | J Dject Num | ber | | Fown Cognal Hill | LOG SV enter NW , California | a | |

| Boring | Location | SV6 | | | Elevation | and Datur | n | GROUND SURFACE | | | | |
|---------------------------------|--|--------------------|------------|------|---|-----------------------------------|-----------------------------|----------------|---------------------|--|--|--|
| Drilling | Company | Kehoe Dril | ling | | Complet | ion Depth | | 15 FI | EET | | | |
| Drilling | Equipment | Geoprobe 78 | B00 | | Number | of Samples | 3 | | 3 | | | |
| Boring | | 2 1/4 INCH DIA | METER | 7 | Water D | epth at Dat | e of Installa | ation | NA | | | |
| Гуре о | f Perforation | 6" SS slotted | probe | | Start Da | te 7/1 | 3/21 Co | mpletion D | ate 7/13/21 | | | |
| Type of | Perforation Backfill | #3 Sand | ı | | Date De | veloped an | d Sampled | | NA | | | |
| Type of | Seal | BENTONI | TE | | Logged | By SR | F Ch | ecked By | SRF | | | |
| 6 | | | | L | OG DATA | | SAMPLE | DATA | | | | |
| DEPTH (FEET) | DESCRI | PTION | LITHOLOGY | nscs | WELL | OVA-PPM | SAMPLE | SAMPLE | REMARKS | | | |
| 0 | Dirt Surface | | | | 8 9 9 | | | | | | | |
| 1 — 2 — 3 — 4 — 5 — 7 — 8 — 9 — | CLAY: Lt brn, firm, de Pr Plasticity | ense, masive | 777 | CL | | #3 Sand 0 Bentonite - 1/4 " poly | SV6-5' | 5-5.5' | NO STAIN NO ODOR | | | |
| 10- | CLAY: Lt-med brn, finger plasticity | rm, dense, massive | <i>777</i> | CL | | 0 | SV6-10' | 10.0-10.5 | NO STAIN NO ODOR | | | |
| 14— 15— 16— | SILT: Off wht, massi | ve, v fn sandy | SEXESS | ML | | — Hydrated — 6" SS Pr 0 | bentonite obe SV6-15' | 15-15.5 | NO STAIN NO ODOR | | | |
| MEARNS CONSULTING | | | | | BORING LOG SV6 Town Center NW Signal Hill, California | | | | | | | |
| | COF | P. | | Pro | oject Numb | er [| Date 13, 2021 | PN | // Pag | | | |

| Boring Location | SV7 | | | Elevation | n and Datu | n | GROUND | SURFACE |
|--|---|------------|------|-----------|-------------------------------------|---------------------|------------|---------------------|
| Drilling Company | Kehoe Dri | lling | | Comple | tion Depth | | 15 F | EET |
| Orilling Equipment | Geoprobe 7 | 800 | | Numbe | r of Sample: | 3 | | 3 |
| Boring | 2 1/4 INCH DIA | METER | 3 | Water [| Depth at Dat | e of Install | ation | NA |
| Type of Perforation | 6" SS slotted | probe | | Start Da | ate 7/1 | 3/21 Co | mpletion D | ate 7/13/21 |
| Type of Perforation Backfill | #3 San | d | | Date De | eveloped an | d Sampleo | | NA |
| Type of Seal | BENTON | ITE | | Logged | By SF | F Ch | ecked By | SRF |
| 6 | | | L | OG DATA | 1 | SAMPLE | DATA | |
| DESCRI | PTION | LITHOLOGY | USCS | WELL | OVA-PPM | SAMPLE | SAMPLE | REMARKS |
| Dirt Surface 1 — 2 — 3 — 4 — 5 — CLAY: Lt brn, firm, de Pr Plasticity 6 — 7 — 8 — 9 — | ense, masive | 2772 | CL | | #3 Sand 0 Bentonite − 1/4 " poly | SV7-5' | 5-5.5' | NÓ STAIN NO ODOR |
| 10— CLAY: Lt-med bm, fi pr plasticity | rm, dense, massive | /// | CL | | O | SV7-10 ⁴ | 10.0-10.5 | NO STAIN NO ODOR |
| 14— 15— SILT: Buff, massive, TD 15.5' | v fn sandy | None | ML | | — Hydrated ← 6" SS Pro 0 | 1 | 15-15.5 | NO STAIN NO ODOR |
| MEAF CONSU COF | BORING LOG SV7 Town Center NW Signal Hill, California Project Number Date PM Page | | | | | | | |

| Boring Location | SV8 | | | Elevation | and Datur | n | GROUND S | BURFACE |
|---|-----------------------------|-----------|------|-------------------|--|---------------------|------------|-------------------------|
| Orilling Company | Kehoe Dri | illing | | Completion | on Depth | | 15 FE | |
| Orilling Equipment | Geoprobe 7 | 800 | | Number of | of Samples | | - 7-1 | 3 |
| Boring | 2 1/4 INCH DI/ | AMETER | 3 | Water De | epth at Dat | e of Installa | tion | NA |
| Type of Perforation | 6" SS slotted | probe | | Start Date | e 7/1 | 3/21 Con | npletion D | ate 7/13/21 |
| Type of Perforation Backfil | #3 San | d | | Date Dev | eloped an | d Sampled | | NA |
| Type of Seal | BENTON | ITE | | Logged E | By SR | F Che | ecked By | SRF |
| 6 | | | L | OG DATA | | SAMPLE | DATA | |
| DEPTH | RIPTION | LITHOLOGY | nscs | WELL | OVA-PPM | SAMPLE | SAMPLE | REMARKS |
| 0 Dirt Surface | | | | 81818 | | | | |
| 1 — 2 — 3 — 4 — 5 — CLAY: Lt brn, firm, Pr Plasticity 6 — 7 — 8 — 9 — | dense, masive | 777 | CL | | — #3 Sand 0 — Bentonit - 1/4 " poly | SV8-5' | 5-5.5' | SLT STAIN NO ODOR |
| 10— CLAY: Lt-med brr pr plasticit | n, firm, dense, massiv y | re ZZZ | CL | | 0 | SV8-10 ¹ | 10.0-10.5 | NO STAIN NO ODOR |
| 13— | | | | | | bentonite | | |
| CLAY Buff, firm, r | nassive, silty asticity | 777 | CL | | — 6" SS Pr 0 | SV8-15' | 15-15.5 | NO STAIN NO ODOR |
| MEA | T | | | BORING Town Co | enter NW | | | |
| | RP. | | Pr | oject Numb | | Date 13, 2021 | P | |

| Boring Location | SV9 | | | Elevation | and Datum | 1 (| GROUND | SURFACE |
|--|-----------------------------------|----------|------|----------------------------------|-----------------------------------|-----------------|------------|---------------------|
| Orilling Company | Kehoe Dril | lling | | Completi | ion Depth | | 15 F | EET |
| rilling Equipment | Geoprobe 7 | 800 | | Number | of Samples | | | 3 |
| Boring | 2 1/4 INCH DIA | METER | 3 | Water De | epth at Date | of Installa | tion | NA |
| ype of Perforation | 6" SS slotted | probe | | Start Dat | te 7/13 | /21 Con | npletion D | rate 7/13/21 |
| Type of Perforation Backfill | #3 Sand | d | | Date Dev | veloped and | Sampled | | NA |
| ype of Seal | BENTON | ITE | | Logged I | By SRF | Che | cked By | SRF |
| 6 | | | L | OG DATA | | SAMPLE | DATA | |
| DESCRI | PTION | ІТНОГОВУ | nscs | WELL | OVA-PPM | SAMPLE | SAMPLE | REMARKS |
| 0 Dirt Surface | | 1 | | 0.000 | | | | |
| 1 — 2 — 3 — 4 — 5 — CLAY: Dk brn, firm, control of the presentation of the presentatio | lense, masive | 772 | CL | | #3 Sand 0 Bentonite 1/4 " poly t | | 5-5.5' | NO STAIN NO ODOR |
| 10— CLAY: Med brn, firm pr plasticity 11— 12— 13— | i, dense, massive | ZZZ | CL | | 0 | | 10.0-10.5 | NO STAIN NO ODOR |
| 15— CLAY Med brn, firm, TD 15.5' massiv | , firm, dense e, pr plasticity | 777 | CL | | — Hydrated — 6" SS Pro 0 | | 15-15.5 | NO STAIN NO ODOR |
| MEAR | | | E | BORING Town Co Signal Hill | enter NW | | | |
| COF | RP. | | Pro | oject Numb | er D July | ate 13, 2021 | PI | |

| Boring Location | SV10 | | | Elevation | n and Datur | m (| GROUND : | SURFACE | |
|--|-----------------------------------|-----------|------|------------|---|---|------------|---------------------|--|
| Drilling Company | Kehoe Dr | illing | | Comple | tion Depth | | 15 FEET | | |
| Drilling Equipment | Geoprobe 7 | 7800 | | Number | of Samples | 3 | 3 | | |
| Boring | 2 1/4 INCH DI/ | AMETER | 7 | Water D | epth at Dat | e of Installa | tion | NA | |
| Type of Perforation | 6" SS slotted | probe | ij. | Start Da | ite 7/1 | 3/21 Con | npletion D |)ate 7/13/21 | |
| Type of Perforation Backfill | #3 San | d | | Date De | eveloped and Samp | | | NA | |
| Type of Seal | BENTON | ITE | | Logged | By SR | F Che | ecked By | SRF | |
| DESCRI | | | L | OG DATA | | SAMPLE | DATA | | |
| | | LITHOLOGY | nscs | WELL | OVA-PPM | SAMPLE | SAMPLE | REMARKS | |
| 0 Dirt Surface | | +- | | 01818 | | | | | |
| 1 — 2 — 3 — 4 — 5 — CLAY: Dk brn, firm, control of the property of the propert | dense, masive | 7//2 | CL | | #3 Sand 0 Bentonite - 1/4 " poly | SV10-5.0 | 5-5.5' | NO STAIN NO ODOR | |
| 10— CLAY: Med brn, firm pr plasticity | n, dense, massive | 777 | CL | | 0 | SV10-10 ¹ | 10.0-10.5 | NO STAIN NO ODOR | |
| 13— 14— 15— CLAY Med brn, firm, massive 16— TD 15.5' TD 15.5' | , firm, dense e, pr plasticity | 777 | CL | i'a | — Hydrated — 6" SS Pri 0 | ibentonite dbe SV10-15' | 15-15.5 | NO STAIN NO ODOR | |
| MEARNS CONSULTING | | | Pro | eject Numb | er D | Town Ce Signal Hill, Date 13, 2021 | nter NW | a | |

| Prilling Company Prilling Equipment Boring | | illing | | 200 | | | | | |
|--|--------------------------------------|----------|------|------------|-----------------------------------|------------------------------------|-------------------------|-------------------------------|--|
| | | | | Complet | ion Depth | 4 | 15 FEET | | |
| Poring | Geoprobe 7 | 7800 | | Number | of Samples | | 3 | | |
| oning | 2 1/4 INCH DI/ | AMETER | 3 | Water D | epth at Dat | e of Installa | tion | NA | |
| ype of Perforation | 6" SS slotted | d probe | | Start Dat | te 7/1: | 3/21 Con | Completion Date 7/13/21 | | |
| ype of Perforation Backfil | #3 San | ıd | | Date De | veloped an | d Sampled | | NA | |
| ype of Seal | BENTON | ITE | | Logged | By SR | F Che | ecked By | SRF | |
| | | | - 1 | LOG DATA | | SAMPLE | DATA | REMARKS | |
| | DESCRIPTION | | nscs | WELL | OVA-PPM | SAMPLE | SAMPLE | | |
| Dirt Surface | | ГТНОГОВУ | | | | | | | |
| CLAY: Dk brn, firm Pr Plasticity | dense, masive | 772 | CL | | #3 Sand 0 Bentonite - 1/4 " poly | SV11-5.0 | 5-5.5' | SLT STAIN V SLT ODOR | |
| 9 — CLAY: Med brn, fin pr plasticity | | 777 | CL | | 0 | SV11-10 ¹ | 10.0-10.5 | NO STAIN NO ODOR | |
| 13— 14— 15— CLAY Med brn, fire | n, firm, dense ive, pr plasticity | 777 | CL | | - Hydrated - 6" SS Pro 0 | | 15-15.5 | NO STAIN NO ODOR | |
| MEARNS CONSULTING CORP. | | | I | ject Numbe | | ORING L Town Ce Signal Hill, | nter NW | i | |

| etion Depth r of Samples Depth at Date of Samples Depth at Date of Samples Reveloped and Samples By SRF A Wdd-YAAO | Checke SAMPLE DA | NA SRF | | | |
|---|---------------------|-------------------------------------|--|--|--|
| Depth at Date of the Triangle | Checke SAMPLE DA | n NA etion Date 7/13/2 NA ed By SRF | | | |
| ate 7/13/2 eveloped and S By SRF | Checke SAMPLE DA | NA ed By SRF | | | |
| By SRF | Sampled Checke | NA ed By SRF | | | |
| By SRF | Checke SAMPLE DA | ed By SRF | | | |
| 1 | SAMPLE DA | iTA . | | | |
| | | | | | |
| OVA-PPM | SAMPLE NUMBER | REMARKS | | | |
| | | | | | |
| | | | | | |
| #3 Sand 0 Bentonite 1/4 " poly tub | | -5.5' NO STAIN NO ODOR | | | |
| 0 | SV12-10' 10.0 | 0-10.5 NO STAIN NO ODOR | | | |
| | | | | | |
| 0 | SV12-15' 15- | -15.5 NO STAIN NO ODOR | | | |
| BORING LOG SV12 Town Center NW Signal Hill, California | | | | | |
| | — 6" SS Prob | BORING LO | | | |

| Boring Location | SV13 | | | Elevatio | n and Dat | um | C | ROUND | SURFACE | |
|---|---------------|----------|------|-----------|---------------------------------|-------------------------|------------------|------------|---------------------|--|
| Orilling Company | Kehoe Di | rilling | | Comple | tion Depth | | | 15 FEET | | |
| Orilling Equipment | Geoprobe | 7800 | | Number | of Sample | es | | 3 | | |
| Boring | 2 1/4 INCH DI | AMETER | } | Water D | epth at D | ate of l | Installation NA | | NA | |
| Type of Perforation | 6" SS slotte | d probe | | Start Da | ate 7/13/21 | | Completion D | | Date 7/13/21 | |
| Type of Perforation Backfill | #3 Sai | nd | | Date De | eveloped a | eloped and Sample | | | NA | |
| Type of Seal | BENTON | VITE | | Logged | By S | RF | Checked By | | SRF | |
| 6 | | | L | OG DATA | | SA | MPLE | DATA | | |
| DESCRII | PTION | гтногову | nscs | WELL | OVA-PPM | SAMPLE | NUMBER | SAMPLE | REMARKS | |
| Dirt Surface 1 — 2 — 3 — 4 — 5 — CLAY: Lt brn, firm, de Pr Plasticity 6 — 7 — 8 — 9 — 10 — CLAY: Lt brn, firm, d pr plasticity 11 — 11 — 11 — 11 — 11 — 11 — 11 — 11 | | | CL | | #3 Sai 0 Bentor − 1/4 " po 0 | SV nite ly tubing | | 5-5.5' | NO STAIN NO ODOR | |
| 12— 13— 14— 15— SILT: Buff, massive, TD 15.5' | , v fn sandy | 3898988 | ML | | — Hydrato — 6" SS 0 | Probe | | 15-15.5 | NO STAIN NO ODOR | |
| MEAF | RNS | | | | | To | wn Ce | OG SV | 1 | |
| CONSU | LIING | | | | | Sigr | nal Hill, | , Californ | nia | |
| CONSU | | | Pro | oject Num | ber | Date | nal Hill, 021 | | PM Pag 1 of | |

| Boring Location | SV14 | | | Elevation | n and Datu | m | GROUND : | SURFACE | |
|--|-----------------------------------|---------|------|------------------------|--|------------------|---------------------|---------------------|--|
| Prilling Company | Kehoe D | rilling | | Complet | tion Depth | | 15 FEET | | |
| Orilling Equipment | Geoprobe | 7800 | | Number | of Sample | S | | 3 | |
| Boring | 2 1/4 INCH DI | AMETER | 3 | Water D | epth at Da | te of Install | nstallation NA | | |
| Type of Perforation | 6" SS slotte | d probe | | Start Da | ite 7/1 | 3/21 Co | mpletion D | 7/13/21 | |
| Type of Perforation Ba | ackfill #3 Sai | nd | | Date Developed and San | | nd Sampled | 1 | NA | |
| Type of Seal | BENTON | VITE | | Logged | By Sf | RF Ch | ecked By | SRF | |
| 6 | | 13 = | L | OG DATA | | SAMPLI | DATA | | |
| DEPT. | DESCRIPTION | | nscs | WELL | OVA-PPM | SAMPLE | SAMPLE | REMARKS | |
| 7 — Pr Plas | firm, dense, masive sticity | | CL | | #3 Sand0■ Bentoni= 1/4 " poly | SV14-5. | 0 5-5.5' | NO STAIN NO ODOR | |
| pr pla: | , firm, dense, massive sticity | 777 | CL | | 0 | SV14-10 |)'10.0-10.5 | NO STAIN NO ODOR | |
| 13— 14— 15— CLAY: Lt bm, TD 15.5' | silty, massive, pr plastici | ty /// | GL | | — Hydrated — 6" SS P | | 1 15-15.5 | NO STAIN NO ODOR | |
| | EARNS SULTING | | | | | | LOG SV center NW | | |
| | ORP. | | Pro | oject Numb | oer July | Date 13, 2021 | PI | M Page 1 of | |

| Boring Location | SV15 | | | Elevation | n and Datun | n (| GROUND | SURFACE | |
|---|---------------|----------|------|-----------|-------------------------------------|------------------------------------|------------|---------------------|--|
| Drilling Company | Kehoe D | rilling | | Complet | ion Depth | | 15 FEET | | |
| Drilling Equipment | Geoprobe | 7800 | | | of Samples | | 3 | | |
| Boring | 2 1/4 INCH D | IAMETER | P | Water D | epth at Date | e of Installa | tion | NA | |
| ype of Perforation | 6" SS slotte | ed probe | | Start Da | te 7/13 | 3/21 Con | npletion D | Pate 7/13/21 | |
| Type of Perforation Backfill | #3 Sa | nd | | Date De | Date Developed and S | | | NA | |
| ype of Seal | BENTO | NITE | | Logged | By SR | F Che | cked By | SRF | |
| <u> </u> | | | L | OG DATA | | SAMPLE | DATA | | |
| DEPT | DESCRIPTION | | nscs | WELL | OVA-PPM | SAMPLE | SAMPLE | REMARKS | |
| Dirt Surface Dirt Surface CLAY: Lt brn, firm, Pr Plasticity | dense, masive | 7772 | CL | | #3 Sand 0 Bentonite - 1/4 " poly 1 | SV15-5.0 | 5-5.5' | NO STAIN NO ODOR | |
| 9 — CLAY: Lt brn, firm, pr plasticity | | 777 | CL | | 0 | SV15-10¹ | 10.0-10.5 | NO STAIN NO ODOR | |
| 14— 15— CLAY: Buff, massiv TD 15.5' | /e | 711 | ML | | - Hydrated - 6" SS Pro 0 | SV15-15' | | NO STAIN NO ODOR | |
| MEA | JLTING | | | | В | ORING L Town Ce Signal Hill, | nter NW | | |
| CO | RP. | | Pro | ject Numb | | ate 13, 2021 | PN | A Page | |

| Boring Location | | SV16 | | | Elevatio | n and Datun | n (| GROUND | SURFACE | | |
|--|---------------------------------|--------------------------|------------------|------|-----------|--|--|---------------------|-----------------------------|--|--|
| Drilling Company | | Kehoe Dri | lling | | Comple | tion Depth | | 15 FEET | | | |
| Orilling Equipmen | nt | Geoprobe 7 | 800 | | Number | of Samples | | 3 | | | |
| Boring | | 2 1/4 INCH DIA | METER | 3 | Water D | Depth at Date | e of Installa | tion | NA | | |
| Type of Perforation | on | 6" SS slotted | probe | | Start Da | ate 7/13 | 3/21 Con | Completion Date 7/1 | | | |
| Type of Perforation | on Backfill | #3 Sand | d | | Date De | ate Developed and Sample | | | NA | | |
| Type of Seal | | BENTONI | TE | | Logged | By SR | F Che | cked By | SRF | | |
| E . | | | | T | OG DATA | 1 | SAMPLE DATA | | REMARKS | | |
| DEPTH (FEET) | | | LITHOLOGY | nscs | WELL | OVA-PPM | SAMPLE | SAMPLE | | | |
| 0 Dirt Surfa | ice | × | 1 | | | | | | | | |
| 1 — 2 — 3 — 4 — 5 — CLAY: M Pr | ed brn, firm, o | dense, masive | 7772 | CL | | #3 Sand 0 Bentonite 1/4 " poly t | | 5-5.5' | NO STAIN NO ODOR | | |
| | t brn, firm, de r plasticity | ense, massive | 777 | CL | | 0 | SV16-10 ⁴ | 10.0-10.5 | NO STAIN NO ODOR | | |
| 13— 14— 15— CLAY: DI TD 15.5' | na planet | , dense, massive city | 777 | CL | | Hydrated I6" SS Pro4.7 | | 15-15.5 | SLT STAIN SLT ODOR | | |
| MEARNS CONSULTING CORP. | | | | Pro | ject Numb | per D | ORING L Town Ce Signal Hill, ate 3, 2021 | nter NW | a | | |

| Boring Location | SV17 | | | Elevation | and Date | ım | GROU | IND SURFACE | j 4,2 |
|---|----------------|-----------|------|-----------|--|------------------|-----------|-----------------|--------------|
| Drilling Company | Kehoe Dril | lling | | Complet | ion Depth | | | 15 FEET | |
| Orilling Equipment | Geoprobe 7 | 800 | | Number | of Sample | es | | 3 | |
| Boring | 2 1/4 INCH DIA | METER | } | Water D | epth at Da | te of Insta | lation | NA | |
| Type of Perforation | 6" SS slotted | probe | | Start Da | te 7/ | 13/21 C | ompleti | on Date | 7/13/21 |
| Type of Perforation Backfill | #3 Sand | d | | Date De | veloped a | nd Sample | d | NA | |
| Type of Seal | BENTONI | TE | | Logged I | By s | RF C | necked | By SRF | |
| 6 | | | L | OG DATA | | SAMPL | E DATA | 4 | |
| DESCRIF | | LITHOLOGY | nscs | WELL | OVA-PPM | SAMPLE | SAMPLE | REMA | RKS |
| Dirt Surface 1 — 2 — 3 — 4 — 5 — CLAY: Med brn, firm, Pr Plasticity 7 — 8 — 9 — 10 — CLAY: Lt brn, firm, de | | | CL | | — #3 San 0 — Bentoni - 1/4 " poly | SV17-5 tel | 0' 10.0-1 | STAIN NO ODG | N OR |
| 11— 12— 13— 14— | ense, massive | | CL | | | d bentonite | | NO OE | |
| 15 CLAY: Dk brn, firm, de TD 15.5' pr plassti | | | CL | | 0 | SV17-18 | 5' 15-15 | 5.5 NO O | |
| MEARNS CONSULTING | | | | | | BORING | LOG | SV17 | |
| OONOLI | CVII | | | | | Town C | | | |
| CONSU | LIING | | | | | Signal H | II, Calif | ornia | |
| COR | P. | | Pro | ject Numb | | Date 13, 2021 | | PM | Page 1 of |

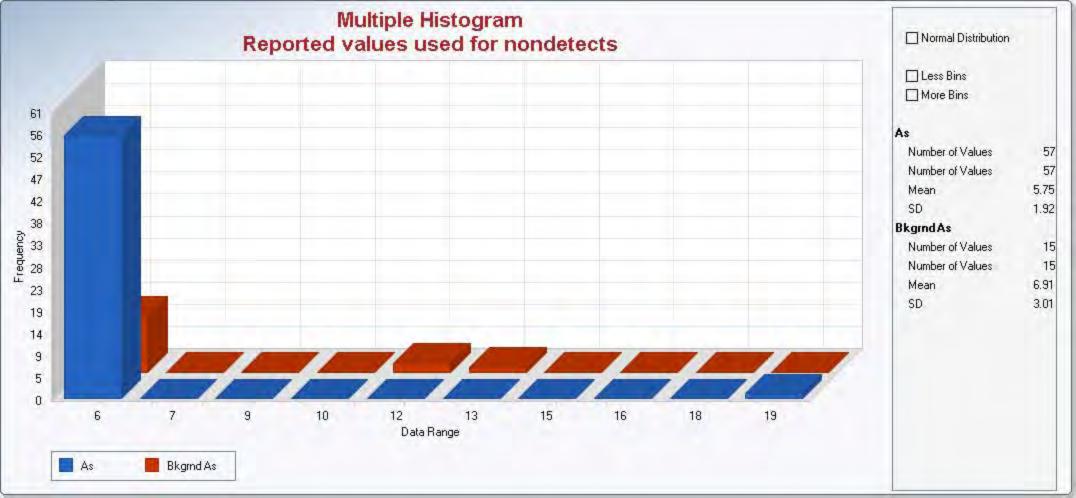
| Type of Perforation Back Type of Seal DESC Macro Core Dirt Surface CLAY: Med brn, f Pr Plastici Type of Seal DESC Macro Core Dirt Surface Blk, firm, pr plastic DESC Macro Core Dirt Surface | Geoprobe 2 1/4 INCH E 6" SS slotte ill #3 Sa BENTO CRIPTION Continous Sampling | 7800 DIAMETER ed probe | | Start Date Date Deve Logged By OG DATA | Samples oth at Date of 7/13/2 cloped and S | Sampled Chec | pletion Da | 3 NA |
|--|--|-------------------------------------|-----|--|--|---------------|------------|---------------------------------|
| Soring Type of Perforation Type of Perforation Back Type of Seal DESC Macro Core Dirt Surface 1 - 2 - 3 - 4 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 | 2 1/4 INCH E 6" SS slotte iii #3 Sa BENTO | DIAMETER ed probe and NITE | 1 | Water Dep Start Date Date Deve Logged By OG DATA | 7/13/2 loped and S | Sampled Chec | pletion Da | NA ate 7/13/21 NA |
| Type of Perforation Back Type of Seal DESC Macro Core Dirt Surface Dirt Surface CLAY: Med brn, f Pr Plastici Bull Bull Bull Bull Bull Bull Bull Bu | 6" SS slotte #3 Sa BENTO | ed probe and NITE | 1 | Start Date Date Deve Logged By OG DATA | 7/13/2 loped and S | Sampled Chec | pletion Da | 7/13/21 NA |
| DESC Macro Core Dirt Surface Dirt Surface CLAY: Med brn, f Pr Plastici Blk, firm, pr plastic DESC Macro Core Dirt Surface | BENTO | and NITE | | Date Deve Logged By .OG DATA | loped and S | Sampled Chec | oked By | NA |
| DESC Macro Core Dirt Surface Dirt Surface CLAY: Med brn, f Pr Plastici CLAY: Blk, firm, pr plastic | BENTO | NITE | | Logged By | SRF | Chec SAMPLE D | DATA | |
| Macro Core Dirt Surface Dirt Surface CLAY: Med brn, f Pr Plastici Blk, firm, pr plastic Dirt Surface | CRIPTION | | | OG DATA | | SAMPLE D | DATA | SRF |
| 0 Dirt Surface 1 | | ПТНОГОВУ | | | Md | | | |
| 0 Dirt Surface 1 | | LITHOLOGY | SOS | STR | Md | шæ | | |
| 1 — 2 — 3 — 4 — 5 — CLAY: Med brn, f Pr Plastici 6 — 7 — 8 — 9 — 10 — CLAY: Blk, firm, pr plastic 11 — 12 — 13 — 7 | | | 2 | WELL | OVA-PPM | SAMPLE | SAMPLE | REMARKS |
| 10— CLAY: Blk, firm, pr plastic | irm, dense, masive ly | | CL | | #3 Sand 0 Bentonite | SV18-5.0 | 5-5.5' | V SLT STAIN NO ODOR |
| - | dense, massive ty | | CL | | 16.7 | SV18-10'1 | 0.0-10.5 | MOD SLT STAIN SLT ODOR |
| 15 CLAY: Blk,, firm, TD 15.5' pr pl | dense, massive assticity | 777 | CL | | Hydrated be 6" SS Prob 11.7 | | 15-15.5 | MOD STAIN SLT ODOR |
| CONS | RNS | | Dro | oject Number | | RING LO | nter NW | |

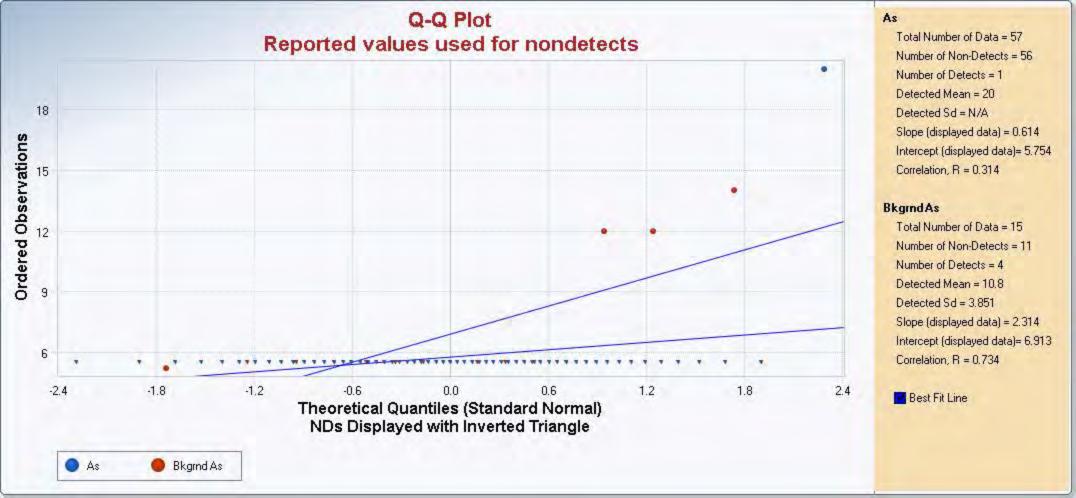
| Boring Location | SV19 | | | Elevation | n and [| Datum | | ROUND | SURFACE | |
|--|--|-----------|---------------|------------|---------------|------------------------------------|-------------------------|--------------------|----------------------------|--|
| Orilling Company | Kehoe Dri | illing | | Comple | tion De | pth | | 15 F | EET | |
| Orilling Equipment | Geoprobe 7 | 800 | | Number | r of Sar | nples | | 3 | | |
| Boring | 2 1/4 INCH DI/ | AMETER | 3 | Water I | Depth a | t Date | of Installa | tion | NA | |
| Type of Perforation | 6" SS slotted | probe | | Start Da | ate | 7/13/2 | 21 Con | Completion Date 7/ | | |
| Type of Perforation Backfill | #3 San | d | Date Develope | | | d and | Sampled | | NA | |
| Type of Seal | BENTON | ITE | | Logged | Ву | SRF | Che | cked By | SRF | |
| 6 | | | L | OG DATA | 1 | | SAMPLE | DATA | | |
| Macro Core Con | DESCRIPTION Macro Core Continous Sampling | | nscs | WELL | OVA-PPM | SAMPLE | | SAMPLE | REMARKS | |
| Dirt Surface | | LITHOLOGY | | | — 1/4" | poly tu | bing | | | |
| 5 — CLAY: Blk, firm, dens Pr Plasticity | e, masive | | CL | | #3 13 | lydrated Sand 884 ntonite | d bentonite SV19-5.0 | 5 | GD STAIN MOD ODOR | |
| 9 — 10 — CLAY: Blk,, dense, r pr plasticity | nassive, moist | 222 | CL | | 68 | 31 | SV19-10' | 10.0-10.5 | GD STAIN MOD ODOR | |
| 13— 14— 15— CLAY: Blk,, firm, den TD 15.5' pr plass | | 7// | CL | | 9(| 08 | SV19-15' | 15-15.5 | GD STAIN MOD ODOR | |
| MEAF CONSU COF | LTING | | Pro | oject Numl | | | | nter NW | a | |

APPENDIX E

Metals Statistical Analyses



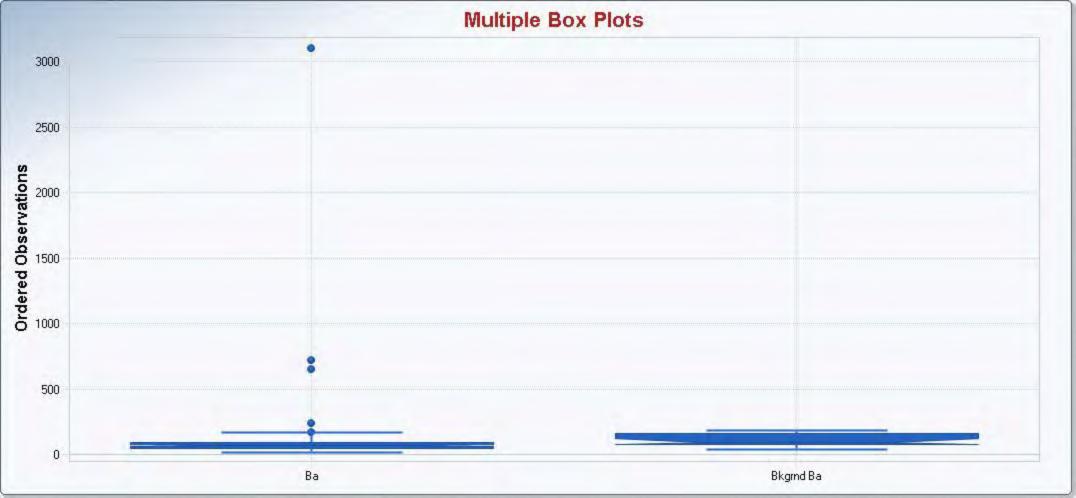




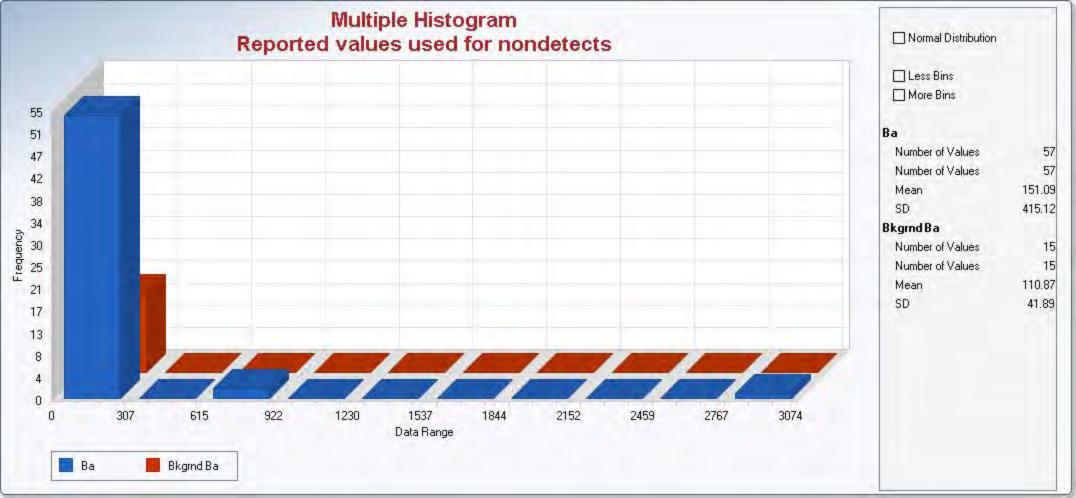
| | A B C D | | E | l F | G | Н | 1 | J | K | |
|----|---|-------------|---------|-------------|-------------|-------------|-------------|---|---|-------------|
| 1 | Tarone-Ware Sampl | | | - | | | a Sets with | | | |
| 2 | | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | | |
| 4 | Date/Time of Computation ProUCL | _ 5.18/7/20 | 021 10: | :47:43 AM | | | | | | |
| 5 | From File Metals i | in Soil TCI | NW.xls | 3 | | | | | | |
| 6 | Full Precision OFF | | | | | | | | | |
| 7 | Confidence Coefficient 95% | | | | | | | | | |
| 8 | Selected Null Hypothesis Sample | 1 Mean/N | /ledian | <= Sample 2 | Mean/Media | an (Form 1) | | | | |
| 9 | Alternative Hypothesis Sample | 1 Mean/N | /ledian | > Sample 2 | Mean/Mediar | 1 | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |
| 12 | Sample 1 Data: As | | | | | | | | | |
| 13 | Sample 2 Data: Bkgrnd As | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | Raw Stat | tistics | | | | | | | | |
| 16 | | Sam | ple 1 | Sample 2 | | | | | | |
| 17 | Number of Valid Dat | ta 57 | 7 | 15 | | | | | | |
| 18 | Number of Non-Detect | ts 56 | 3 | 11 | | | | | | |
| 19 | Number of Detect | ts 1 | | 4 | | | | | | |
| 20 | Minimum Non-Detec | ct 5 | .5 | 5.5 | | | | | | |
| 21 | Maximum Non-Detec | ct 5 | .5 | 5.5 | | | | | | |
| 22 | Percent Non-detect | ts 98.25 | 5% | 73.33% | | | | | | |
| 23 | Minimum Detec | ct 20 |) | 5.2 | | | | | | |
| 24 | Maximum Detec | ct 20 |) | 14 | | | | | | |
| 25 | Mean of Detect | ts 20 |) | 10.8 | | | | | | |
| 26 | Median of Detect | ts 20 |) | 12 | | | | | | |
| 27 | SD of Detect | ts N/ | A | 3.851 | | | | | | |
| 28 | KM Mea | an 5 | .754 | 6.693 | | | | | | |
| 29 | KM S | D 1 | .904 | 3.016 | | | | | | |
| 30 | | | | | | | | | | |
| 31 | Sample 1 vs Sample 2 | ? Tarone-V | Vare T | est | | | | | | |
| 32 | | | | | | | | | | |
| 33 | H0: Mean/Median of Sample 1 <= Mean/Med | dian of Sa | mple 2 | 2 | | | | | | |
| 34 | | | | | T | | | | | |
| 35 | TW Stati | | 699 | | | | | | | |
| 36 | TW Critical Value (0 | 1 | .645 | | | | | | | |
| 37 | P-Va | alue 0 | .997 | | | | | | | |
| 38 | | | | | | | | | | |
| 39 | Conclusion with Alpha = 0.05 | | | | | | | | | |
| 40 | Do Not Reject H0, Conclude Sample 1 <= | Sample 2 | 2 | | | | | | | |
| 41 | P-Value >= alpha (0.05) | | | | | | | | | |
| 42 | | | | | | | | | | |

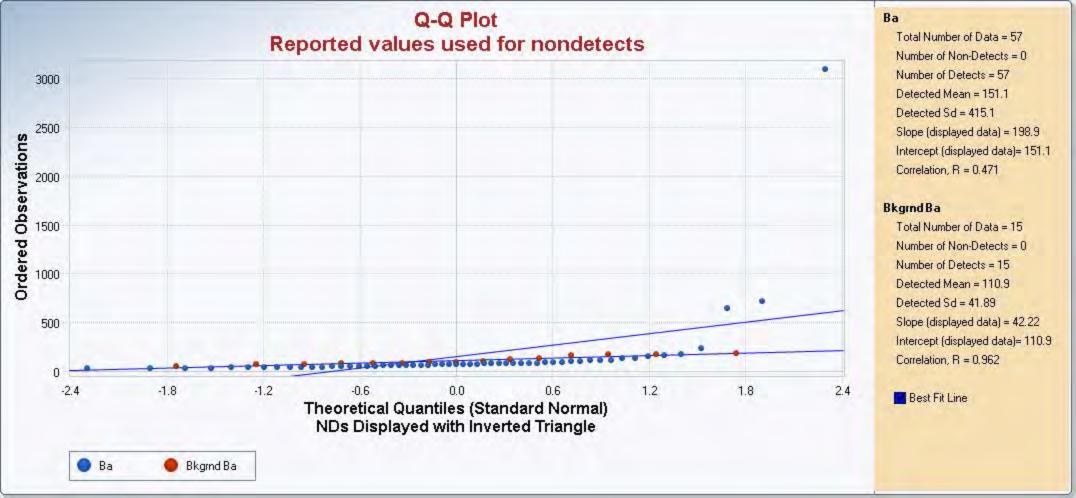
| | Α | В | С | D | Е | F | G | Н | I | J | K | L |
|----|------------|---|-------------------|----------------|---|-------------|--------------|-------------|---------------|-------------|----------|---|
| 1 | | | Wilcoxon-Ma | ann-Whitney | y Sample 1 v | vs Sample 2 | Comparison | Test for Da | nta Sets with | Non-Detects | ; | |
| 2 | | | | | | | | | | | | |
| 3 | | | ected Options | | | | | | | | | |
| 4 | Dat | e/Time of C | | | 8/7/2021 10 | | | | | | | |
| 5 | | | | | oil TCNW.xls | 5 | | | | | | |
| 6 | | | | OFF | | | | | | | | |
| 7 | | Confidence | | 95% | | | | | | | | |
| 8 | | elected Null | | - | | <= Sample 2 | | | | | | |
| 9 | | Alternative | Hypothesis | Sample 1 M | lean/Median | > Sample 2 | Mean/Mediar | 1 | | | | |
| 10 | | | | | | | | | | | 1 | |
| 11 | | | | | | | | | | | | |
| 12 | Sample 1 D | | | | | | | | | | | |
| 13 | Sample 2 D | ata: Bkgrnd | l As | | | | | | | | | |
| 14 | | | | | | | | | | | | |
| 15 | | | F | Raw Statistic | | 1 | | | | | | |
| 16 | | | | | Sample 1 | Sample 2 | 1 | | | | | |
| 17 | | | Number of \ | | 57 | 15 | | | | | | |
| 18 | | | Number of No | | 56 | 11 | | | | | | |
| 19 | | | Number of De | | 1 | 4 | | | | | | |
| 20 | | | Minimum No | | 5.5 | 5.5 | | | | | | |
| 21 | | | Maximum No | | 5.5 | 5.5 | | | | | | |
| 22 | | | Percent No | | 98.25% | 73.33% | | | | | | |
| 23 | | | | um Detect | 20 | 5.2 | | | | | | |
| 24 | | | | ım Detect | 20 | 14 | | | | | | |
| 25 | | | | of Detects | 20 | 10.8 | | | | | | |
| 26 | | | | of Detects | 20 | 12 | | | | | | |
| 27 | | | 20 (| of Detects | N/A | 3.851 | | | | | | |
| 28 | | \A/k#\A/ + | est is meant f | for a Single | Detection Li | imit Casa | | | | | | |
| 29 | Lise of Ge | | test is sugge | | | | re present | | | | | |
| 30 | USE OF GE | | ervations <= 5 | | - | | ile bieseilt | | | | | |
| 31 | | All ODSE | rauono <u> </u> | (HIGA DE) | , are rankeu | are same | | | | | | |
| 32 | | | Wilcoxon-Ma | nn-Whitney | (WMW) Ta | st | | | | | | |
| 33 | | | | 771muley | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | | | | | |
| 34 | H0: Mean/M | ledian of Sa | ample 1 <= M | ean/Median | of Sample : | 2 | | | | | | |
| 33 | | | | | 3. Junipio 1 | _ | | | | | | |
| 36 | | Sa | mple 1 Rank | Sum W-Stat | 2004 | | | | | | | |
| 37 | | | tandardized V | | | | | | | | | |
| 38 | | | | Mean (U) | | | | | | | | |
| 39 | | | SD(| (U) - Adj ties | | | | | | | | |
| 40 | An | proximate U | I-Stat Critical \ | | | | | | | | | |
| 41 | | | -Value (Adjus | | | | | | | | | |
| 42 | | | , ., | / | | | | | | | | |
| 44 | Conclusion | with Alpha | = 0.05 | | | | | | | | | |
| 45 | | | | ple 1 <= Sai | mple 2 | | | | | | | |
| 46 | | Do Not Reject H0, Conclude Sample 1 <= Sample 2 P-Value >= alpha (0.05) | | | | | | | | | | |
| | | | = / | | | | | | | | | |
| 47 | | | | | | | | | | | | |

| | A B C | D | E | F | G | Н | ı | J | К | <u> </u> |
|----|-----------------------------------|--------------|--------------|--------------|-------------|-------------|--------------|---|------|----------|
| 1 | | | | mparison Hy | | | Sets with No | | 1 13 | |
| 2 | | | | <u> </u> | | | | | | |
| 3 | User Selected Options | | | | | | | | | |
| 4 | Date/Time of Computation | ProUCL 5.1 | 8/7/2021 10: | 46:30 AM | | | | | | |
| 5 | From File | Metals in Sc | oil TCNW.xls | ; | | | | | | |
| 6 | Full Precision | OFF | | | | | | | | |
| 7 | Confidence Coefficient | 95% | | | | | | | | |
| 8 | Selected Null Hypothesis | Sample 1 M | ean/Median | <= Sample 2 | Mean/Media | an (Form 1) | | | | |
| 9 | Alternative Hypothesis | Sample 1 M | ean/Median | > Sample 2 l | Mean/Mediar | n | | | | |
| 10 | 1 | | | | | | | | | |
| 11 | | | | | | | | | | |
| | Sample 1 Data: As | | | | | | | | | |
| 13 | Sample 2 Data: Bkgrnd As | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | R | aw Statistic | s | | | | | | | |
| 16 | | | Sample 1 | Sample 2 | | | | | | |
| 17 | Number of V | alid Data | 57 | 15 | | | | | | |
| 18 | Number of Nor | -Detects | 56 | 11 | | | | | | |
| 19 | Number of De | tect Data | 1 | 4 | | | | | | |
| 20 | Minimum No | n-Detect | 5.5 | 5.5 | | | | | | |
| 21 | Maximum No | n-Detect | 5.5 | 5.5 | | | | | | |
| 22 | Percent Nor | n-detects | 98.25% | 73.33% | | | | | | |
| 23 | Minimu | m Detect | 20 | 5.2 | | | | | | |
| 24 | Maximu | m Detect | 20 | 14 | | | | | | |
| 25 | Mean o | f Detects | 20 | 10.8 | | | | | | |
| 26 | Median o | | 20 | 12 | | | | | | |
| 27 | SD o | f Detects | N/A | 3.851 | | | | | | |
| 28 | ŀ | KM Mean | 5.754 | 6.693 | | | | | | |
| 29 | | KM SD | 1.904 | 3.016 | | | | | | |
| 30 | | | | | | | | | | |
| 31 | Sample 1 vs | Sample 2 | Gehan Test | | | | | | | |
| 32 | | | | | | | | | | |
| 33 | H0: Mean/Median of Sample 1 <= Me | an/Median | of backgrou | ınd | | | | | | |
| 34 | | | | 1 | | | | | | |
| 35 | | Test Value | -2.672 | | | | | | | |
| 36 | Criti | cal z (0.05) | 1.645 | | | | | | | |
| 37 | | P-Value | 0.996 | | | | | | | |
| 38 | | | | | | | | | | |
| 39 | Conclusion with Alpha = 0.05 | | | | | | | | | |
| 40 | Do Not Reject H0, Conclude Samp | ole 1 <= Sar | mple 2 | | | | | | | |
| 41 | P-Value >= alpha (0.05) | | | | | | | | | |
| 42 | | | | | | | | | | |



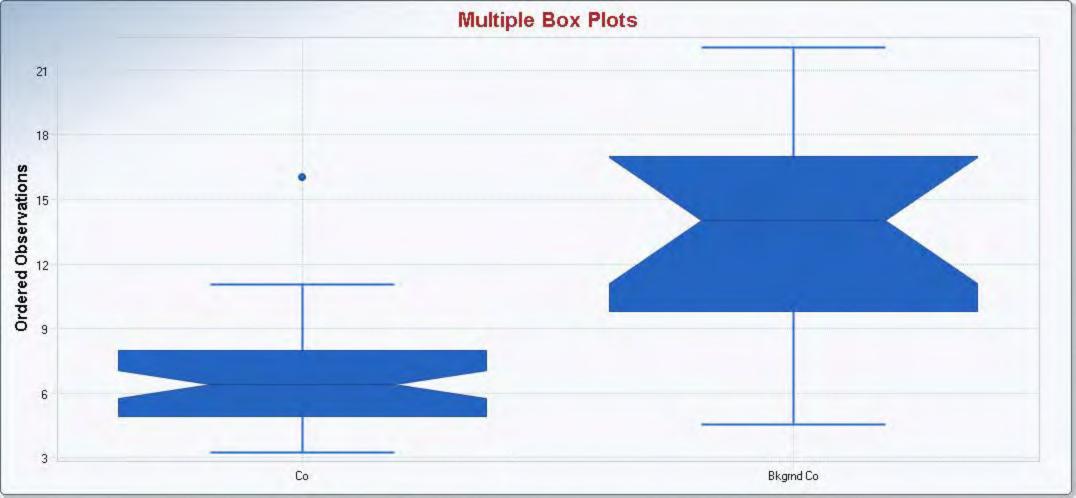
| | A B C | D | Е | F | G | Н | ı | J | К | 1 |
|----|-----------------------------------|--------------|--------------|--------------|-------------|-------------|--------------|---|-----|---|
| 1 | | | | omparison Hy | | | Sets with No | | 1 1 | |
| 2 | | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | | |
| 4 | Date/Time of Computation | ProUCL 5.1 | 8/7/2021 10 | :50:43 AM | | | | | | |
| 5 | From File | Metals in Sc | oil TCNW.xls | 3 | | | | | | |
| 6 | Full Precision | OFF | | | | | | | | |
| 7 | Confidence Coefficient | 95% | | | | | | | | |
| 8 | Selected Null Hypothesis | Sample 1 M | ean/Median | <= Sample 2 | Mean/Media | an (Form 1) | | | | |
| 9 | Alternative Hypothesis | Sample 1 M | ean/Median | > Sample 2 l | Mean/Mediar | า | | | | |
| 10 | l | | | | | | | | | |
| 11 | | | | | | | | | | |
| | Sample 1 Data: Ba | | | | | | | | | |
| 13 | Sample 2 Data: Bkgrnd Ba | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | R | aw Statistic | s | | | | | | | |
| 16 | | | Sample 1 | Sample 2 | | | | | | |
| 17 | Number of V | alid Data | 57 | 15 | | | | | | |
| 18 | Number of Nor | n-Detects | 0 | 0 | | | | | | |
| 19 | Number of De | tect Data | 57 | 15 | | | | | | |
| 20 | Minimum No | n-Detect | N/A | N/A | | | | | | |
| 21 | Maximum No | n-Detect | N/A | N/A | | | | | | |
| 22 | Percent No | n-detects | 0.00% | 0.00% | | | | | | |
| 23 | Minimu | m Detect | 26 | 48 | | | | | | |
| 24 | Maximu | m Detect | 3100 | 180 | | | | | | |
| 25 | Mean o | f Detects | 151.1 | 110.9 | | | | | | |
| 26 | Median o | f Detects | 74 | 97 | | | | | | |
| 27 | SD o | f Detects | 415.1 | 41.89 | | | | | | |
| 28 | ŀ | KM Mean | 151.1 | 110.9 | | | | | | |
| 29 | | KM SD | 415.1 | 41.89 | | | | | | |
| 30 | | | | | | | | | | |
| 31 | Sample 1 vs | Sample 2 | Gehan Test | | | | | | | |
| 32 | | | | | | | | | | |
| 33 | H0: Mean/Median of Sample 1 <= Me | ean/Median | of backgrou | ınd | | | | | | |
| 34 | | | | | | | | | | |
| 35 | | Test Value | -2.655 | | | | | | | |
| 36 | Criti | cal z (0.05) | 1.645 | | | | | | | |
| 37 | | P-Value | 0.996 | | | | | | | |
| 38 | | | | | | | | | | |
| 39 | Conclusion with Alpha = 0.05 | | | | | | | | | |
| 40 | Do Not Reject H0, Conclude Samp | ole 1 <= Sar | mple 2 | | | | | | | |
| 41 | P-Value >= alpha (0.05) | | | | | | | | | |
| 42 | | | | | | | | | | |



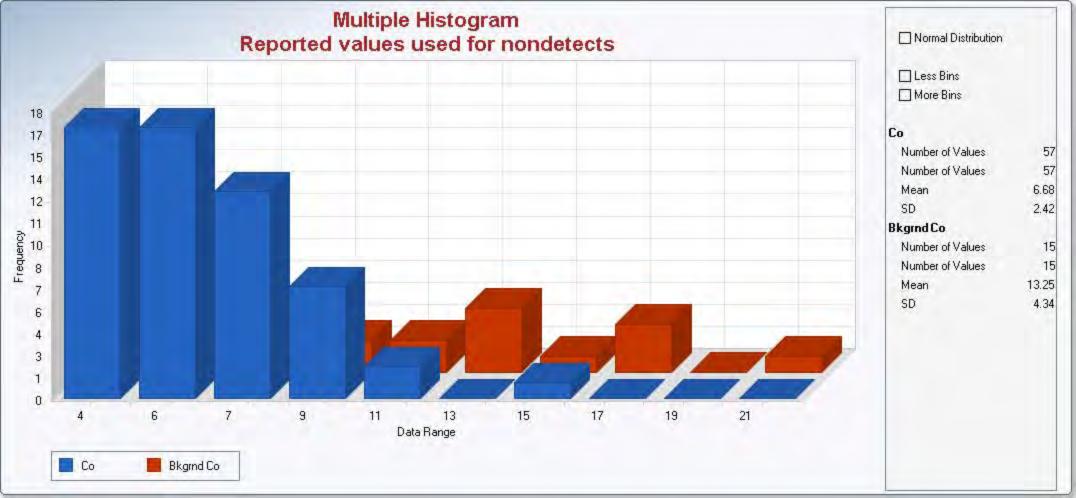


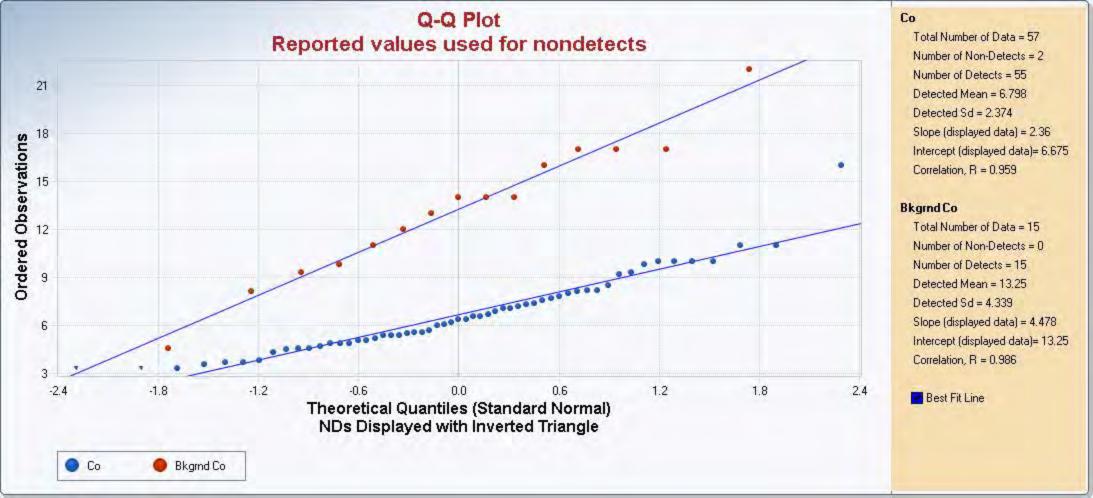
| | A B C D | D I | E | l F | G | Н | ı | J | K | <u> </u> |
|----|---------------------------------------|-----------|------------|--------------|-------------|-------------|-------------|---|---|----------|
| 1 | Tarone-Ware Sam | | | - | | | a Sets with | - | | |
| 2 | | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | | |
| 4 | Date/Time of Computation ProUC | CL 5.18/7 | 7/2021 10: | 51:09 AM | | | | | | |
| 5 | From File Metals | s in Soil | TCNW.xls | ; | | | | | | |
| 6 | Full Precision OFF | | | | | | | | | |
| 7 | Confidence Coefficient 95% | | | | | | | | | |
| 8 | Selected Null Hypothesis Samp | ole 1 Mea | n/Median | <= Sample 2 | Mean/Media | an (Form 1) | | | | |
| 9 | Alternative Hypothesis Samp | ole 1 Mea | n/Median | > Sample 2 I | Mean/Mediar | า | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |
| 12 | Sample 1 Data: Ba | | | | | | | | | |
| 13 | Sample 2 Data: Bkgrnd Ba | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | Raw St | tatistics | | | | | | | | |
| 16 | | Sa | ample 1 | Sample 2 | | | | | | |
| 17 | Number of Valid D | Data | 57 | 15 | | | | | | |
| 18 | Number of Non-Dete | ects | 0 | 0 | | | | | | |
| 19 | Number of Dete | ects | 57 | 15 | | | | | | |
| 20 | Minimum Non-Det | tect | N/A | N/A | | | | | | |
| 21 | Maximum Non-Det | tect | N/A | N/A | | | | | | |
| 22 | Percent Non-dete | ects 0. | 00% | 0.00% | | | | | | |
| 23 | Minimum Det | tect | 26 | 48 | | | | | | |
| 24 | Maximum Det | tect 3 | 3100 | 180 | | | | | | |
| 25 | Mean of Dete | ects | 151.1 | 110.9 | | | | | | |
| 26 | Median of Dete | ects | 74 | 97 | | | | | | |
| 27 | SD of Dete | ects | 415.1 | 41.89 | | | | | | |
| 28 | KM Me | ean | 151.1 | 110.9 | | | | | | |
| 29 | KM | SD | 415.1 | 41.89 | | | | | | |
| 30 | | | | | | | | | | |
| 31 | Sample 1 vs Sample | 2 Taron | e-Ware T | est | | | | | | |
| 32 | | | | | | | | | | |
| 33 | H0: Mean/Median of Sample 1 <= Mean/M | ledian of | Sample 2 | 2 | | | | | | |
| 34 | | | | 1 | | | | | | |
| 35 | TW Sta | | -3.113 | | | | | | | |
| 36 | TW Critical Value (| ` ' | 1.645 | | | | | | | |
| 37 | P-' | -Value | 0.999 | | | | | | | |
| 38 | | | | | | | | | | |
| 39 | Conclusion with Alpha = 0.05 | | | | | | | | | |
| 40 | Do Not Reject H0, Conclude Sample 1 < | <= Samp | le 2 | | | | | | | |
| 41 | P-Value >= alpha (0.05) | | | | | | | | | |
| 42 | | | | | | | | | | |

| | A B C D | Е | F | G | Н | I | J | K | L |
|----|---|--------------|-------------|--------------|--------------|-------------|-------------|---|---|
| 1 | Wilcoxon-Mann-Whitne | y Sample 1 | vs Sample 2 | Comparison | Test for Dat | a Sets with | Non-Detects | 3 | |
| 2 | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | |
| 4 | Date/Time of Computation ProUCL 5. | 18/7/2021 10 | :51:36 AM | | | | | | |
| 5 | From File Metals in S | oil TCNW.xls | S | | | | | | |
| 6 | Full Precision OFF | | | | | | | | |
| 7 | Confidence Coefficient 95% | | | | | | | | |
| 8 | Selected Null Hypothesis Sample 1 I | Mean/Median | <= Sample | 2 Mean/Media | an (Form 1) | | | | |
| 9 | Alternative Hypothesis Sample 1 I | Mean/Median | > Sample 2 | Mean/Media | n | | | | |
| 10 | | | | | | | | | |
| 11 | | | | | | | | | |
| 12 | Sample 1 Data: Ba | | | | | | | | |
| 13 | Sample 2 Data: Bkgrnd Ba | | | | | | | | |
| 14 | | | | | | | | | |
| 15 | Raw Statist | cs | | | | | | | |
| 16 | | Sample 1 | Sample 2 | | | | | | |
| 17 | Number of Valid Data | 57 | 15 | | | | | | |
| 18 | Number of Non-Detects | 0 | 0 | | | | | | |
| 19 | Number of Detect Data | 57 | 15 | | | | | | |
| 20 | Minimum Non-Detect | N/A | N/A | | | | | | |
| 21 | Maximum Non-Detect | N/A | N/A | | | | | | |
| 22 | Percent Non-detects | 0.00% | 0.00% | | | | | | |
| 23 | Minimum Detect | 26 | 48 | | | | | | |
| 24 | Maximum Detect | 3100 | 180 | | | | | | |
| 25 | Mean of Detects | 151.1 | 110.9 | | | | | | |
| 26 | Median of Detects | 74 | 97 | | | | | | |
| 27 | SD of Detects | 415.1 | 41.89 | | | | | | |
| 28 | | | | | | | | | |
| 29 | Wilcoxon-Mann-Whitne | y (WMW) Te | st | | | | | | |
| 30 | | | | | | | | | |
| 31 | H0: Mean/Median of Sample 1 <= Mean/Media | n of Sample | 2 | | | | | | |
| 32 | | | | | | | | | |
| 33 | Sample 1 Rank Sum W-Sta | | | | | | | | |
| 34 | Standardized WMW U-Sta | | | | | | | | |
| 35 | Mean (U | | | | | | | | |
| 36 | SD(U) - Adj tie | | | | | | | | |
| 37 | Approximate U-Stat Critical Value (0.05 | - | | | | | | | |
| 38 | P-Value (Adjusted for Ties | 0.996 | | | | | | | |
| 39 | _ | | | | | | | | |
| 40 | Conclusion with Alpha = 0.05 | | | | | | | | |
| 41 | Do Not Reject H0, Conclude Sample 1 <= Sa | ample 2 | | | | | | | |
| 42 | P-Value >= alpha (0.05) | | | | | | | | |
| 43 | | | | | | | | | |



| | A B C | D | E | F | G | Н | ı | J | К | |
|----|-----------------------------------|---------------|--------------|--------------|-------------|-------------|--------------|---|------|---|
| 1 | | | | mparison Hy | | | Sets with No | | 1 13 | |
| 2 | | | | <u> </u> | | | | | | |
| 3 | User Selected Options | | | | | | | | | |
| 4 | Date/Time of Computation | ProUCL 5.1 | 8/7/2021 10: | 53:47 AM | | | | | | |
| 5 | From File | Metals in Sc | oil TCNW.xls | ; | | | | | | |
| 6 | Full Precision | OFF | | | | | | | | |
| 7 | Confidence Coefficient | 95% | | | | | | | | |
| 8 | Selected Null Hypothesis | Sample 1 M | ean/Median | <= Sample 2 | Mean/Media | an (Form 1) | | | | |
| 9 | Alternative Hypothesis | Sample 1 M | ean/Median | > Sample 2 l | Mean/Mediar | n | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |
| | Sample 1 Data: Co | | | | | | | | | |
| 13 | Sample 2 Data: Bkgrnd Co | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | R | aw Statistic | s | | | | | | | |
| 16 | | | Sample 1 | Sample 2 | | | | | | |
| 17 | Number of V | alid Data | 57 | 15 | | | | | | |
| 18 | Number of Nor | n-Detects | 2 | 0 | | | | | | |
| 19 | Number of De | tect Data | 55 | 15 | | | | | | |
| 20 | Minimum No | on-Detect | 3.3 | N/A | | | | | | |
| 21 | Maximum No | on-Detect | 3.3 | N/A | | | | | | |
| 22 | Percent No | n-detects | 3.51% | 0.00% | | | | | | |
| 23 | Minimu | m Detect | 3.3 | 4.6 | | | | | | |
| 24 | Maximu | m Detect | 16 | 22 | | | | | | |
| 25 | Mean o | of Detects | 6.798 | 13.25 | | | | | | |
| 26 | Median o | of Detects | 6.4 | 14 | | | | | | |
| 27 | SD o | of Detects | 2.374 | 4.339 | | | | | | |
| 28 | ı | KM Mean | 6.675 | 13.25 | | | | | | |
| 29 | | KM SD | 2.399 | 4.339 | | | | | | |
| 30 | | | | | | | | | | |
| 31 | Sample 1 vs | s Sample 2 | Gehan Test | | | | | | | |
| 32 | | | | | | | | | | |
| 33 | H0: Mean/Median of Sample 1 <= Me | ean/Median | of backgrou | ınd | | | | | | |
| 34 | | | | 1 | | | | | | |
| 35 | | Test Value | -4.818 | | | | | | | |
| 36 | Crit | ical z (0.05) | 1.645 | | | | | | | |
| 37 | | P-Value | 1 | | | | | | | |
| 38 | | | | | | | | | | |
| 39 | Conclusion with Alpha = 0.05 | | | | | | | | | |
| 40 | Do Not Reject H0, Conclude Samp | ole 1 <= Sar | mple 2 | | | | | | | |
| 41 | P-Value >= alpha (0.05) | | | | | | | | | |
| 42 | | | | | | | | | | |



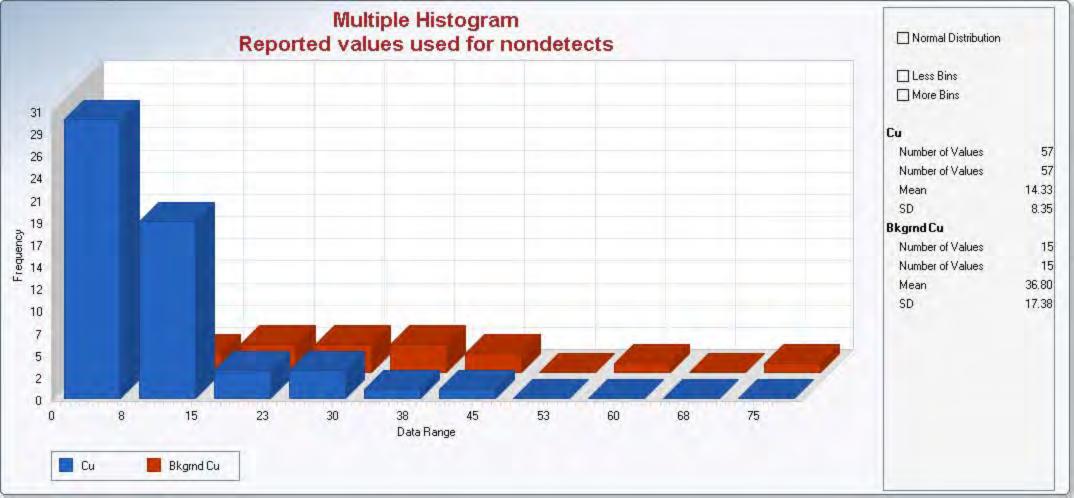


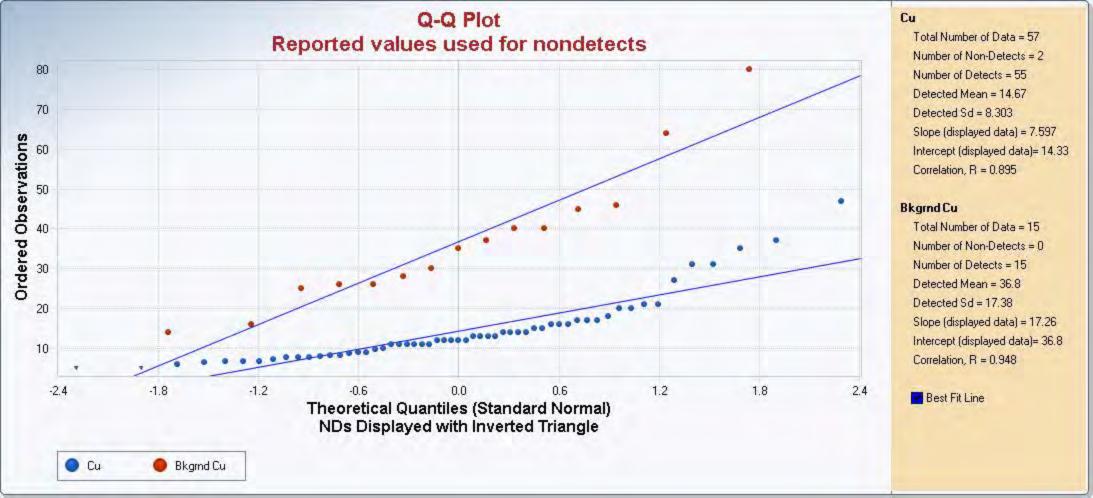
| | A B C D | <u> </u> | | l F | G | Н | ı | J | K | <u> </u> |
|----|--|-------------|------------|--------------|-------------|-------------|-------------|---|---|----------|
| 1 | Tarone-Ware Samp | | | - | _ | | a Sets with | | | |
| 2 | | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | | |
| 4 | Date/Time of Computation ProUC | CL 5.18/7 | 7/2021 10: | 54:12 AM | | | | | | |
| 5 | From File Metals | s in Soil 7 | TCNW.xls | | | | | | | |
| 6 | Full Precision OFF | | | | | | | | | |
| 7 | Confidence Coefficient 95% | | | | | | | | | |
| 8 | Selected Null Hypothesis Sample | le 1 Meai | n/Median | <= Sample 2 | Mean/Media | an (Form 1) | | | | |
| 9 | Alternative Hypothesis Sample | le 1 Mea | n/Median | > Sample 2 I | Mean/Mediar | า | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |
| | Sample 1 Data: Co | | | | | | | | | |
| 13 | Sample 2 Data: Bkgrnd Co | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | Raw Sta | atistics | | | | | | | | |
| 16 | | Sa | ample 1 | Sample 2 | | | | | | |
| 17 | Number of Valid Da | ata | 57 | 15 | | | | | | |
| 18 | Number of Non-Detec | ects | 2 | 0 | | | | | | |
| 19 | Number of Detec | ects | 55 | 15 | | | | | | |
| 20 | Minimum Non-Dete | tect | 3.3 | N/A | | | | | | |
| 21 | Maximum Non-Dete | tect | 3.3 | N/A | | | | | | |
| 22 | Percent Non-detec | ects 3.5 | 51% | 0.00% | | | | | | |
| 23 | Minimum Dete | tect | 3.3 | 4.6 | | | | | | |
| 24 | Maximum Dete | tect | 16 | 22 | | | | | | |
| 25 | Mean of Detec | ects | 6.798 | 13.25 | | | | | | |
| 26 | Median of Detec | ects | 6.4 | 14 | | | | | | |
| 27 | SD of Detec | ects | 2.374 | 4.339 | | | | | | |
| 28 | KM Me | ean | 6.675 | 13.25 | | | | | | |
| 29 | KM S | SD | 2.399 | 4.339 | | | | | | |
| 30 | | | | | | | | | | |
| 31 | Sample 1 vs Sample 2 | 2 Taron | e-Ware T | est | | | | | | |
| 32 | | | | | | | | | | |
| 33 | H0: Mean/Median of Sample 1 <= Mean/Me | edian of | Sample 2 | ? | | | | | | |
| 34 | | | | | | | | | | |
| 35 | TW Sta | | -6.311 | | | | | | | |
| 36 | TW Critical Value (| | 1.645 | | | | | | | |
| 37 | P-\ | Value | 1 | | | | | | | |
| 38 | | | <u></u> | | | | | | | |
| 39 | Conclusion with Alpha = 0.05 | | | | | | | | | |
| 40 | Do Not Reject H0, Conclude Sample 1 < | <= Sampl | le 2 | | | | | | | |
| 41 | P-Value >= alpha (0.05) | | | | | | | | | |
| 42 | | | | | | | | | | |

| | A B C | D | E | F | G | Н | l | J | K | L |
|----|-----------------------------------|---------------|--------------|--------------|-------------|--------------|-------------|-------------|---|---|
| 1 | Wilcoxon-Ma | nn-Whitney | / Sample 1 v | vs Sample 2 | Comparison | Test for Dat | a Sets with | Non-Detects | 3 | |
| 2 | | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | | |
| 4 | Date/Time of Computation | ProUCL 5.1 | 8/7/2021 10 | :54:40 AM | | | | | | |
| 5 | From File | Metals in So | oil TCNW.xls | 5 | | | | | | |
| 6 | | OFF | | | | | | | | |
| 7 | | 95% | | | | | | | | |
| 8 | | - | | <= Sample 2 | | • | | | | |
| 9 | Alternative Hypothesis | Sample 1 M | ean/Median | > Sample 2 l | Mean/Median | l | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |
| 12 | Sample 1 Data: Co | | | | | | | | | |
| 13 | Sample 2 Data: Bkgrnd Co | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | R | aw Statistic | | | | | | | | |
| 16 | | | Sample 1 | Sample 2 | | | | | | |
| 17 | Number of V | | 57 | 15 | | | | | | |
| 18 | Number of Nor | | 2 | 0 | | | | | | |
| 19 | Number of De | | 55 | 15 | | | | | | |
| 20 | Minimum No | | 3.3 | N/A | | | | | | |
| 21 | Maximum No | | 3.3 | N/A | | | | | | |
| 22 | Percent No. | | 3.51% | 0.00% | | | | | | |
| 23 | | m Detect | 3.3 | 4.6 | | | | | | |
| 24 | | m Detect | 16 | 22 | | | | | | |
| 25 | | f Detects | 6.798 | 13.25 | | | | | | |
| 26 | Median o | | 6.4 | 14 | | | | | | |
| 27 | SD o | f Detects | 2.374 | 4.339 | | | | | | |
| 28 | | | | | | | | | | |
| 29 | Wilcoxon-Ma | nn-Whitney | (WMW) Tes | st | | | | | | |
| 30 | | | | | | | | | | |
| 31 | H0: Mean/Median of Sample 1 <= Me | ean/Median | of Sample 2 | 2 | | | | | | |
| 32 | <u> </u> | | 170- | | | | | | | |
| 33 | Sample 1 Rank S | | | | | | | | | |
| 34 | Standardized W | | | | | | | | | |
| 35 | | Mean (U) | 427.5 | | | | | | | |
| 36 | | U) - Adj ties | | | | | | | | |
| 37 | Approximate U-Stat Critical \ | | | | | | | | | |
| 38 | P-Value (Adjust | ed for Ties) | 1 | | | | | | | |
| 39 | | | | | | | | | | |
| 40 | Conclusion with Alpha = 0.05 | | | | | | | | | |
| 41 | Do Not Reject H0, Conclude Samp | ole 1 <= Sar | mple 2 | | | | | | | |
| 42 | P-Value >= alpha (0.05) | | | | | | | | | |
| 43 | | | | | | | | | | |



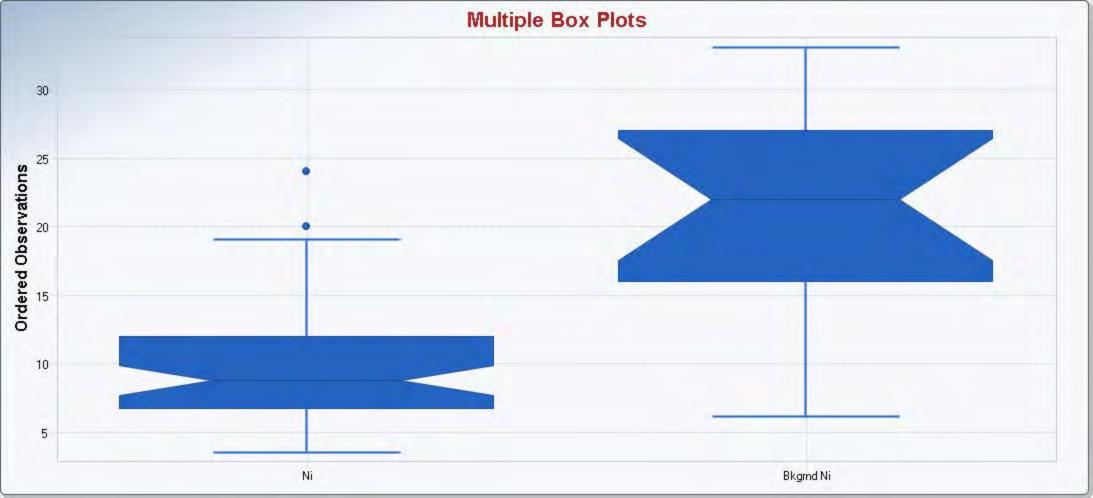
| | A B C I | D I | E | l F | l G | Н | ı | l j | К | <u> </u> |
|----|---------------------------------------|--------------|------------|-------------|--------------|-------------|-------------|-----|-----|----------|
| 1 | Gehan Sample | _ | | | | | ets with No | _ | I K | <u> </u> |
| 2 | <u> </u> | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | | |
| 4 | Date/Time of Computation ProUC | CL 5.18/7 | 7/2021 11: | :00:48 AM | | | | | | |
| 5 | From File Metals | ls in Soil 7 | TCNW.xls | ; | | | | | | |
| 6 | Full Precision OFF | | | | | | | | | |
| 7 | Confidence Coefficient 95% | | | | | | | | | |
| 8 | Selected Null Hypothesis Samp | ple 1 Mea | n/Median | <= Sample 2 | 2 Mean/Media | an (Form 1) | | | | |
| 9 | Alternative Hypothesis Samp | ole 1 Mea | n/Median | > Sample 2 | Mean/Media | n | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |
| | Sample 1 Data: Cu | | | | | | | | | |
| 13 | Sample 2 Data: Bkgrnd Cu | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | Raw St | tatistics | | | | | | | | |
| 16 | | Sa | ample 1 | Sample 2 | | | | | | |
| 17 | Number of Valid D | Data | 57 | 15 | | | | | | |
| 18 | Number of Non-Dete | ects | 2 | 0 | | | | | | |
| 19 | Number of Detect D | Data | 55 | 15 | | | | | | |
| 20 | Minimum Non-De | etect | 5 | N/A | | | | | | |
| 21 | Maximum Non-De | etect | 5 | N/A | | | | | | |
| 22 | Percent Non-dete | ects 3. | 51% | 0.00% | | | | | | |
| 23 | Minimum De | etect | 6.2 | 14 | | | | | | |
| 24 | Maximum De | etect | 47 | 80 | | | | | | |
| 25 | Mean of Dete | ects | 14.67 | 36.8 | | | | | | |
| 26 | Median of Dete | ects | 12 | 35 | | | | | | |
| 27 | SD of Dete | ects | 8.303 | 17.38 | | | | | | |
| 28 | KM Me | lean | 14.33 | 36.8 | | | | | | |
| 29 | КМ | ISD | 8.275 | 17.38 | | | | | | |
| 30 | | | | | | | | | | |
| 31 | Sample 1 vs Sam | nple 2 Ge | han Test | | | | | | | |
| 32 | | | | | | | | | | |
| 33 | H0: Mean/Median of Sample 1 <= Mean/M | /ledian of | backgrou | ınd | | | | | | |
| 34 | | | | | | | | | | |
| 35 | Gehan z Test | Value | -4.985 | | | | | | | |
| 36 | Critical z | | 1.645 | | | | | | | |
| 37 | P- | -Value | 1 | | | | | | | |
| 38 | | | | | | | | | | |
| 39 | Conclusion with Alpha = 0.05 | | | | | | | | | |
| 40 | Do Not Reject H0, Conclude Sample 1 | <= Samp | le 2 | | | | | | | |
| 41 | P-Value >= alpha (0.05) | | | | | | | | | |
| 42 | | | | | | | | | | |



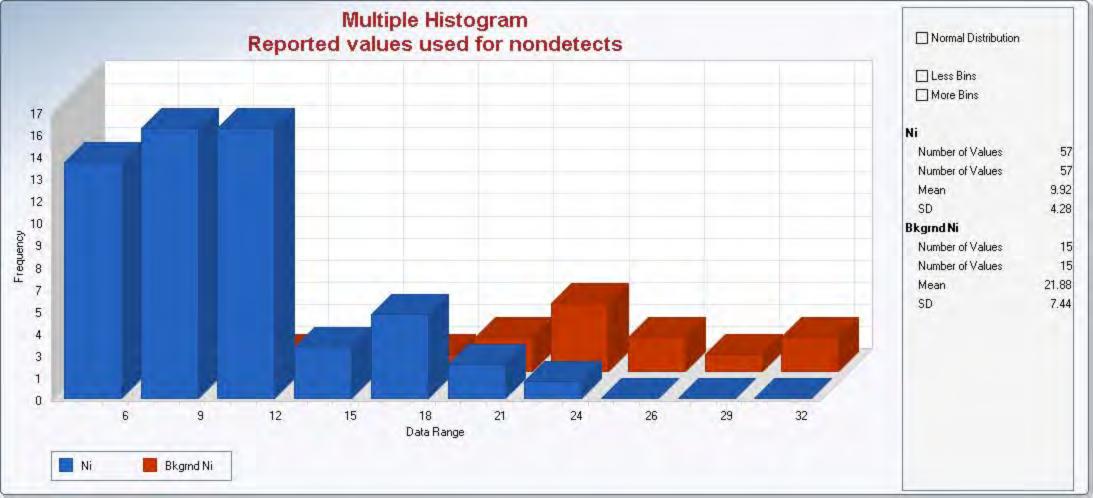


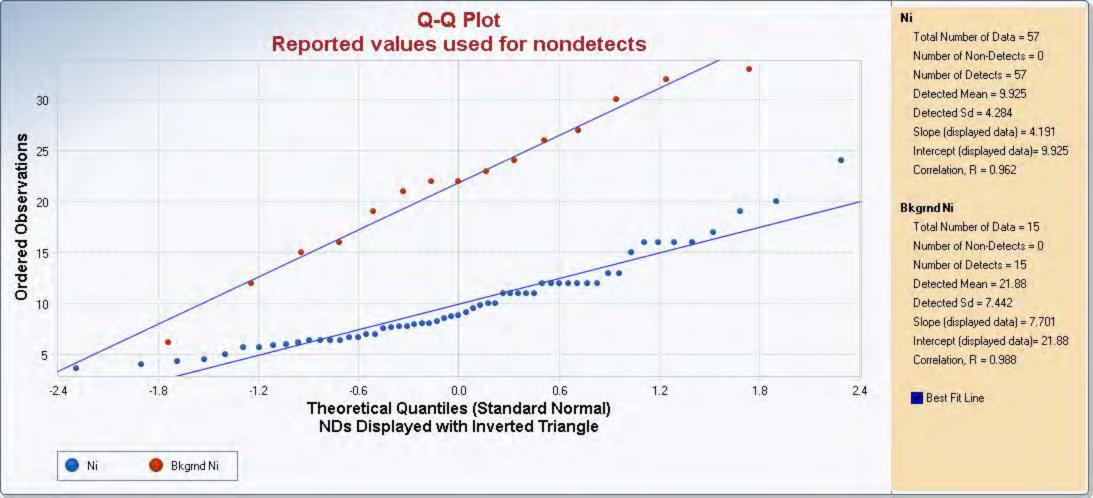
| | A B C D | T E | l F | G | Н | 1 | J | K | |
|----|---|--------------|------------------|--------------|-------------|-------------|---|---|-------------|
| 1 | Tarone-Ware Sample | | - | | | a Sets with | - | | |
| 2 | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | |
| 4 | Date/Time of Computation ProUCL | 5.18/7/2021 | I 11:01:15 AM | | | | | | |
| 5 | From File Metals in | n Soil TCNW | V.xls | | | | | | |
| 6 | Full Precision OFF | | | | | | | | |
| 7 | Confidence Coefficient 95% | | | | | | | | |
| 8 | Selected Null Hypothesis Sample | 1 Mean/Med | dian <= Sample 2 | 2 Mean/Media | an (Form 1) | | | | |
| 9 | Alternative Hypothesis Sample | 1 Mean/Med | dian > Sample 2 | Mean/Media | n | | | | |
| 10 | | | | | | | | | |
| 11 | | | | | | | | | |
| | Sample 1 Data: Cu | | | | | | | | |
| 13 | Sample 2 Data: Bkgrnd Cu | | | | | | | | |
| 14 | | | | | | | | | |
| 15 | Raw Stati | istics | | | | | | | |
| 16 | | Sample | 1 Sample 2 | | | | | | |
| 17 | Number of Valid Data | a 57 | 15 | | | | | | |
| 18 | Number of Non-Detects | s 2 | 0 | | | | | | |
| 19 | Number of Detects | s 55 | 15 | | | | | | |
| 20 | Minimum Non-Detec | t 5 | N/A | | | | | | |
| 21 | Maximum Non-Detec | t 5 | N/A | | | | | | |
| 22 | Percent Non-detects | s 3.51% | 0.00% | | | | | | |
| 23 | Minimum Detec | t 6.2 | 14 | | | | | | |
| 24 | Maximum Detec | t 47 | 80 | | | | | | |
| 25 | Mean of Detects | s 14.6 | 7 36.8 | | | | | | |
| 26 | Median of Detects | s 12 | 35 | | | | | | |
| 27 | SD of Detects | s 8.30 | 17.38 | | | | | | |
| 28 | KM Mear | n 14.3 | 3 36.8 | | | | | | |
| 29 | KM SE | 8.27 | 75 17.38 | | | | | | |
| 30 | | | | | | | | | |
| 31 | Sample 1 vs Sample 2 | Tarone-Wa | re Test | | | | | | |
| 32 | | | | | | | | | |
| 33 | H0: Mean/Median of Sample 1 <= Mean/Med | lian of Samp | ple 2 | | | | | | |
| 34 | | | | | | | | | |
| 35 | TW Statis | | | | | | | | |
| 36 | TW Critical Value (0. | · | 15 | | | | | | |
| 37 | P-Va | lue 1 | | | | | | | |
| 38 | | | | | | | | | |
| 39 | Conclusion with Alpha = 0.05 | | | | | | | | |
| 40 | Do Not Reject H0, Conclude Sample 1 <= | Sample 2 | | | | | | | |
| 41 | P-Value >= alpha (0.05) | | | | | | | | |
| 42 | | | | | | | | | |

| | _ | D | E | F | G | Н | I | J | К | L |
|----|---------------------------------------|-------------|----------------|------------|-------------|-------------|--------------|-------------|---|---|
| 1 | Wilcoxon-Mann-V | Vhitney | Sample 1 v | s Sample 2 | Comparisor | Test for Da | ta Sets with | Non-Detects | 3 | |
| 2 | | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | | |
| 4 | ' | CL 5.18 | 8/7/2021 11: | 01:41 AM | | | | | | |
| 5 | From File Meta | ls in So | il TCNW.xls | 1 | | | | | | |
| 6 | Full Precision OFF | | | | | | | | | |
| 7 | Confidence Coefficient 95% | | | | | | | | | |
| 8 | • • | | | | 2 Mean/Medi | | | | | |
| 9 | Alternative Hypothesis Sam | ple 1 M | ean/Median | > Sample 2 | Mean/Media | n | | | | |
| 10 | | | | | | | 1 | 1 | | |
| 11 | | | | | | | | | | |
| 12 | Sample 1 Data: Cu | | | | | | | | | |
| 13 | Sample 2 Data: Bkgrnd Cu | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | Raw S | statistic | | 10 : 5 | | | | | | |
| 16 | | | Sample 1 | Sample 2 | | | | | | |
| 17 | Number of Valid I | | 57 | 15 | | | | | | |
| 18 | Number of Non-Det | | 2 | 0 | | | | | | |
| 19 | Number of Detect I | | 55 | 15 | | | | | | |
| 20 | Minimum Non-De | | 5 | N/A | | | | | | |
| 21 | Maximum Non-De | | 5 | N/A | | | | | | |
| 22 | Percent Non-det | | 3.51% | 0.00% | | | | | | |
| 23 | Minimum De | | 6.2 | 14 | | | | | | |
| 24 | Maximum De | | 47 | 80 | | | | | | |
| 25 | Mean of Det | | 14.67 | 36.8 | | | | | | |
| 26 | Median of Det | | 12 | 35 | | | | | | |
| 27 | SD of Det | ects | 8.303 | 17.38 | | | | | | |
| 28 | Mills and Many M | <i>(</i> - | 04/4 040 T- | | | | | | | |
| 29 | Wilcoxon-Mann-W | nitney | (vvivivv) i es | ST | | | | | | |
| 30 | H0: Mean/Median of Sample 1 <= Mean/M | Andian | of Comple |) | | | | | | |
| 31 | no. Mean/Median of Sample 1 <- Mean/M | vieuiaii | oi Sample 2 | 4 | | | | | | |
| 32 | Sample 1 Rank Sum | M Stat | 1726 | 1 | | | | | | |
| 33 | Standardized WMW | | | | | | | | | |
| 34 | | ean (U) | | | | | | | | |
| 35 | SD(U) - A | | 72.05 | | | | | | | |
| 36 | Approximate U-Stat Critical Value | - | | | | | | | | |
| 37 | P-Value (Adjusted for | | | | | | | | | |
| 38 | i value (, lajusteu le | | • | | | | | | | |
| 39 | Conclusion with Alpha = 0.05 | | | | | | | | | |
| 40 | Do Not Reject H0, Conclude Sample 1 | <= Sar | nnle 2 | | | | | | | |
| 41 | P-Value >= alpha (0.05) | - Cai | iipio £ | | | | | | | |
| 42 | i valuo – aipila (0.00) | | | | | | | | | |
| 43 | | | | | | | | | | |



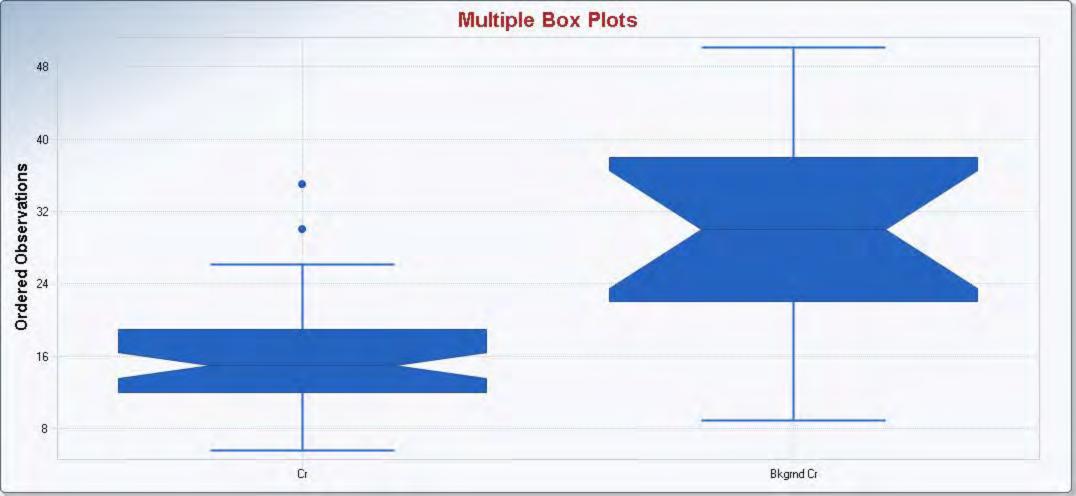
| | A B C | D | E | F | G | Н | l i | J | К | | | |
|----|-----------------------------------|-----------------------|-----------------------------|--------------|-------------|-------------|--------------|---|------|---|--|--|
| 1 | | | | mparison Hy | | | Sets with No | _ | 1 13 | | | |
| 2 | | | | | | | | | | | | |
| 3 | User Selected Options | User Selected Options | | | | | | | | | | |
| 4 | Date/Time of Computation | ProUCL 5.1 | UCL 5.18/7/2021 11:02:04 AM | | | | | | | | | |
| 5 | From File | Metals in Sc | als in Soil TCNW.xls | | | | | | | | | |
| 6 | Full Precision | OFF | | | | | | | | | | |
| 7 | Confidence Coefficient | 95% | | | | | | | | | | |
| 8 | Selected Null Hypothesis | Sample 1 M | ean/Median | <= Sample 2 | Mean/Media | an (Form 1) | | | | | | |
| 9 | Alternative Hypothesis | Sample 1 M | ean/Median | > Sample 2 l | Mean/Mediar | า | | | | | | |
| 10 | | | <u> </u> | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| | Sample 1 Data: Ni | | | | | | | | | | | |
| 13 | Sample 2 Data: Bkgrnd Ni | | | | | | | | | | | |
| 14 | | | | | | | | | | | | |
| 15 | R | aw Statistic | s | | | | | | | | | |
| 16 | | | Sample 1 | Sample 2 | | | | | | | | |
| 17 | Number of V | 'alid Data | 57 | 15 | | | | | | | | |
| 18 | Number of Nor | n-Detects | 0 | 0 | | | | | | | | |
| 19 | Number of De | tect Data | 57 | 15 | | | | | | | | |
| 20 | Minimum No | on-Detect | N/A | N/A | | | | | | | | |
| 21 | Maximum No | on-Detect | N/A | N/A | | | | | | | | |
| 22 | Percent No | n-detects | 0.00% | 0.00% | | | | | | | | |
| 23 | Minimu | m Detect | 3.6 | 6.2 | | | | | | | | |
| 24 | Maximu | m Detect | 24 | 33 | | | | | | | | |
| 25 | Mean o | of Detects | 9.925 | 21.88 | | | | | | | | |
| 26 | Median o | of Detects | 8.8 | 22 | | | | | | | | |
| 27 | SD o | of Detects | 4.284 | 7.442 | | | | | | | | |
| 28 | I | KM Mean | 9.925 | 21.88 | | | | | | | | |
| 29 | | KM SD | 4.284 | 7.442 | | | | | | | | |
| 30 | | | | | | | | | | | | |
| 31 | Sample 1 vs | s Sample 2 | Gehan Test | | | | | | | | | |
| 32 | | | | | | | | | | | | |
| 33 | H0: Mean/Median of Sample 1 <= Me | ean/Median | of backgrou | ınd | | | | | | | | |
| 34 | | | | | | | | | | | | |
| 35 | | Test Value | -4.874 | | | | | | | | | |
| 36 | Crit | ical z (0.05) | 1.645 | | | | | | | | | |
| 37 | | P-Value | 1 | | | | | | | | | |
| 38 | | | | | | | | | | | | |
| 39 | Conclusion with Alpha = 0.05 | | | | | | | | | | | |
| 40 | D N - D | | | | | | | | | | | |
| 41 | P-Value >= alpha (0.05) | | | | | | | | | | | |
| 42 | | | | | | | | | | | | |



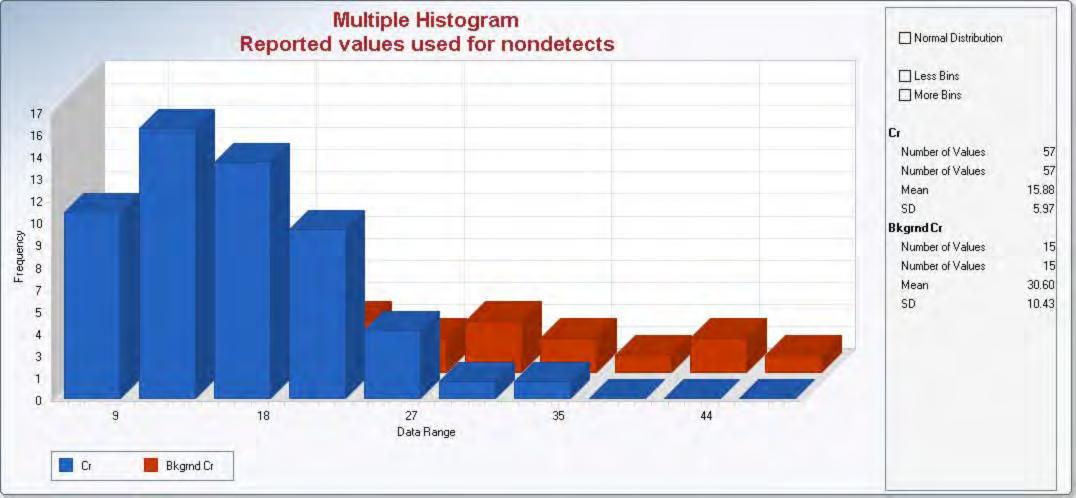


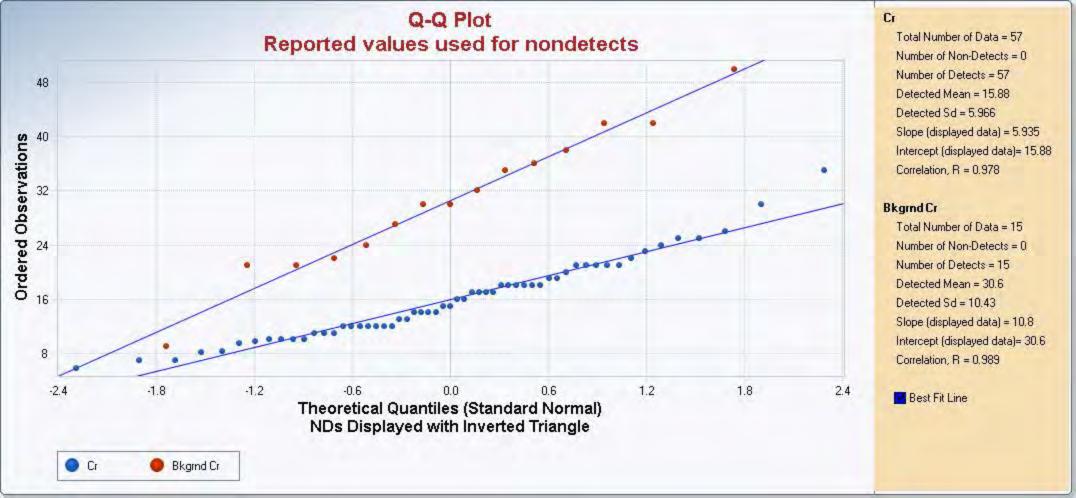
| | A B C | D | E | l F | G | Н | 1 | J | K | Π ι | |
|----|--|--------------|-------------|----------|----|---|-------------|---|---|-----|--|
| 1 | Tarone-Ware S | | | - | | | a Sets with | | | | |
| 2 | | | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | | | |
| 4 | Date/Time of Computation Pr | roUCL 5.18 | 8/7/2021 11 | | | | | | | | |
| 5 | From File M | letals in So | il TCNW.xls | 3 | | | | | | | |
| 6 | Full Precision O | | | | | | | | | | |
| 7 | Confidence Coefficient 95 | | | | | | | | | | |
| 8 | Selected Null Hypothesis Sa | an (Form 1) | | | | | | | | | |
| 9 | Alternative Hypothesis Sa | n | | | | | | | | | |
| 10 | Alternative Hypothesis Sample 1 Mean/Median > Sample 2 Mean/Median | | | | | | | | | | |
| 11 | | | | | | | | | | | |
| 12 | Sample 1 Data: Ni | | | | | | | | | | |
| 13 | Sample 2 Data: Bkgrnd Ni | | | | | | | | | | |
| 14 | | | | | | | | | | | |
| 15 | Ra | w Statistic | s | | | | | | | | |
| 16 | | | Sample 1 | Sample 2 | | | | | | | |
| 17 | Number of Val | lid Data | 57 | 15 | | | | | | | |
| 18 | Number of Non-l | Detects | 0 | 0 | | | | | | | |
| 19 | Number of I | 57 | 15 | | | | | | | | |
| 20 | Minimum Non | -Detect | N/A | N/A | | | | | | | |
| 21 | Maximum Non | -Detect | N/A | N/A | | | | | | | |
| 22 | Percent Non- | detects | 0.00% | 0.00% | | | | | | | |
| 23 | Minimum | Detect | 3.6 | 6.2 | | | | | | | |
| 24 | Maximum | Detect | 24 | 33 | | | | | | | |
| 25 | Mean of I | Detects | 9.925 | 21.88 | | | | | | | |
| 26 | Median of I | Detects | 8.8 | 22 | | | | | | | |
| 27 | SD of I | Detects | 4.284 | 7.442 | | | | | | | |
| 28 | | M Mean | 9.925 | 21.88 | | | | | | | |
| 29 | | KM SD | 4.284 | 7.442 | | | | | | | |
| 30 | <u> </u> | | | | | | | | | | |
| 31 | Sample 1 vs San | nple 2 Tar | one-Ware T | est | | | | | | | |
| 32 | | | | | | | | | | | |
| 33 | H0: Mean/Median of Sample 1 <= Mea | n/Median | of Sample 2 | 2 | | | | | | | |
| 34 | | | | T. | T. | | | | | | |
| 35 | | V Statistic | -6.342 | | | | | | | | |
| 36 | TW Critical Va | ` , | 1.645 | | | | | | | | |
| 37 | | P-Value | 1 | | | | | | | | |
| 38 | | | | | | | | | | | |
| 39 | Conclusion with Alpha = 0.05 | | | | | | | | | | |
| 40 | Do Not Reject H0, Conclude Sample | e 1 <= San | nple 2 | | | | | | | | |
| 41 | P-Value >= alpha (0.05) | | | | | | | | | | |
| 42 | | | | | | | | | | | |

| | A B C D | Е | F | G | Н | 1 | J | K | | | |
|----|--|----------------------------|---------------|-------------|--------------|-------------|-------------|---|---|--|--|
| 1 | Wilcoxon-Mann-Whitne | y Sample 1 | vs Sample 2 | Comparison | Test for Dat | a Sets with | Non-Detects | | | | |
| 2 | | | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | | | |
| 4 | Date/Time of Computation ProUCL 5.1 | CL 5.18/7/2021 11:02:53 AM | | | | | | | | | |
| 5 | From File Metals in S | ls in Soil TCNW.xls | | | | | | | | | |
| 6 | Full Precision OFF | | | | | | | | | | |
| 7 | Confidence Coefficient 95% | | | | | | | | | | |
| 8 | * | | n <= Sample 2 | | | | | | | | |
| 9 | Alternative Hypothesis Sample 1 N | lean/Media | n > Sample 2 | Mean/Mediar | 1 | | | | | | |
| 10 | | | | | | | | | | | |
| 11 | | | | | | | | | | | |
| 12 | Sample 1 Data: Ni | | | | | | | | | | |
| 13 | Sample 2 Data: Bkgrnd Ni | | | | | | | | | | |
| 14 | | | | | | | | | | | |
| 15 | Raw Statistic | | | | | | | | | | |
| 16 | | Sample 1 | Sample 2 | | | | | | | | |
| 17 | Number of Valid Data | 57 | 15 | | | | | | | | |
| 18 | Number of Non-Detects | 0 | 0 | | | | | | | | |
| 19 | Number of Detect Data | 57 | 15 | | | | | | | | |
| 20 | | Minimum Non-Detect N/A N/A | | | | | | | | | |
| 21 | Maximum Non-Detect | N/A | N/A | | | | | | | | |
| 22 | Percent Non-detects | 0.00% | 0.00% | | | | | | | | |
| 23 | Minimum Detect | 3.6 | 6.2 | | | | | | | | |
| 24 | Maximum Detect | 24 | 33 | | | | | | | | |
| 25 | Mean of Detects | 9.925 | 21.88 | | | | | | | | |
| 26 | Median of Detects | 8.8 | 22 | | | | | | | | |
| 27 | SD of Detects | 4.284 | 7.442 | | | | | | | | |
| 28 | NOT 14 140 14 | 040 DAG T | | | | | | | | | |
| 29 | Wilcoxon-Mann-Whitney | (VVMVV) Fe | est | | | | | | | | |
| 30 | LIO. Many (Madien of Completed on Many (Madien | of Openius | | | | | | | | | |
| 31 | H0: Mean/Median of Sample 1 <= Mean/Median | oi sampie | | | | | | | | | |
| 32 | Sample 1 Rank Sum W-Sta | 1737 | | | | | | | | | |
| 33 | Sample 1 Rank Sum W-Sta | | | | | | | | | | |
| 34 | Standardized vviviv U-Sta Mean (U) | | | | | | | | | | |
| 35 | SD(U) - Adj ties | | | | | | | | | | |
| 36 | Approximate U-Stat Critical Value (0.05) | | | | | | | | | | |
| 37 | P-Value (Adjusted for Ties) | | | | | | | | | | |
| 38 | r-value (Aujusteu for Hes) | 1 | | | | | | | | | |
| 39 | Conclusion with Alpha = 0.05 | | | | | | | | | | |
| 40 | Do Not Reject H0, Conclude Sample 1 <= Sa | mnle ? | | | | | | | _ | | |
| 41 | | | | | | | | | | | |
| 42 | P-Value >= alpha (0.05) | | | | | | | | | | |
| 43 | | | | | | | | | | | |



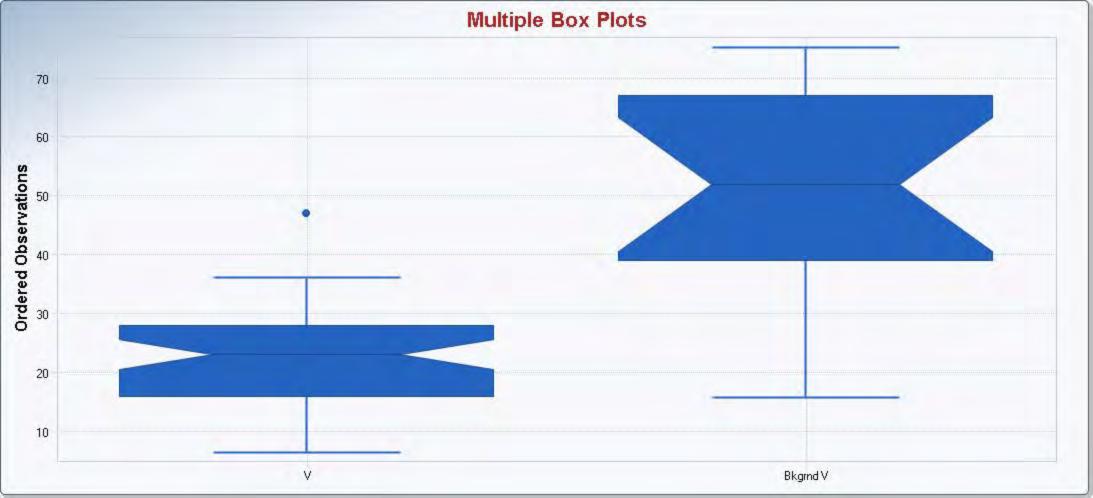
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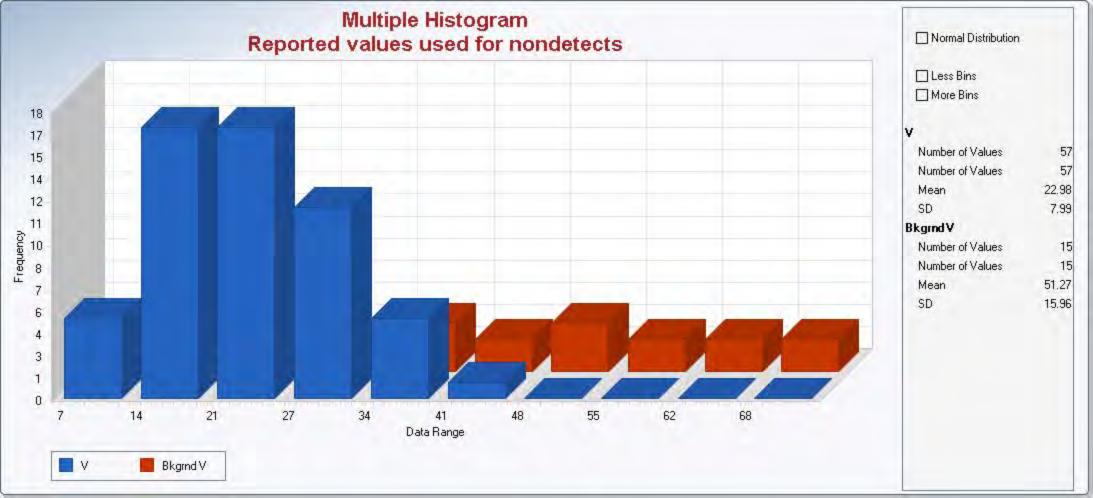




| | A B C D | l E | l F | G | Н | 1 | J | K | | | |
|----|---|--------------|----------|---|---|-------------|---|---|-------------|--|--|
| 1 | Tarone-Ware Sample | | - | | | a Sets with | - | | | | |
| 2 | | | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | | | |
| 4 | Date/Time of Computation ProUCL | | | | | | | | | | |
| 5 | From File Metals in | Soil TCNW. | xls | | | | | | | | |
| 6 | Full Precision OFF | | | | | | | | | | |
| 7 | Confidence Coefficient 95% | | | | | | | | | | |
| 8 | Selected Null Hypothesis Sample | an (Form 1) | | | | | | | | | |
| 9 | Alternative Hypothesis Sample | n | | | | | | | | | |
| 10 | | | | | | | | | | | |
| 11 | | | | | | | | | | | |
| | Sample 1 Data: Cr | | | | | | | | | | |
| 13 | Sample 2 Data: Bkgrnd Cr | | | | | | | | | | |
| 14 | | | | | | | | | | | |
| 15 | Raw Stati | stics | | | | | | | | | |
| 16 | | Sample 7 | Sample 2 | | | | | | | | |
| 17 | Number of Valid Data | a 57 | 15 | | | | | | | | |
| 18 | Number of Non-Detects | s 0 | 0 | | | | | | | | |
| 19 | Number of Detects | s 57 | 15 | | | | | | | | |
| 20 | Minimum Non-Detec | t N/A | N/A | | | | | | | | |
| 21 | Maximum Non-Detec | t N/A | N/A | | | | | | | | |
| 22 | Percent Non-detects | s 0.00% | 0.00% | | | | | | | | |
| 23 | Minimum Detec | t 5.7 | 9 | | | | | | | | |
| 24 | Maximum Detec | t 35 | 50 | | | | | | | | |
| 25 | Mean of Detects | s 15.88 | 30.6 | | | | | | | | |
| 26 | Median of Detects | s 15 | 30 | | | | | | | | |
| 27 | SD of Detects | 5.966 | 10.43 | | | | | | | | |
| 28 | KM Mear | n 15.88 | 30.6 | | | | | | | | |
| 29 | KM SE | 5.966 | 10.43 | | | | | | | | |
| 30 | | ' | | | | | | | | | |
| 31 | Sample 1 vs Sample 2 | Tarone-Ware | e Test | | | | | | | | |
| 32 | | | | | | | | | | | |
| 33 | H0: Mean/Median of Sample 1 <= Mean/Med | ian of Sampl | e 2 | | | | | | | | |
| 34 | | | | | | | | | | | |
| 35 | TW Statis | | | | | | | | | | |
| 36 | TW Critical Value (0. | 05) 1.645 | 5 | | | | | | | | |
| 37 | P-Va | lue 1 | | | | | | | | | |
| 38 | | · | • | | | | | | | | |
| 39 | Conclusion with Alpha = 0.05 | | | | | | | | | | |
| 40 | Do Not Reject H0, Conclude Sample 1 <= | Sample 2 | | | | | | | | | |
| 41 | P-Value >= alpha (0.05) | | | | | | | | | | |
| 42 | | | | | | | | | | | |

| | A B C D | Е | F | G | Н | I | J | K | L | | | |
|----|--|----------------------------|-------------|-------------|--------------|-------------|-------------|---|---|--|--|--|
| 1 | Wilcoxon-Mann-Whitne | y Sample 1 | vs Sample 2 | Comparison | Test for Dat | a Sets with | Non-Detects | | | | | |
| 2 | | | | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | | | | |
| 4 | Date/Time of Computation ProUCL 5.1 | 8/7/2021 10 | :58:13 AM | | | | | | | | | |
| 5 | From File Metals in So | etals in Soil TCNW.xls | | | | | | | | | | |
| 6 | Full Precision OFF | | | | | | | | | | | |
| 7 | Confidence Coefficient 95% | | | | | | | | | | | |
| 8 | Selected Null Hypothesis Sample 1 N | lean/Mediar | <= Sample 2 | | | | | | | | | |
| 9 | Alternative Hypothesis Sample 1 M | lean/Mediar | > Sample 2 | Mean/Mediar | 1 | | | | | | | |
| 10 | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | Sample 1 Data: Cr | | | | | | | | | | | |
| 13 | Sample 2 Data: Bkgrnd Cr | | | | | | | | | | | |
| 14 | | | | | | | | | | | | |
| 15 | Raw Statistic | | | | | | | | | | | |
| 16 | | Sample 1 | Sample 2 | | | | | | | | | |
| 17 | Number of Valid Data | 57 | 15 | | | | | | | | | |
| 18 | Number of Non-Detects | 0 | 0 | | | | | | | | | |
| 19 | Number of Detect Data | 57 | 15 | | | | | | | | | |
| 20 | Minimum Non-Detect | Minimum Non-Detect N/A N/A | | | | | | | | | | |
| 21 | Maximum Non-Detect | Maximum Non-Detect N/A N/A | | | | | | | | | | |
| 22 | Percent Non-detects | 0.00% | 0.00% | | | | | | | | | |
| 23 | Minimum Detect | 5.7 | 9 | | | | | | | | | |
| 24 | Maximum Detect | 35 | 50 | | | | | | | | | |
| 25 | Mean of Detects | 15.88 | 30.6 | | | | | | | | | |
| 26 | Median of Detects | 15 | 30 | | | | | | | | | |
| 27 | SD of Detects | 5.966 | 10.43 | | | | | | | | | |
| 28 | | | | | | | | | | | | |
| 29 | Wilcoxon-Mann-Whitney | (WMW) Te | st | | | | | | | | | |
| 30 | | | | | | | | | | | | |
| 31 | H0: Mean/Median of Sample 1 <= Mean/Median | of Sample | 2 | | | | | | | | | |
| 32 | | 4740 | | | | | | | | | | |
| 33 | Sample 1 Rank Sum W-Stat | | | | | | | | | | | |
| 34 | Standardized WMW U-Stat | | | | | | | | | | | |
| 35 | Mean (U) | | | | | | | | | | | |
| 36 | SD(U) - Adj ties | | 1 | | | | | | | | | |
| 37 | Approximate U-Stat Critical Value (0.05) | | 1 | | | | | | | | | |
| 38 | P-Value (Adjusted for Ties) | 1 | | | | | | | | | | |
| 39 | | | | | | | | | | | | |
| 40 | Conclusion with Alpha = 0.05 | | | | | | | | | | | |
| 41 | Do Not Reject H0, Conclude Sample 1 <= Sa | | | | | | | | | | | |
| 42 | P-Value >= alpha (0.05) | | | | | | | | | | | |
| 43 | | | | | | | | | | | | |

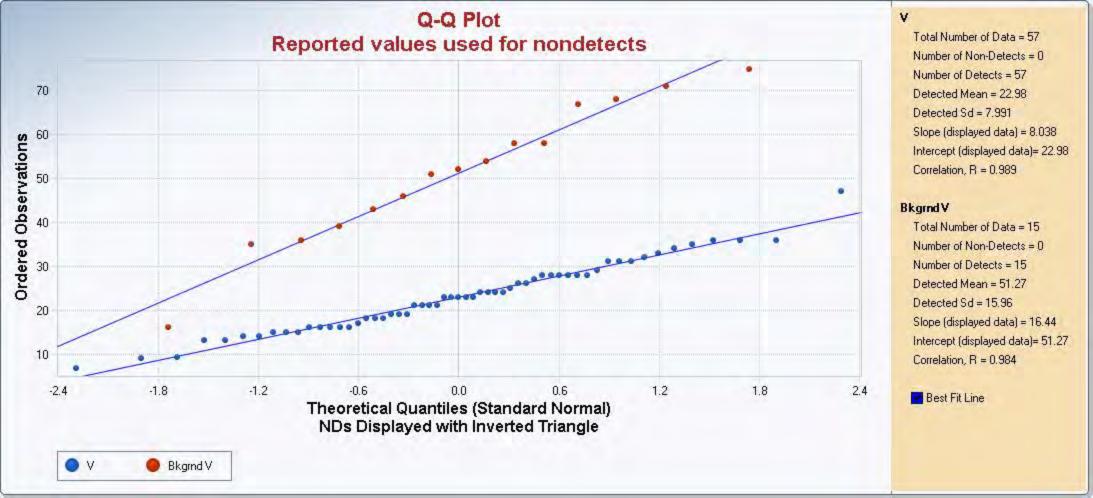


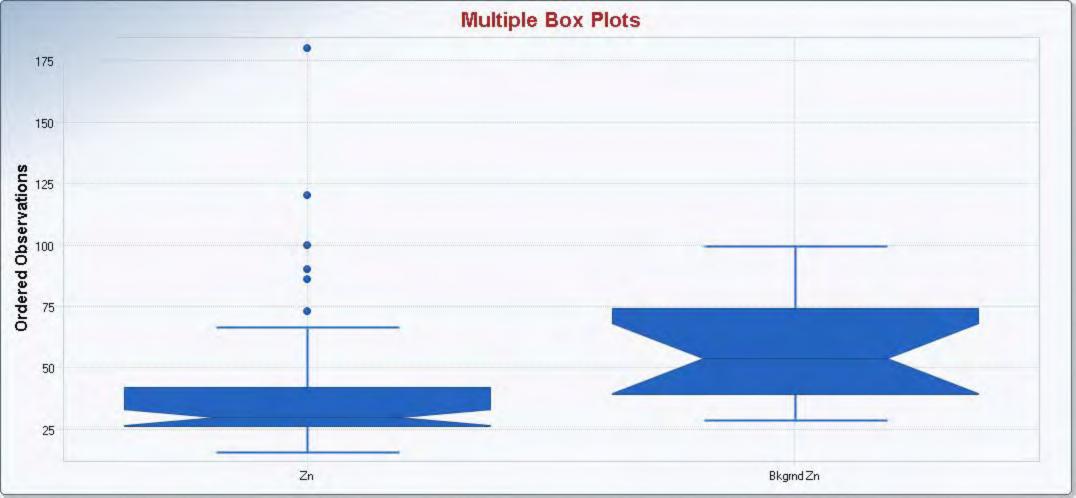


| П | A B C D | 1 | E | F | G | Н | ı | <u> </u> | K | |
|----|---|-----------|---------------------------------------|----------------|-------------|------------|--------------|-------------|---|---|
| 1 | Tarone-Ware Sample | 1 vs Sa | | - | | | ta Sets with | Non-Detects | | |
| | · | | | <u> </u> | | | | | | |
| 2 | User Selected Options | | | | | | | | | |
| 3 | Date/Time of Computation ProUCL | 5 18/7/2 | 021 11:0 | 13·44 AM | | | | | | |
| 4 | From File Metals in | | | | | | | | | |
| 5 | Full Precision OFF | 1001110 | , , , , , , , , , , , , , , , , , , , | | | | | | | |
| 6 | Confidence Coefficient 95% | | | | | | | | | |
| 7 | | 1 Maan/I | Madian | c= Comple 2 | Moon/Modia | n (Form 1) | | | | |
| 8 | | | | | Mean/Media | | | | | |
| 9 | Alternative Hypothesis Sample | i wean/i | viedian - | > Sample 2 r | Mean/Median | | | | | |
| 10 | | | | | ı | | | | | 1 |
| 11 | Occupied Dates V | | | | | | | | | |
| 12 | Sample 1 Data: V | | | | | | | | | |
| 13 | Sample 2 Data: Bkgrnd V | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | Raw Statis | | | | | | | | | |
| 16 | | | - | Sample 2 15 | | | | | | |
| 17 | Number of Valid Data | | | | | | | | | |
| 18 | Number of Non-Detects | |) | | | | | | | |
| 19 | Number of Detects | 5 | 7 | 15 | | | | | | |
| 20 | Minimum Non-Detect | t N/ | /A | N/A | | | | | | |
| 21 | Maximum Non-Detect | t N | /A | N/A | | | | | | |
| 22 | Percent Non-detects | 0.00 | % | 0.00% | | | | | | |
| 23 | Minimum Detect | t 6 | 6.6 | 16 | | | | | | |
| 24 | Maximum Detect | t 4 | 7 | 75 | | | | | | |
| 25 | Mean of Detects | 5 2 | 2.98 | 51.27 | | | | | | |
| 26 | Median of Detects | 5 2 | 3 | 52 | | | | | | |
| 27 | SD of Detects | 5 7 | 7.991 | 15.96 | | | | | | |
| 28 | KM Mear | 1 2 | 2.98 | 51.27 | | | | | | |
| 29 | KM SE | 7 | 7.991 | 15.96 | | | | | | |
| 30 | | | | | 1 | | | | | |
| 31 | Sample 1 vs Sample 2 | Tarone-\ | Ware Te | est | | | | | | |
| 32 | | | | | | | | | | |
| | H0: Mean/Median of Sample 1 <= Mean/Med | ian of Sa | ample 2 | | | | | | | |
| 34 | | | | | | | | | | |
| 35 | TW Statis | stic -7 | .434 | | | | | | | |
| 36 | TW Critical Value (0.0 | 05) 1 | 1.645 | | | | | | | |
| 37 | P-Val | | | | | | | | | |
| 38 | | | | | | | | | | |
| | Conclusion with Alpha = 0.05 | | | | | | | | | |
| 39 | Do Not Reject H0, Conclude Sample 1 <= | Sample | 2 | | | | | | | |
| 40 | P-Value >= alpha (0.05) | | | | | | | | | |
| 41 | . value valpila (0.00) | | | | | | | | | |
| 42 | | | | | | | | | | |

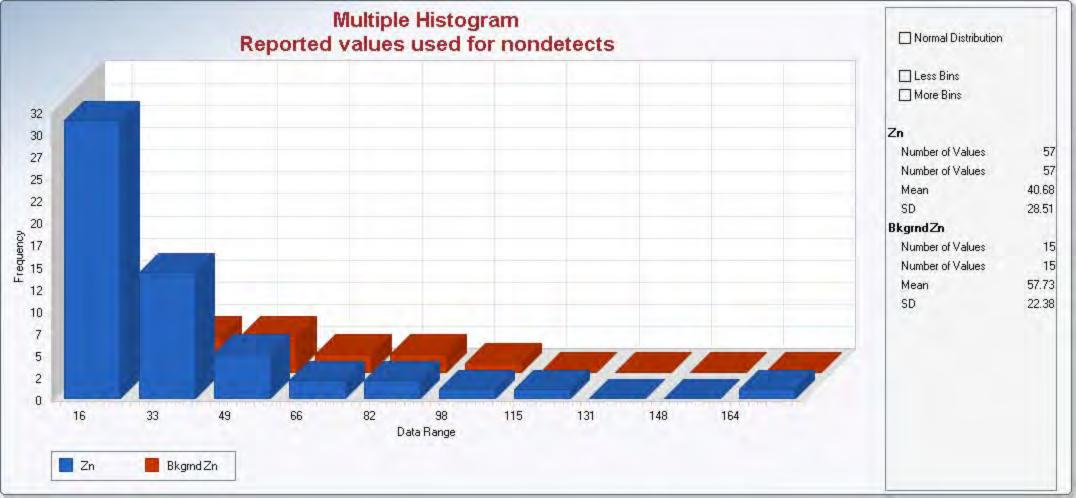
| | A B C D | Е | F | G | Н | I | J | K | L |
|----|--|-------------|-------------|--------------|--------------|-------------|-------------|---|---|
| 1 | Wilcoxon-Mann-Whitne | y Sample 1 | vs Sample 2 | Comparison | Test for Dat | a Sets with | Non-Detects | | |
| 2 | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | |
| 4 | Date/Time of Computation ProUCL 5.1 | 8/7/2021 11 | :04:08 AM | | | | | | |
| 5 | From File Metals in Se | oil TCNW.xl | S | | | | | | |
| 6 | Full Precision OFF | | | | | | | | |
| 7 | Confidence Coefficient 95% | | | | | | | | |
| 8 | Selected Null Hypothesis Sample 1 M | lean/Mediar | <= Sample 2 | 2 Mean/Media | an (Form 1) | | | | |
| 9 | Alternative Hypothesis Sample 1 M | lean/Mediar | > Sample 2 | Mean/Mediar | 1 | | | | |
| 10 | | | | | | | | | |
| 11 | | | | | | | | | |
| 12 | Sample 1 Data: V | | | | | | | | |
| 13 | Sample 2 Data: Bkgrnd V | | | | | | | | |
| 14 | | | | | | | | | |
| 15 | Raw Statistic | | | | | | | | |
| 16 | | Sample 1 | Sample 2 | | | | | | |
| 17 | Number of Valid Data | 57 | 15 | | | | | | |
| 18 | Number of Non-Detects | 0 | 0 | | | | | | |
| 19 | Number of Detect Data | 57 | 15 | | | | | | |
| 20 | Minimum Non-Detect | N/A | N/A | | | | | | |
| 21 | Maximum Non-Detect | N/A | N/A | | | | | | |
| 22 | Percent Non-detects | 0.00% | 0.00% | | | | | | |
| 23 | Minimum Detect | 6.6 | 16 | | | | | | |
| 24 | Maximum Detect | 47 | 75 | | | | | | |
| 25 | Mean of Detects | 22.98 | 51.27 | | | | | | |
| 26 | Median of Detects | 23 | 52 | | | | | | |
| 27 | SD of Detects | 7.991 | 15.96 | | | | | | |
| 28 | | | | | | | | | |
| 29 | Wilcoxon-Mann-Whitney | (WMW) Te | st | | | | | | |
| 30 | | | | | | | | | |
| 31 | H0: Mean/Median of Sample 1 <= Mean/Median | of Sample | 2 | | | | | | |
| 32 | | | | 1 | | | | | |
| 33 | Sample 1 Rank Sum W-Stat | | | | | | | | |
| 34 | Standardized WMW U-Stat | | 1 | | | | | | |
| 35 | Mean (U) | | | | | | | | |
| 36 | SD(U) - Adj ties | | | | | | | | |
| 37 | Approximate U-Stat Critical Value (0.05) | | | | | | | | |
| 38 | P-Value (Adjusted for Ties) | 1 | | | | | | | |
| 39 | | | | | | | | | |
| 40 | Conclusion with Alpha = 0.05 | | | | | | | | |
| 41 | Do Not Reject H0, Conclude Sample 1 <= Sa | mple 2 | | | | | | | |
| 42 | P-Value >= alpha (0.05) | | | | | | | | |
| 43 | | | | | | | | | |

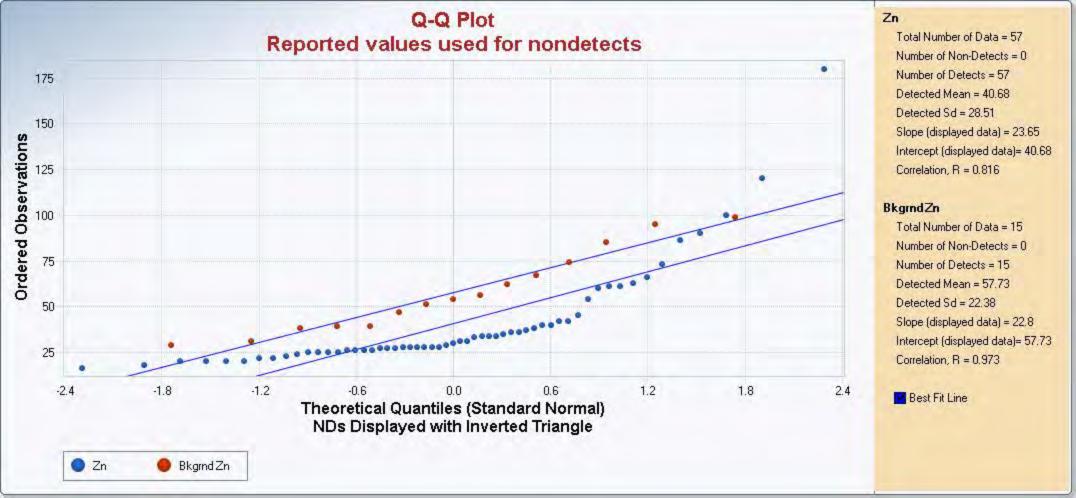
| | A B C | D | Е | F | G | Н | ı | J | K | ı |
|----|-----------------------------------|--------------|--------------|--------------|-------------|-------------|--------------|---|------|-----|
| 1 | | | | mparison Hy | | | Sets with No | | 1 13 | , - |
| 2 | | | | <u> </u> | | | | | | |
| 3 | User Selected Options | | | | | | | | | |
| 4 | Date/Time of Computation | ProUCL 5.1 | 8/7/2021 11: | 03:19 AM | | | | | | |
| 5 | From File | Metals in Sc | oil TCNW.xls | ; | | | | | | |
| 6 | Full Precision | OFF | | | | | | | | |
| 7 | Confidence Coefficient | 95% | | | | | | | | |
| 8 | Selected Null Hypothesis | Sample 1 M | ean/Median | <= Sample 2 | Mean/Media | an (Form 1) | | | | |
| 9 | Alternative Hypothesis | Sample 1 M | ean/Median | > Sample 2 l | Mean/Mediar | า | | | | |
| 10 | 1 | | | | | | | | | |
| 11 | | | | | | | | | | |
| | Sample 1 Data: V | | | | | | | | | |
| 13 | Sample 2 Data: Bkgrnd V | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | R | aw Statistic | s | | | | | | | |
| 16 | | | Sample 1 | Sample 2 | | | | | | |
| 17 | Number of V | alid Data | 57 | 15 | | | | | | |
| 18 | Number of Nor | n-Detects | 0 | | | | | | | |
| 19 | Number of De | tect Data | 57 | | | | | | | |
| 20 | Minimum No | n-Detect | N/A | N/A | | | | | | |
| 21 | Maximum No | n-Detect | N/A | N/A | | | | | | |
| 22 | Percent No. | n-detects | 0.00% | 0.00% | | | | | | |
| 23 | Minimu | m Detect | 6.6 | 16 | | | | | | |
| 24 | Maximu | m Detect | 47 | 75 | | | | | | |
| 25 | Mean o | f Detects | 22.98 | 51.27 | | | | | | |
| 26 | Median o | f Detects | 23 | 52 | | | | | | |
| 27 | SD o | f Detects | 7.991 | 15.96 | | | | | | |
| 28 | ŀ | KM Mean | 22.98 | 51.27 | | | | | | |
| 29 | | KM SD | 7.991 | 15.96 | | | | | | |
| 30 | | | | | | | | | | |
| 31 | Sample 1 vs | Sample 2 | Gehan Test | | | | | | | |
| 32 | | | | | | | | | | |
| 33 | H0: Mean/Median of Sample 1 <= Me | ean/Median | of backgrou | ınd | | | | | | |
| 34 | | | | | | | | | | |
| 35 | | Test Value | -5.234 | | | | | | | |
| 36 | Criti | cal z (0.05) | 1.645 | | | | | | | |
| 37 | | P-Value | 1 | | | | | | | |
| 38 | | | | | | | | | | |
| 39 | Conclusion with Alpha = 0.05 | | | | | | | | | |
| 40 | Do Not Reject H0, Conclude Samp | ole 1 <= Sar | mple 2 | | | | | | | |
| 41 | P-Value >= alpha (0.05) | | | | | | | | | |
| 42 | | | | | | | | | | |





| A B C D E F G H I J J K | |
|---|--------------|
| 2 3 | |
| 3 | |
| A | |
| 5 From File Metals in Soil TCNW.xls 6 Full Precision OFF 7 Confidence Coefficient 95% 8 Selected Null Hypothesis Sample 1 Mean/Median <= Sample 2 Mean/Median (Form 1) | |
| 6 Full Precision OFF 7 Confidence Coefficient 95% 8 Selected Null Hypothesis Sample 1 Mean/Median <= Sample 2 Mean/Median (Form 1) | |
| 7 Confidence Coefficient 95% 8 Selected Null Hypothesis Sample 1 Mean/Median <= Sample 2 Mean/Median (Form 1) | |
| Selected Null Hypothesis Sample 1 Mean/Median <= Sample 2 Mean/Median (Form 1) | |
| 9 | |
| 10 | |
| 11 12 Sample 1 Data: Zn | |
| 12 Sample 1 Data: Zn | |
| 13 Sample 2 Data: Bkgrnd Zn 14 | |
| 14 15 Raw Statistics 16 Sample 1 Sample 2 17 Number of Valid Data 57 15 18 Number of Non-Detects 0 0 19 Number of Detect Data 57 15 20 Minimum Non-Detect N/A N/A 21 Maximum Non-Detect N/A N/A | |
| Tag Sam Statistics 16 Sample 1 Sample 2 17 Number of Valid Data 57 15 18 Number of Non-Detects 0 0 19 Number of Detect Data 57 15 20 Minimum Non-Detect N/A N/A 21 Maximum Non-Detect N/A N/A | |
| 16 Sample 1 Sample 2 17 Number of Valid Data 57 15 18 Number of Non-Detects 0 0 19 Number of Detect Data 57 15 20 Minimum Non-Detect N/A N/A 21 Maximum Non-Detect N/A N/A | |
| 17 Number of Valid Data 57 15 18 Number of Non-Detects 0 0 19 Number of Detect Data 57 15 20 Minimum Non-Detect N/A N/A 21 Maximum Non-Detect N/A N/A | |
| 18 Number of Non-Detects 0 0 19 Number of Detect Data 57 15 20 Minimum Non-Detect N/A N/A 21 Maximum Non-Detect N/A N/A | |
| 19 Number of Detect Data 57 15 20 Minimum Non-Detect N/A N/A 21 Maximum Non-Detect N/A N/A | |
| 20 Minimum Non-Detect N/A N/A 21 Maximum Non-Detect N/A N/A | |
| 21 Maximum Non-Detect N/A N/A | |
| | |
| Percent Non-detects 0.00% 0.00% | |
| 23 Minimum Detect 16 29 | |
| 24 Maximum Detect 180 99 | |
| 25 Mean of Detects 40.68 57.73 | |
| 26 Median of Detects 30 54 | |
| 27 SD of Detects 28.51 22.38 | |
| 28 KM Mean 40.68 57.73 | |
| 29 KM SD 28.51 22.38 | |
| 30 | |
| 31 Sample 1 vs Sample 2 Gehan Test | |
| 32 | |
| 33 H0: Mean/Median of Sample 1 <= Mean/Median of background | |
| 34 | |
| Gehan z Test Value -3.404 | |
| 36 Critical z (0.05) 1.645 | |
| 37 P-Value 1 | |
| 38 | |
| 39 Conclusion with Alpha = 0.05 | |
| 40 Do Not Reject H0, Conclude Sample 1 <= Sample 2 | |
| 41 P-Value >= alpha (0.05) | |
| 42 | |





| | A B C D | | E | l F | G | Н | 1 | J | K | Π ι |
|----|---|-------------|---------|-------------|-------------|-------------|-------------|---|---|-----|
| 1 | Tarone-Ware Sample | | | - | | | a Sets with | | | |
| 2 | | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | | |
| 4 | Date/Time of Computation ProUCL | 5.18/7/20 | 021 11: | :04:56 AM | | | | | | |
| 5 | From File Metals i | in Soil TCI | NW.xls | 3 | | | | | | |
| 6 | Full Precision OFF | | | | | | | | | |
| 7 | Confidence Coefficient 95% | | | | | | | | | |
| 8 | Selected Null Hypothesis Sample | 1 Mean/N | /ledian | <= Sample 2 | Mean/Media | an (Form 1) | | | | |
| 9 | Alternative Hypothesis Sample | 1 Mean/N | /ledian | > Sample 2 | Mean/Mediar | 1 | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |
| | Sample 1 Data: Zn | | | | | | | | | |
| 13 | Sample 2 Data: Bkgrnd Zn | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | Raw Stat | tistics | | | | | | | | |
| 16 | | Sam | ple 1 | Sample 2 | | | | | | |
| 17 | Number of Valid Dat | ta 57 | 7 | 15 | | | | | | |
| 18 | Number of Non-Detect | ts 0 | | | | | | | | |
| 19 | Number of Detect | ts 57 | 7 | 15 | | | | | | |
| 20 | Minimum Non-Detec | ct N/ | A | N/A | | | | | | |
| 21 | Maximum Non-Detec | ct N/ | A | N/A | | | | | | |
| 22 | Percent Non-detect | ts 0.00° | % | 0.00% | | | | | | |
| 23 | Minimum Detec | ct 16 | 6 | 29 | | | | | | |
| 24 | Maximum Detec | ct 180 |) | 99 | | | | | | |
| 25 | Mean of Detect | ts 40 | 0.68 | 57.73 | | | | | | |
| 26 | Median of Detect | ts 30 |) | 54 | | | | | | |
| 27 | SD of Detect | ts 28 | 3.51 | 22.38 | | | | | | |
| 28 | KM Mea | in 40 | 0.68 | 57.73 | | | | | | |
| 29 | KM SI | D 28 | 3.51 | 22.38 | | | | | | |
| 30 | | ı | | • | • | | | | | |
| 31 | Sample 1 vs Sample 2 | Tarone-V | Vare T | est | | | | | | |
| 32 | | | | | | | | | | |
| 33 | H0: Mean/Median of Sample 1 <= Mean/Med | dian of Sa | mple 2 | 2 | | | | | | |
| 34 | | | | | | | | | | |
| 35 | TW Stati | | 224 | | | | | | | |
| 36 | TW Critical Value (0 | .05) 1 | .645 | | | | | | | |
| 37 | P-Va | alue 1 | | | | | | | | |
| 38 | | | | | | | | | | |
| 39 | Conclusion with Alpha = 0.05 | | | | | | | | | |
| 40 | Do Not Reject H0, Conclude Sample 1 <= | Sample 2 | 2 | | | | | | | |
| 41 | P-Value >= alpha (0.05) | | | | | | | | | |
| 42 | | | | | | | | | | |

| | A B C | D | E | F | G | Н | ı | J | K | L |
|----|------------------------------------|-------------|--------------|-------------|--------------|-------------|-------------|-------------|---|---|
| 1 | Wilcoxon-Mani | n-Whitney | Sample 1 v | vs Sample 2 | | Test for Da | a Sets with | Non-Detects | | |
| 2 | | | | | | | | | | |
| 3 | User Selected Options | | | | | | | | | |
| 4 | Date/Time of Computation Pro | oUCL 5.18 | 8/7/2021 11: | :05:20 AM | | | | | | |
| 5 | From File Me | etals in So | il TCNW.xls | 5 | | | | | | |
| 6 | Full Precision OF | F | | | | | | | | |
| 7 | Confidence Coefficient 95 | % | | | | | | | | |
| 8 | Selected Null Hypothesis Sa | mple 1 M | ean/Median | <= Sample 2 | 2 Mean/Media | an (Form 1) | | | | |
| 9 | Alternative Hypothesis Sa | mple 1 M | ean/Median | > Sample 2 | Mean/Mediar | า | | | | |
| 10 | | | | | | | | | | |
| 11 | | | | | | | | | | |
| 12 | Sample 1 Data: Zn | | | | | | | | | |
| 13 | Sample 2 Data: Bkgrnd Zn | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | Rav | v Statistic | s | | | | | | | |
| 16 | | | Sample 1 | Sample 2 | | | | | | |
| 17 | Number of Vali | d Data | 57 | 15 | | | | | | |
| 18 | Number of Non-D | Detects | 0 | | | | | | | |
| 19 | Number of Detec | ct Data | 57 | 15 | | | | | | |
| 20 | Minimum Non- | Detect | N/A | N/A | | | | | | |
| 21 | Maximum Non- | | N/A | N/A | | | | | | |
| 22 | Percent Non-o | detects | 0.00% | 0.00% | | | | | | |
| 23 | Minimum | Detect | 16 | 29 | | | | | | |
| 24 | Maximum | Detect | 180 | 99 | | | | | | |
| 25 | Mean of D | | 40.68 | 57.73 | | | | | | |
| 26 | Median of E | | 30 | 54 | | | | | | |
| 27 | SD of D | Detects | 28.51 | 22.38 | | | | | | |
| 28 | | | | | | | | | | |
| 29 | Wilcoxon-Mann | -Whitney | (WMW) Te | st | | | | | | |
| 30 | | | | | | | | | | |
| 31 | H0: Mean/Median of Sample 1 <= Mea | n/Median | of Sample 2 | 2 | | | | | | |
| 32 | | | | T | | | | | | |
| 33 | Sample 1 Rank Su | | | | | | | | | |
| 34 | Standardized WM | | | | | | | | | |
| 35 | | Mean (U) | 427.5 | | | | | | | |
| 36 | | - Adj ties | 72.08 | | | | | | | |
| 37 | Approximate U-Stat Critical Val | | | | | | | | | |
| 38 | P-Value (Adjusted | itor Hes) | 1 | | | | | | | 1 |
| 39 | Our dealers with All I Com | | | | | | | | | |
| 40 | Conclusion with Alpha = 0.05 | 4 . = | | | | | | | | |
| 41 | Do Not Reject H0, Conclude Sample | 1 <= Sar | nple 2 | | | | | | | |
| 42 | P-Value >= alpha (0.05) | | | | | | | | | |
| 43 | | | | | | | | | | |

APPENDIX F

ProUCL Statistical Analyses

| | Α | В | С | D | E | F | G | Н | I | J | K | L |
|----------|--------------|--------------|---------------|--------------------|-------------|----------------------------------|-----------------|------------|--------------|------------------------------------|---------------|------------|
| 1 | | | | | CL Statis | stics for Data | Sets with No | n-Detects | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | ected Options | | 10001 10 | 00 00 414 | | | | | | |
| 4 | Dat | te/Time of C | Computation | ProUCL 5.18/7 | | 39:02 AM | | | | | | |
| 5 | | | From File | Soil Vapor TCN | NVV.XIS | | | | | | | |
| 6 | | | III Precision | OFF | | | | | | | | |
| 7 | | | Coefficient | 95% | | | | | | | | |
| 8 | Number o | or Bootstrap | Operations | 2000 | | | | | | | | |
| 9 | 4 leenmenvil | teluene | | | | | | | | | | |
| 10 | 4-Isopropyl | loluerie | | | | | | | | | | |
| 11 | | | | | | General | Statistics | | | | | |
| 12 | | | Total | Number of Obs | ervations | | Otatiotics | | Numbe | r of Distinct O | hservations | 4 |
| 13 | | | Total | Number of | | - | | | Numbe | Number of N | | 37 |
| 14 | | | N | umber of Distinc | | _ | | | Numb | er of Distinct N | | 1 |
| 15 | | | | | m Detect | | | | - INGINIO | | Non-Detect | 8 |
| 16 | | | | | m Detect | | | | | | Non-Detect | 8 |
| 17 | | | | | e Detects | | | | | | Ion-Detects | 92.5% |
| 18 | | | | | n Detects | | | | | | SD Detects | 177 |
| 19 | | | | | n Detects | | | | | | CV Detects | 1.517 |
| 20 | | | | Skewnes | | | | | | | sis Detects | N/A |
| 21 | | | | Mean of Logge | | | | | | | ged Detects | 1.794 |
| 22 | | | | mount of Loggo | u 2010010 | 0.700 | | | | 02 0, 2095 | Jou 2010010 | 1.701 |
| 23 | | | | w | /arning: D | ata set has | only 3 Detecte | ed Values. | | | | |
| 24 | | | Т | his is not enoug | | | ·- | | | es. | | |
| 25 26 | | | | | • | • | | | | | | |
| 27 | | | | | | | | | | | | |
| 28 | | | | | Norn | nal GOF Tes | st on Detects C | Only | | | | |
| 29 | | | 5 | Shapiro Wilk Tes | t Statistic | 0.757 | | | Shapiro W | ilk GOF Test | | |
| 30 | | | 5% S | hapiro Wilk Criti | cal Value | 0.767 | De | etected Da | ita Not Norm | al at 5% Signif | ficance Leve | I |
| 31 | | | | Lilliefors Tes | t Statistic | 0.382 | | | Lilliefors | GOF Test | | |
| 32 | | | 5 | % Lilliefors Criti | cal Value | 0.425 | Dete | ected Data | appear Nor | mal at 5% Sigr | nificance Lev | /el |
| 33 | | | | Detected Da | ta appear | Approximat | te Normal at 5 | % Signific | ance Level | | | |
| 34 | | | | | | | | | | | | |
| 35 | | | Kaplan- | Meier (KM) Sta | tistics usi | ng Normal C | Critical Values | and other | Nonparame | tric UCLs | | |
| 36 | | | | 1 | KM Mean | 16.15 | | | KI | M Standard Er | ror of Mean | 9.457 |
| 37 | | | | | KM SD | 48.84 | | | | 95% KM | (BCA) UCL | N/A |
| 38 | | | | 95% KI | M (t) UCL | 32.08 | | | 95% KM (F | Percentile Boo | tstrap) UCL | N/A |
| 39 | | | | 95% KN | I (z) UCL | 31.71 | | | | 95% KM Boot | strap t UCL | N/A |
| 40 | | | ! | 90% KM Chebys | shev UCL | 44.52 | | | | 95% KM Cheb | yshev UCL | 57.37 |
| 41 | | | 97 | .5% KM Chebys | shev UCL | 75.21 | | | | 99% KM Cheb | yshev UCL | 110.2 |
| 42 | | | | | | | 1 | | | | | |
| 43 | | | | Gan | nma GOF | Tests on De | etected Obser | vations O | nly | | | |
| 44 | | | | | – | ough Data to | o Perform GOI | F Test | | | | |
| - | | | | | Not En | | | | | | | |
| 45 | | | | | Not En | | | | | | | |
| 45 46 | | | | | | | n Detected Da | | | | | |
| | | | | k ł | | Statistics or | n Detected Da | | k | star (bias corr | ected MLE) | N/A |
| 46 | | | | | Gamma | Statistics or 0.587 | n Detected Da | | | star (bias corr star (bias corr | , | N/A N/A |
| 46 47 | | | | Theta h | Gamma | Statistics or 0.587 198.8 | n Detected Da | | | | ected MLE) | |

| | Α | В | С | | D | | E | F | G | ŀ | ł | I | | J | | K | L |
|-----|--|------------------|---------------|---------|----------------------|------------|----------------------|----------------|--------------|--|---------|-------------|--------|-----------------|-----------|------------------|----------|
| 51 | | | | | | | | | | | | | | | | | |
| 52 | | | | | | | | S Statistics u | | | | | | | | | |
| 53 | | | | • | | | | set has > 50% | | • | | | | • | | | |
| 54 | | GROS ma | • | | | | | small such a | | | | • | | • | e.g., <1 | 15-20) | |
| 55 | | | F | or su | | | | method may | | | | | I BT\ | √s | | | |
| 56 | | | | | | | - | ially true who | | | | | | | | | |
| 57 | | For ga | ımma distribi | uted (| detected | | | and UCLs ma | ay be com | outed usi | ng ga | mma distri | ibutio | on on KM e | stimate | | |
| 58 | | | | | | | linimum | | | | | | | | | Mean | 8.759 |
| 59 | | | | | | Ma | aximum | - | | | | | | | N | /ledian | 0.01 |
| 60 | | | | | | | SD | | | | | | | | | CV | 5.792 |
| 61 | | | | | | | it (MLE) | | | | | | | ar (bias cor | | , | 0.135 |
| 62 | | | | | Th | | it (MLE) | | | | | Thet | | ar (bias cor | | , | 64.94 |
| 63 | | | | | | | it (MLE) | | | | | | | nu star (bia | as corr | ected) | 10.79 |
| 64 | | | Adjuste | | | | | | | | | | | | | | |
| 65 | | - | proximate C | | | - | | | | | | - | | Square Val | - | | 4.289 |
| 66 | | 95% Gamm | a Approxima | ate U | CL (use | when | n>=50) | 21.28 | | 9 | % G | amma Adji | uste | d UCL (use | when | n<50) | N/A |
| 67 | | | | | | | | | | | | | | | | | |
| 68 | | | | | | | | Samma Para | meters us | ing KM E | stima | ates | | | | | |
| 69 | | | | | | | an (KM) | | | | | | | | |) (KM) | 48.84 |
| 70 | | | | | | | ce (KM) | | | | | | | SE 0 | of Mear | n (KM) r (KM) | 9.457 |
| 71 | | | | | | | at (KM) | | | | | | 0.118 | | | | |
| 72 | | | | | | | at (KM) | | | | | | | | nu sta | ` , | 9.426 |
| 73 | | | | .0. | | | at (KM) | | | theta star (KM) 90% gamma percentile (KM) | | | | | | | |
| 74 | | | | | ımma po | | . , | | | | | | | | | | 45.52 |
| 75 | 95% gamma percentile (KM) 92.37 | | | | | | | | | | | 9 | 99% | gamma pe | rcentile | e (KIVI) | 236 |
| 76 | | | | | | | 0 | na Kaplan-M | laiar (IZNA) | Ctatlatia | | | | | | | |
| 77 | | Δ | pproximate (| Chi C | augra \ | /alua / | | = | | Statistics | • | A diviste d | 4 Ch | i Square Va | alua (O | 42 0) | 3.452 |
| 78 | 0.5 | A 5% Gamma Ap | • • | | • | • | . , | | | 0E9/ (| `amm | | | //-UCL (use | • | . , | 44.1 |
| 79 | | 7/6 Gaiiiiia Aț | ріохіпале к | IVI-U | CL (use | wileii | 11/-50) | 42.45 | | 95 /6 (| aaiiiii | ia Aujustet | u Ki | W-OCL (use | | 11<50) | 44.1 |
| 80 | | | | | | ogno | rmal G | OF Test on D | Ontantad C | hoonyoti | νno Ω | anh. | | | | | |
| 81 | | | | Shan | iro Wilk | | | | | vusei vali | JIIS O | | \A/iIL | GOF Test | | | |
| 82 | | | | | iro Wilk | | | | | otoctod [|)ata a | | | mal at 5% S | | anco I | ovol |
| 83 | | | 5/0 (| | illiefors | | | | L | retected t | Jala c | | | OF Test | | ance L | |
| 84 | | | | | illiefors | | | | Г | letected [|)ata a | | | mal at 5% S | Signific | ance I | evel |
| 85 | | | | J /0 L | | | | ppear Logno | | | | | JIIOII | iliai at 5 /0 C | Jigriilic | ance L | |
| 86 | | | | | Dei | lecteu | Dala a | ppear Logiic | illiai at 57 | o Signific | alice | LEVEI | | | | | |
| 87 | | | | | 1 | Oanor | mal PC | S Statistics | Usina Imn | uted Nor | -Deta | ects | | | | | |
| 88 | | | | N/ | lean in (| | | | | -a.cu 1101 | | | | Mean | in Log | Scale | -8.607 |
| 89 | | | | IV | | | al Scale | | | | | | | | in Log | | 6.455 |
| 90 | | 95% + | UCL (assum | es no | | • | | | | | | QE. | % P4 | ercentile Bo | _ | | 24.83 |
| 91 | | 33 /0 L | OOL (assull) | | BCA E | | | | | | | 90. | /U F | 95% Boo | | | 217.7 |
| 92 | | | | | | | • | 1.775E+10 | | | | | | 33 /0 DOC | | , JOL | <u> </u> |
| 93 | | | | 90 | , ,o i i - U(| JL (LU | 91100) | 1.775LT10 | | | | | | | | | |
| 94 | Statistics using VM estimates on Lagged Date and Assuming Lagranged Distribution | | | | | | | | | | | | | | | | |
| 95 | | | Giai | logged) | | Jaka and / | .oounnil | , _og | o.mai Dis | Juid | | M Geo | Mean | 9.036 | | | |
| 96 | | | | | | - | logged) | | | | | 950 | % Cı | ritical H Val | | | 1.99 |
| 97 | KM Standard Error of Mean (log | | | | | | | | | | | | ,u OI | 95% H-UC | • | • | 12.94 |
| 98 | KM SD (lo | | | | | | | | | | | 950 | % Cı | ritical H Val | ` . | • | 1.99 |
| 99 | | | KM Standa | ard F | | | | | | | | | | vai | | og) | |
| 100 | | | ixivi Otaliu | uiu E | | vicali (| iogg c u) | 0.114 | | | | | | | | | |

| | Α | В | С | D | Е | F | G | Н | I | J | K | L |
|-----|----|-------------|-------------------|----------------|----------------|----------------|-------------------|-----------------|-----------------|--------------|-------------------|------|
| 101 | | | | | | | | | | | | |
| 102 | | | | | | DL/2 S | Statistics | | | | | |
| 103 | | | DL/2 | Normal | | | | | DL/2 Log-1 | ransformed | I | |
| 104 | | | | Mean in C | riginal Scale | 12.45 | | | | Mean | in Log Scale | 1.56 |
| 105 | | | | SD in C | riginal Scale | 50.09 | | | | SD | in Log Scale | 0.74 |
| 106 | | | 95% t l | JCL (Assum | es normality) | 25.79 | | | | 95% | 6 H-Stat UCL | 8.05 |
| 107 | | | DL/2 | is not a reco | mmended m | ethod, prov | ided for com | parisons and | l historical re | easons | | |
| 108 | | | | | | | | | | | | |
| 109 | | | | | Nonparame | etric Distribi | ution Free UC | CL Statistics | | | | |
| 110 | | | De | tected Data | appear Appr | oximate No | rmal Distribu | ted at 5% Si | gnificance L | evel | | |
| 111 | | | | | | | | | | | | |
| 112 | | | | | | Suggested | UCL to Use | | | | | |
| 113 | | | | 95% | 6 KM (t) UCL | 32.08 | | | | | | |
| 114 | | | | | | | | | | | | |
| 115 | | | When a d | lata set follo | ws an approx | imate (e.g., | normal) distr | ibution passi | ng one of the | GOF test | | |
| 116 | | When app | olicable, it is s | suggested to | use a UCL b | ased upon a | a distribution (| (e.g., gamma |) passing bo | th GOF test | s in ProUCL | |
| 117 | | | | | | | | | | | | |
| 118 | | Note: Sugge | stions regard | ling the sele | ction of a 95% | 6 UCL are p | rovided to he | lp the user to | select the m | nost appropr | iate 95% UCL | |
| 119 | | | F | Recommend | ations are bas | sed upon da | ita size, data | distribution, a | and skewnes | SS. | | |
| 120 | | These reco | mmendations | are based | upon the resu | lts of the sir | nulation stud | es summariz | ed in Singh, | Maichle, an | d Lee (2006). | |
| 121 | Но | wever, simu | ılations result | s will not co | ver all Real W | orld data se | ets; for addition | onal insight th | ne user may | want to cons | sult a statistici | an. |
| 122 | | | | | | | | | | | | |

| | Α | В | С | D | Е | F | G | Н | l | J | K | L |
|----------|----------|--------------|--------------|-----------------|---------------|---------------|---------------|--------------|--------------|-----------------|----------------|----------|
| 1 | | | | | UCL Statis | tics for Data | Sets with N | on-Detects | | | | |
| 2 | | | | T | | | | | | | | |
| 3 | | | cted Options | | | | | | | | | |
| 4 | Dat | te/Time of C | • | ProUCL 5.18 | | 35:30 AM | | | | | | |
| 5 | | | From File | Soil Vapor To | CNW.xls | | | | | | | |
| 6 | | | Il Precision | OFF | | | | | | | | |
| 7 | | Confidence | | 95% | | | | | | | | |
| 8 | Number o | of Bootstrap | Operations | 2000 | | | | | | | | |
| 9 | Donmono | | | | | | | | | | | |
| 10 | Benzene | | | | | | | | | | | |
| 11 | | | | | | General | Statistics | | | | | |
| 12 | | | Total | Number of O | hearvations | 40 | Statistics | | Numbe | r of Distinct (| Observations | 8 |
| 13 | | | Total | | r of Detects | 7 | | | Number | | Non-Detects | 33 |
| 14 | | | Nı | umber of Disti | | 7 | | | Numbe | | Non-Detects | 1 |
| 15 | | | | | num Detect | - | | | - Trumbe | | Non-Detect | 8 |
| 16 | | | | | num Detect | | | | | | Non-Detect | 8 |
| 17 | | | | | nce Detects | | | | | | Non-Detects | 82.5% |
| 18 | | | | | ean Detects | | | | | | SD Detects | 3278 |
| 19 20 | | | | Med | ian Detects | 27 | | | | | CV Detects | 2.224 |
| 21 | | | | Skewne | ess Detects | 2.563 | | | | Kurt | tosis Detects | 6.636 |
| 22 | | | | Mean of Logo | ged Detects | 4.768 | | | | SD of Log | ged Detects | 2.519 |
| 23 | | | | | | | | | | | | |
| 24 | | | | | Norm | nal GOF Tes | t on Detects | Only | | | | |
| 25 | | | S | hapiro Wilk T | est Statistic | 0.537 | | | Shapiro Wi | lk GOF Test | 1 | |
| 26 | | | 5% SI | napiro Wilk Cı | ritical Value | 0.803 | Γ | Detected Da | ta Not Norma | al at 5% Sign | ificance Leve | ·I |
| 27 | | | | Lilliefors T | est Statistic | 0.397 | | | Lilliefors | GOF Test | | |
| 28 | | | 5 | % Lilliefors Ci | ritical Value | 0.304 | Γ | Detected Da | ta Not Norma | al at 5% Sign | ificance Leve | d |
| 29 | | | | De | etected Data | a Not Norma | l at 5% Sign | ificance Lev | rel . | | | |
| 30 | | | | | | | | | | | | |
| 31 | | | Kaplan-l | Meier (KM) S | tatistics usi | ng Normal C | ritical Value | s and other | Nonparamet | ric UCLs | | |
| 32 | | | | | KM Mean | 264.6 | | | KN | /I Standard E | rror of Mean | 236.8 |
| 33 | | | | | KM SD | 1387 | | | | | I (BCA) UCL | 706.3 |
| 34 | | | | | KM (t) UCL | | | | , | | otstrap) UCL | 706 |
| 35 | | | | | KM (z) UCL | 654.1 | | | | | otstrap t UCL | 9577 |
| 36 | | | | 00% KM Cheb | • | | | | | | byshev UCL | |
| 37 | | | 97 | .5% KM Cheb | yshev UCL | 1743 | | | (| 99% KM Che | byshev UCL | 2621 |
| 38 | | | | | | | | | | | | |
| 39 | | | | | | | etected Obse | | • | | | |
| 40 | | | | | est Statistic | 0.798 | <u> </u> | | nderson-Da | | | |
| 41 | | | | | ritical Value | 0.793 | Detect | | | | % Significance |) Level |
| 42 | | | | | est Statistic | 0.314 | Datasta | | Colmogorov- | | | 11 |
| 43 | | | | | ritical Value | 0.337 | | | | | 5% Significan | Le Level |
| 44 | | | | Detected dat | ьа юнож АР | pr. Garnma | JISUIDUUON 8 | at 3% SIGNIT | ICATICE LEVE | I | | |
| 45 | | | | | Gamma | Statistics of | Detected D | ata Only | | | | |
| 46 | | | | 1 | k hat (MLE) | 0.276 | Detected D | ata Offiy | L . | star (hias co | rrected MLE) | 0.253 |
| 47 | | | | | a hat (MLE) | | | | | , | rrected MLE) | 5823 |
| 48 | | | | | u hat (MLE) | | | | i iieta : | • | as corrected) | 3.545 |
| 49 | | | | | an (detects) | | | | | ווע אנמו (טומ | ao con ecteu) | 0.040 |
| 50 | | | | iviea | an (uetects) | 14/4 | | | | | | |

| | Α | В | С | | D | | E | F | G | Н | | ı | J | | ŀ | < | L |
|-----|-------------------------------------|-------------|--------------|---------|-----------|---------|-----------|----------------|-------------------------|--------------------------|-------------|-----------|-----------------|---------|----------|--------|-------|
| 51 | | | | | | | | | | | | | | | | | |
| 52 | | | | | | | | Statistics u | | | | | | | | | |
| 53 | | | | - | | | | set has > 50% | | • | | | | | | | |
| 54 | | GROS ma | • | | | | | small such a | | | | | | nall (e | .g., <1 | 5-20) | |
| 55 | | | F | or su | | | | method may | | | | s and E | BTVs | | | | |
| 56 | | | | | | | - | ially true whe | - | | | | | | | | |
| 57 | | For ga | mma distrib | uted o | detected | | | and UCLs ma | y be comp | uted using (| gamma | distribu | ution on h | KM es | stimate | es | |
| 58 | | | | | | M | linimum | | | | | | | | | Mean | 258 |
| 59 | | | | | | Ma | aximum | | | | | | | | M | ledian | 0.01 |
| 60 | | | | | | | SD | | | | | | | | | CV | 5.447 |
| 61 | | | | | | | t (MLE) | | | | | | star (bia | | | , | 0.105 |
| 62 | | | | | Th | | t (MLE) | | | | | Theta | star (bia | | | • | 2450 |
| 63 | | | | | | | t (MLE) | | | | | | nu sta | ır (bia | s corre | ected) | 8.426 |
| 64 | | | Adjuste | | | | | | | | | | | | | | |
| 65 | | | pproximate (| | - | | | | | | | - | Chi Squai | | - | | 2.864 |
| 66 | | 95% Gamm | a Approxima | ate U | CL (use | when | n>=50) | 728.6 | | 95% | Gamm | a Adjus | sted UCL | (use | when | n<50) | 759.2 |
| 67 | | | | | | | | | | | | | | | | | |
| 68 | | | | | E | Estima | tes of G | amma Para | meters usir | ng KM Estir | mates | | | | | | |
| 69 | | | | | | | an (KM) | | | | | | | | | (KM) | 1387 |
| 70 | | | | | \ | | . , | 1922668 | | | | | ; | SE of | f Mean | (KM) | 236.8 |
| 71 | | | | | | | at (KM) | | | | | (KM) | 0.0504 4.029 | | | | |
| 72 | | | | | | nu h | at (KM) | 2.914 | | | nu star (KM | | | | | | |
| 73 | | | | | t | theta h | at (KM) | 7266 | | | | | | the | ta star | (KM) | 5255 |
| 74 | | | 80 |)% ga | mma pe | ercenti | ile (KM) | 36.8 | | | | 90 | % gamm | a per | centile | (KM) | 407.7 |
| 75 | | | 95 | % ga | mma pe | ercenti | ile (KM) | 1411 | | 99% gamma percentile (KN | | | | | | (KM) | 5740 |
| 76 | | | | | | | | | | | | | | | | | |
| 77 | | | | | | | | na Kaplan-M | eier (KM) S | Statistics | | | | | | | |
| 78 | | | pproximate (| | • | • | | | | | | • | Chi Squai | | , | | 0.684 |
| 79 | 95 | 5% Gamma Ap | proximate K | (M-U | CL (use | when | n>=50) | 1454 | | 95% Gan | nma Ad | djusted | KM-UCL | (use | when | n<50) | 1558 |
| 80 | | | | | 95% (| Gamma | a Adjust | ted KM-UCL | (use when | k<=1 and 1 | 5 < n < | 50) | | | | | |
| 81 | | | | | | | | | | | | | | | | | |
| 82 | | | | | | | | OF Test on D | etected Ob | servations | | | | | | | |
| 83 | | | | | | | Statistic | | | | | | /ilk GOF | | | | |
| 84 | | | 5% \$ | | | | al Value | | De | tected Data | • • • | • | | | ignifica | ance L | evel |
| 85 | | | | | | | Statistic | | | | | | GOF Te | | | | |
| 86 | | | | 5% L | | | al Value | | | tected Data | | | ormal at | 5% S | ignifica | ance L | evel |
| 87 | | | | | Det | tected | Data a | ppear Logno | rmal at 5% | Significand | ce Lev | el | | | | | |
| 88 | | | | | | | | | | | | | | | | | |
| 89 | | | | | | | | S Statistics | Using Impu | ted Non-D | etects | | | | | | |
| 90 | | | | M | | - | al Scale | | | | | | M | | n Log | | -5.21 |
| 91 | | | al Scale | | | | | | | | n Log | | 6.67 | | | | |
| 92 | 95% t UCL (assumes normality of ROS | | | | | | | | | | | 95% | Percenti | | | | 693.8 |
| 93 | | | | | | | ap UCL | | | | | | 95% | 6 Boo | tstrap | t UCL | 9479 |
| 94 | | | | 95 | % H-U(| CL (Lo | g ROS) | 4.639E+12 | | | | | | | | | |
| 95 | | | | | | | | | | | | | | | | | |
| 96 | | | Stat | tistics | | | | on Logged | Data and A | ssuming Lo | ognorn | nal Disti | ribution | | | | |
| 97 | | | | | | | logged) | | | | | | | | /I Geo | | 12.81 |
| 98 | KM SD (log | | | | | | | | | | | 95% | Critical F | | • | • | 2.929 |
| 99 | | | KM Stand | ard E | rror of N | Mean (| logged) | 0.241 | .241 95% H-UCL (KM -Log | | | | | -Log) | 67.37 | | |
| 100 | | | | | KN | ИSD (| logged) | 1.413 | | | | 95% | Critical H | l Valu | ue (KN | 1-Log) | 2.929 |

| | Α | В | С | D | Е | F | G | Н | I | | J | | K | L |
|-----|-------------|-------------|-------------------|----------------|-----------------|---------------|-----------------|---------------|-------------|--------|------------|-----------|------------|-------|
| 101 | | | KM Standa | rd Error of N | lean (logged) | 0.241 | Î | • | • | | | | | |
| 102 | | | | | | | | | | | | | | |
| 103 | | | | | | DL/2 S | Statistics | | | | | | | |
| 104 | | | DL/2 | Normal | | | | | DL/2 Lo | g-Tra | ansforme | d | | |
| 105 | | | | Mean in (| Original Scale | 261.3 | | | | | Mear | n in Log | Scale | 1.978 |
| 106 | | | | | Original Scale | | | | | | |) in Log | | 1.634 |
| 107 | | | | • | nes normality) | | | | | | | % H-Sta | at UCL | 64.07 |
| 108 | | | DL/2 | is not a rec | ommended m | ethod, prov | ided for com | parisons an | d historica | al rea | sons | | | |
| 109 | | | | | | | | | | | | | | |
| 110 | | | | | Nonparame | etric Distrib | ution Free U | CL Statistics | 5 | | | | | |
| 111 | | | De | tected Data | appear Appro | oximate Ga | mma Distrib | uted at 5% S | Significanc | e Le | vel | | | |
| 112 | | | | | | | | | | | | | | |
| 113 | | | | | | | UCL to Use | • | | | | | | |
| 114 | Adjusted KI | M-UCL (use | when k<=1 | and 15 < n < | 50 but k<=1) | 1558 | | | | | | | | |
| 115 | | | | | | | | | | | | | | |
| 116 | | | | | ws an approx | , • | | • | | | | | | |
| 117 | | When app | olicable, it is s | suggested to | use a UCL b | ased upon a | a distribution | (e.g., gamm | a) passing | both | GOF tes | ts in Pro | oUCL | |
| 118 | | | | | | | | | | | | | | |
| 119 | 1 | Note: Sugge | | | ection of a 95% | | | | | | | riate 95 | 5% UCL. | |
| 120 | | | | | lations are bas | | | | | | | | | |
| 121 | | | | | upon the resu | | | | | | | | | |
| 122 | Но | wever, simu | llations resul | ts will not co | ver all Real W | Vorld data s | ets; for additi | onal insight | the user m | ay wa | ant to con | sult a s | tatisticia | an. |
| 123 | | | | | | | | | | | | | | |

| | Α | В | С | D | Е | F | G | H | I | J | K | L |
|----|----------|--------------|--------------|----------------|---------------|---------------|----------------|---|--------------|----------------|----------------|------------|
| 1 | | | | | UCL Statis | tics for Data | Sets with N | on-Detects | | | | |
| 2 | | | | T | | | | | | | | |
| 3 | | | cted Options | | | | | | | | | |
| 4 | Dat | te/Time of C | | ProUCL 5.18 | | 32:06 AM | | | | | | |
| 5 | | | From File | CC in Soil To | CNW.xls | | | | | | | |
| 6 | | | II Precision | OFF | | | | | | | | |
| 7 | | Confidence | | 95% | | | | | | | | |
| 8 | Number o | of Bootstrap | Operations | 2000 | | | | | | | | |
| 9 | 04.040 | | | | | | | | | | | |
| 10 | C4-C12 | | | | | | | | | | | |
| 11 | | | | | | 0 | Otatianiaa | | | | | |
| 12 | | | Total | Number of O | haanuatiana | 57 | Statistics | | Numba | of Diatinat C | Observations | 23 |
| 13 | | | TOlai | | r of Detects | 8 | | | Numbe | | Non-Detects | 49 |
| 14 | | | Ni | mber of Disti | | 8 | | | Numbe | | Non-Detects | 15 |
| 15 | | | INC | | num Detect | 0.052 | | | Numbe | | Non-Detect | 0.042 |
| 16 | | | | | num Detect | | | | | | Non-Detect | 0.042 |
| 17 | | | | | nce Detects | | | | | | Non-Detects | 85.96% |
| 18 | | | | | ean Detects | 713.9 | | | | T CICCIII | SD Detects | 956.4 |
| 19 | | | | | ian Detects | 255.2 | | | | | CV Detects | 1.34 |
| 20 | | | | | ess Detects | 1.261 | | | | Kurt | tosis Detects | 0.877 |
| 21 | | | | Mean of Logo | | 2.727 | | | | | ged Detects | 4.74 |
| 22 | | | | | , | | | | | | 9 | |
| 23 | | | | | Norm | al GOF Tes | t on Detects | Only | | | | |
| 25 | | | S | hapiro Wilk T | | 0.804 | | | Shapiro Wi | lk GOF Test | | |
| 26 | | | 5% SI | napiro Wilk C | ritical Value | 0.818 | [| Detected Da | ta Not Norma | al at 5% Sign | ificance Leve |) |
| 27 | | | | Lilliefors T | est Statistic | 0.272 | | | Lilliefors | GOF Test | | |
| 28 | | | 5 | % Lilliefors C | ritical Value | 0.283 | De | etected Data | appear Norr | nal at 5% Sig | gnificance Lev | /el |
| 29 | | | | Detected [| Data appear | Approximat | e Normal at | 5% Significa | ance Level | | | |
| 30 | | | | | | | | | | | | |
| 31 | | | Kaplan- | Meier (KM) S | tatistics usi | ng Normal C | ritical Value | s and other | Nonparamet | ric UCLs | | |
| 32 | | | | | KM Mean | 100.2 | | | KI | /I Standard E | rror of Mean | 59.03 |
| 33 | | | | | KM SD | 416.9 | | | | 95% KN | (BCA) UCL | 208.8 |
| 34 | | | | 95% | KM (t) UCL | 199 | | | 95% KM (P | ercentile Boo | otstrap) UCL | 191.5 |
| 35 | | | | 95% | KM (z) UCL | 197.3 | | | | 95% KM Boo | otstrap t UCL | 328.1 |
| 36 | | | g | 00% KM Cheb | yshev UCL | 277.3 | | | | | byshev UCL | 357.6 |
| 37 | | | 97 | .5% KM Cheb | yshev UCL | 468.9 | | | (| 99% KM Che | byshev UCL | 687.6 |
| 38 | | | | | | | | | | | | |
| 39 | | | | | | | etected Obse | | • | | | |
| 40 | | | | | est Statistic | 0.813 | | | | rling GOF Te | | |
| 41 | | | | | ritical Value | 0.842 | Detected | • | | | 5% Significan | ce Level |
| 42 | | | | | est Statistic | 0.306 | | | | Smirnov GO | | |
| 43 | | | | | ritical Value | 0.324 | | • | | stributed at 5 | 5% Significan | ce Level |
| 44 | | | | Detected | data appeai | Gamma Di | stributed at § | o% Significa | nce Level | | | |
| 45 | | | | | | <u> </u> | <u> </u> | | | | | |
| 46 | | | | | | | Detected D | ata Only | | | | |
| 47 | | | | | k hat (MLE) | 0.193 | | | | • | rected MLE) | 0.204 |
| 48 | | | | | a hat (MLE) | | | | Theta | • | rected MLE) | 3505 |
| 49 | | | | | u hat (MLE) | 3.081 | | | | nu star (bia | as corrected) | 3.259 |
| 50 | | | | Mea | an (detects) | 713.9 | | | | | | |

| | Α | В | С | | D | | Е | F | G | Н | | | J | | K | L |
|-----|----|-------------|-------------|---------|------------|---------|-----------|----------------|-------------|-------------|--------------|------------|---------------|----------|----------|--------|
| 51 | | | | | | | | | | | | | | | | |
| 52 | | | | | | | | Statistics u | | | | | | | | |
| 53 | | | | • | | | | | | | | | t multiple DL | | | |
| 54 | | GROS ma | • | | | | | | | • | | | size is small | (e.g., < | 15-20) | |
| 55 | | | F | or su | | | | method may | | | | Ls and E | BTVs | | | |
| 56 | | | | | | | | ially true whe | | | | | | | | |
| 57 | | For ga | mma distrib | uted | detected | | | | y be comp | uted using | gamm | na distrib | ution on KM | estimat | tes | |
| 58 | | | | | | M | linimum | | | | | | | | Mean | 100.2 |
| 59 | | | | | | Ma | aximum | | | | | | | <u> </u> | Median | 0.01 |
| 60 | | | | | | | SD | | | | | | | | CV | 4.198 |
| 61 | | | | | | | it (MLE) | | | | | | star (bias co | | , | 0.106 |
| 62 | | | | | Th | eta ha | t (MLE) | 1009 | | | | Theta | star (bias co | | , | 947.1 |
| 63 | | | | | | | t (MLE) | | | | | | nu star (b | ias con | rected) | 12.06 |
| 64 | | | | | | | ance (β) | | | | | | | | | |
| 65 | | Ар | proximate C | hi Sc | uare Va | alue (1 | 2.06, α) | 5.267 | | | Ad | ljusted C | hi Square Va | alue (12 | 2.06, β) | 5.15 |
| 66 | | 95% Gamm | a Approxima | ate U | CL (use | when | n>=50) | 229.4 | | 95% | Gamı | ma Adjus | sted UCL (us | e when | n <50) | 234.6 |
| 67 | | | | | | | | | | | | | | | | |
| 68 | | | | | E | Estima | tes of C | amma Para | meters usi | ng KM Esti | mates | 3 | | | | |
| 69 | | | | | | Mea | an (KM) | 100.2 | | | | | | SI | D (KM) | 416.9 |
| 70 | | | | | \ | √arian | ce (KM) | 173816 | | | | | SE | of Mea | n (KM) | 59.03 |
| 71 | | | | | | k h | at (KM) | 0.0578 | | | | | | k sta | ar (KM) | 0.0665 |
| 72 | | | | | | nu h | at (KM) | 6.589 | | | | | | nu sta | ar (KM) | 7.575 |
| 73 | | | | | t | theta h | at (KM) | 1734 | | | | | th | heta sta | ar (KM) | 1508 |
| 74 | | | 80 |)% ga | amma p | ercent | ile (KM) | 31.69 | | | | 90 | % gamma pe | ercentil | e (KM) | 207.2 |
| 75 | | | 95 | 5% ga | amma po | ercent | ile (KM) | 572.5 | | | | 99 | % gamma pe | ercentil | e (KM) | 1934 |
| 76 | | | | | | | | | | | | | | | | |
| 77 | | | | | | | Gamn | na Kaplan-M | eier (KM) S | Statistics | | | | | | |
| 78 | | А | pproximate | Chi S | quare V | /alue (| 7.58, α) | 2.492 | | | Α | djusted (| Chi Square V | /alue (7 | 7.58, β) | 2.417 |
| 79 | 95 | 5% Gamma Ap | proximate k | KM-U | CL (use | when | n>=50) | 304.7 | | 95% Gar | nma <i>A</i> | Adjusted | KM-UCL (us | e when | n<50) | 314.2 |
| 80 | | | | | | | - | 1 | | | | | | | | |
| 81 | | | | | L | Logno | rmal GC | OF Test on D | etected Ob | servations | Only | , | | | | |
| 82 | | | | Shap | iro Wilk | Test | Statistic | 0.798 | | | S | hapiro W | /ilk GOF Tes | st | | |
| 83 | | | 5% | Shap | iro Wilk | Critica | al Value | 0.818 | [| Detected Da | ata No | ot Lognor | rmal at 5% S | ignifica | nce Lev | vel |
| 84 | | | | I | _illiefors | Test | Statistic | 0.27 | | | | Lilliefors | s GOF Test | | | |
| 85 | | | | 5% L | illiefors | Critica | al Value | 0.283 | De | etected Dat | а арр | ear Logn | ormal at 5% | Signific | cance L | evel |
| 86 | | | | De | etected | Data a | ppear / | Approximate | Lognorma | l at 5% Sig | nifica | nce Leve | əl | | | |
| 87 | | | | | | | | | | | | | | | | |
| 88 | | | | | L | .ognor | mal RO | S Statistics | Using Impu | ited Non-D | etects | S | | | | |
| 89 | | | | N | lean in (| Origina | al Scale | 100.2 | | | | | Mear | n in Log | g Scale | -15.75 |
| 90 | | | | | SD in (| Origina | al Scale | 420.6 | | | | | SE | O in Log | g Scale | 10.47 |
| 91 | | 95% t | UCL (assun | nes n | ormality | of RC | S data) | 193.4 | | | | 95% | Percentile B | Bootstra | ap UCL | 208.8 |
| 92 | | | | 95% | 6 BCA E | Bootstr | ap UCL | 244.1 | | | | | 95% Bo | otstrap | t UCL | 333.7 |
| 93 | | | | 95 | 5% H-U | CL (Lo | g ROS) | N/A | | | | | | | | |
| 94 | | | | | | | | 1 | 1 | | | | | | | |
| 95 | | | Sta | tistics | susing | KM es | timates | on Logged | Data and A | ssuming L | ognor | mal Dist | ribution | | | |
| 96 | | | | | KM N | Mean (| (logged) | -2.341 | | | | | ŀ | KM Ged |) Mean | 0.0962 |
| 97 | | | | | KI | M SD (| (logged) | 2.637 | | | | 95% | Critical H Va | alue (Ki | M-Log) | 4.912 |
| 98 | | | KM Stand | lard E | rror of N | Mean (| logged) | 0.373 | | | | | 95% H-U | ICL (KN | И -Log) | 17.57 |
| 99 | | | | | KI | M SD (| (logged) | 2.637 | | | | 95% | Critical H Va | alue (Ki | M-Log) | 4.912 |
| 100 | | | KM Stand | lard E | rror of N | Mean (| logged) | 0.373 | | | | | | | | |
| .00 | | | | | | | | 1 | I | | | | | | | |

| | Α | В | С | D | Е | F | G | Н | I | J | K | L |
|-----|----|-------------|-------------------|----------------|----------------|---------------|-------------------|-----------------|-----------------|---------------|-------------------|--------|
| 101 | | | | | | | | | | | | |
| 102 | | | | | | DL/2 | Statistics | | | | | |
| 103 | | | DL/2 | Normal | | | | | DL/2 Log-1 | Transformed | i | |
| 104 | | | | Mean in C | riginal Scale | 100.2 | | | | Mean | in Log Scale | -2.743 |
| 105 | | | | SD in C | riginal Scale | 420.6 | | | | SD | in Log Scale | 2.794 |
| 106 | | | 95% t l | JCL (Assum | es normality) | 193.4 | | | | 95% | % H-Stat UCL | 21.78 |
| 107 | | | DL/2 | is not a reco | mmended m | ethod, prov | rided for comp | parisons and | l historical re | easons | | |
| 108 | | | | | | | | | | | | |
| 109 | | | | | Nonparame | etric Distrib | ution Free UC | CL Statistics | | | | |
| 110 | | | De | tected Data | appear Appr | oximate No | rmal Distribu | ted at 5% Si | gnificance L | .evel | | |
| 111 | | | | | | | | | | | | |
| 112 | | | | | | Suggeste | d UCL to Use | | | | | |
| 113 | | | | 95% | 6 KM (t) UCL | 199 | | | | | | |
| 114 | | | | | | | | | | | | |
| 115 | | | When a d | data set follo | ws an approx | imate (e.g., | normal) distri | ibution passi | ng one of the | e GOF test | | |
| 116 | | When app | olicable, it is s | suggested to | use a UCL b | ased upon | a distribution (| (e.g., gamma | n) passing bo | th GOF test | s in ProUCL | |
| 117 | | | | | | | | | | | | |
| 118 | | Note: Sugge | stions regard | ling the sele | ction of a 95% | 6 UCL are p | provided to he | lp the user to | select the n | nost appropr | iate 95% UCL | • |
| 119 | | | F | Recommenda | ations are bas | sed upon da | ata size, data | distribution, a | and skewnes | SS. | | |
| 120 | | These reco | mmendations | s are based i | upon the resu | lts of the si | mulation studi | ies summariz | zed in Singh, | , Maichle, an | nd Lee (2006). | |
| 121 | Но | wever, simu | ılations result | s will not co | ver all Real W | /orld data s | ets; for addition | onal insight th | ne user may | want to cons | sult a statistici | an. |
| 122 | | | | | | | | | | | | |

| | Α | В | С | D | Е | F | G | Н | I | J | K | L |
|----|----------|--------------|--------------|----------------|---------------|---------------|----------------|---|--------------|----------------|---------------|----------|
| 1 | | | | | UCL Statis | tics for Data | Sets with N | on-Detects | | | | |
| 2 | | | | T | | | | | | | | |
| 3 | | | cted Options | | | | | | | | | |
| 4 | Dat | te/Time of C | <u> </u> | ProUCL 5.18 | | 33:05 AM | | | | | | |
| 5 | | | From File | CC in Soil To | CNW.xls | | | | | | | |
| 6 | | | II Precision | OFF | | | | | | | | |
| 7 | | Confidence | | 95% | | | | | | | | |
| 8 | Number o | of Bootstrap | Operations | 2000 | | | | | | | | |
| 9 | 040 000 | | | | | | | | | | | |
| 10 | C13-C22 | | | | | | | | | | | |
| 11 | | | | | | Gonoral | Statistics | | | | | |
| 12 | | | Total | Number of O | heenvations | 57 | Statistics | | Number | of Distinct (| Observations | 12 |
| 13 | | | Total | | r of Detects | 12 | | | Nullibe | | Non-Detects | 45 |
| 14 | | | Nı | umber of Dist | | 11 | | | Numbe | | Non-Detects | 1 |
| 15 | | | | | mum Detect | | | | Numbe | | Non-Detect | 5 |
| 16 | | | | | mum Detect | | | | | | Non-Detect | 5 |
| 17 | | | | | nce Detects | | | | | | Non-Detects | 78.95% |
| 18 | | | | | ean Detects | 665.5 | | | | . 0.00110 | SD Detects | 908.6 |
| 19 | | | | | lian Detects | 170 | | | | | CV Detects | 1.365 |
| 20 | | | | | ess Detects | 1.502 | | | | Kurt | tosis Detects | 0.892 |
| 21 | | | | Mean of Log | ged Detects | 5.518 | | | | | ged Detects | 1.535 |
| 23 | | | | | | | | | | | ,,, | |
| 24 | | | | | Norm | nal GOF Tes | t on Detects | Only | | | | |
| 25 | | | S | hapiro Wilk T | est Statistic | 0.712 | | | Shapiro Wi | lk GOF Test | : | |
| 26 | | | 5% SI | napiro Wilk C | ritical Value | 0.859 | Γ | Detected Da | ta Not Norma | al at 5% Sign | ificance Leve | 1 |
| 27 | | | | Lilliefors T | est Statistic | 0.283 | | | Lilliefors | GOF Test | | |
| 28 | | | 5 | % Lilliefors C | ritical Value | 0.243 | Γ | Detected Da | ta Not Norma | al at 5% Sign | ificance Leve | I |
| 29 | | | | D | etected Data | a Not Norma | l at 5% Sign | ificance Lev | rel . | | | |
| 30 | | | | | | | | | | | | |
| 31 | | | Kaplan-l | Meier (KM) S | tatistics usi | ng Normal C | ritical Value | s and other | Nonparamet | ric UCLs | | |
| 32 | | | | | KM Mean | 144.1 | | | KN | /I Standard E | rror of Mean | 66.61 |
| 33 | | | | | KM SD | 481.5 | | | | 95% KM | (BCA) UCL | 267.4 |
| 34 | | | | | KM (t) UCL | 255.5 | | | • | | otstrap) UCL | 259.6 |
| 35 | | | | | KM (z) UCL | 253.6 | | | | | otstrap t UCL | 399.4 |
| 36 | | | | 00% KM Cheb | • | | | | | | byshev UCL | 434.4 |
| 37 | | | 97 | .5% KM Chel | yshev UCL | 560 | | | (| 99% KM Che | byshev UCL | 806.8 |
| 38 | | | | | | | | | | | | |
| 39 | | | | | | | etected Obse | | • | | | |
| 40 | | | | | est Statistic | 0.615 | | | | rling GOF Te | | |
| 41 | | | | | ritical Value | 0.775 | Detected | • | | | 5% Significan | ce Level |
| 42 | | | | | est Statistic | 0.228 | | | | Smirnov GO | | |
| 43 | | | | | ritical Value | 0.257 | | • | | stributed at 5 | 5% Significan | ce Level |
| 44 | | | | Detected | data appeai | r Gamma Di | stributed at 5 | o% Significa | nce Level | | | |
| 45 | | | | | 0 | Otal-ti- | Dott - 4 D | ata O-1 | | | | |
| 46 | | | | | | | Detected D | ata Only | | . //: | | 0.504 |
| 47 | | | | | k hat (MLE) | 0.625 | | | | , | rected MLE) | 0.524 |
| 48 | | | | | a hat (MLE) | | | | ı neta : | • | rrected MLE) | 1270 |
| 49 | | | | | u hat (MLE) | | | | | nu star (bia | as corrected) | 12.58 |
| 50 | | | | Me | an (detects) | 665.5 | | | | | | |

| | Α | В | С | | D | | E | F | G | Н | | ı | J | | K | L |
|-----|-----|-------------|-------------|---------|-----------|---------|--------------------|----------------|--------------|-------------|--------------|------------|---------------|----------|------------------------|--------|
| 51 | | | | | | | | | | | | | | | | |
| 52 | | | | | | | | S Statistics u | | | | | | | | |
| 53 | | | | • | | | | set has > 50% | | • | | | | | | |
| 54 | | GROS ma | - | | | | | small such a | • | • | | | | I (e.g., | , <15-20) | |
| 55 | | | F | or su | | | | method may | | | | Ls and E | BTVs | | | |
| 56 | | | | | | | | ially true whe | | | | | | | | |
| 57 | | For ga | mma distrib | uted | detected | | | and UCLs ma | y be comp | uted using | gamm | na distrib | ution on KM | l estim | | |
| 58 | | | | | | | linimum | | | | | | | | Mean | 140.1 |
| 59 | | | | | | Ma | aximum | | | | | | | | Median | 0.01 |
| 60 | | | | | | | SD | | | | | | | | CV | 3.475 |
| 61 | | | | | | | it (MLE) | | | | | | star (bias o | | | 0.114 |
| 62 | | | | | Th | | it (MLE) | | | | | Theta | star (bias | | | 1225 |
| 63 | | | | | | | it (MLE) | | | | | | nu star (| bias c | orrected) | 13.04 |
| 64 | | | Adjuste | | | | . , | | | | | | | | | |
| 65 | | - | proximate C | | | - | - | | | | | - | hi Square V | - | | 5.794 |
| 66 | | 95% Gamm | a Approxima | ate U | CL (use | when | n>=50) | 308.7 | | 95% | Gamı | ma Adjus | sted UCL (u | se wh | en n<50) | 315.3 |
| 67 | | | | | | | | | | 101 = 1 | | | | | | |
| 68 | | | | | E | | | Samma Para | meters usi | ng KM Esti | mates | S | | | | |
| 69 | | | | | | | an (KM) | | | | | | | | SD (KM) | 481.5 |
| 70 | | | | | \ | | | 231839 | | | | | SE | | ean (KM) | 66.61 |
| 71 | | | | | | | at (KM) | | | | | | | | star (KM) | 0.0965 |
| 72 | | | | | | | at (KM) | | | | | | | | star (KM) | 11 |
| 73 | | | | | | | at (KM) | | | | | | | | star (KM) | 1493 |
| 74 | | | | | ımma pe | | . , | | | | | | % gamma ı | | . , | 377.6 |
| 75 | | | 95 | o% ga | ımma pe | ercenti | le (KM) | 837.6 | | | | 99 | % gamma į | percen | ntile (KM) | 2329 |
| 76 | | | | | | | | 17 1 14 | -1(1/14) | St. P. P. | | | | | | |
| 77 | | | | 1.0 | | 1 /4 | | na Kaplan-M | eler (KM) : | Statistics | | | 1:0 | | (14.00.0) | 4.400 |
| 78 | 0.5 | | proximate C | | | • | | | | 050/ 0 | | • | hi Square V | • | | 4.469 |
| 79 | 95 | 5% Gamma Ap | proximate r | NIVI-U | CL (use | wnen | n>=50) | 346.3 | | 95% Gar | nma <i>F</i> | Adjusted | KM-UCL (u | se wn | en n<50) | 354.6 |
| 80 | | | | | | | | OF Test on D | atastad Ol | | Only | | | | | |
| 81 | | | | Chan | iro Wilk | | | | etected Oi | oservations | | | AL COE T | | | |
| 82 | | | | | iro Wilk | | | | D | stacted Dat | | | /ilk GOF Te | | ificancal | |
| 83 | | | 5% | | illiefors | | | | De | | | | GOF Test | | illicance L | .evei |
| 84 | | | | | illiefors | | | | D | staatad Dat | | | ormal at 5% | | ificanco I | ovol |
| 85 | | | | 3% L | | | | ppear Logno | | | | | Offilal at 57 | o Sign | illicarice L | .evei |
| 86 | | | | | Dei | lecteu | Data a | ppear Logno | mai at 5% | Significan | ce Le | vei | | | | |
| 87 | | | | | | ognor | mal BC | S Statistics | l loina Impi | stad Nan D | otoot | | | | | |
| 88 | | | | N/ | | | | | Using impo | JIEG NOII-D | eleci | 5 | Mod | on in I | og Soolo | 0.463 |
| 89 | | | | IV | lean in (| | al Scale | | | | | | | | og Scale | |
| 90 | | 0E9/ + | UCL (assum | 200 n | | - | | | | | | 050/ | Percentile | | • | 259.8 |
| 91 | | 95% t | OCL (assum | | | | | | | | | 95% | | | | |
| 92 | | | | | BCA B | | | | | | | | 95% E | ooistr | ap t UCL | 431.6 |
| 93 | | | | 95 | 5% H-U(| ∪L (L0 | y KUS) | 26830 | | | | | | | | |
| 94 | | | C4-4 | tietie- | . uoisa i | V\4 | timoto | on Logged | Date and A | ooumina ! | 0455- | mal Dist | ribution | | | |
| 95 | | | Siai | นธนตร | | | | on Logged | vala and A | asuming L | vyrior | ıııaı DIST | | KMO | ieo Mean | 11.38 |
| 96 | | | | | | - | logged) | | | | | OE0/ | Critical H \ | | | 3.396 |
| 97 | | | KM Stand | ard F | | | | | | | | 95% | | | (KIVI-LOG) KM -Log) | 111.5 |
| 98 | | | VIAL SIGUE | aiu 🗀 | | - | loggea) logged) | | | | | OE0/ | Critical H \ | • | | 3.396 |
| 99 | | | KM C+ | ord F | | | | | | | | 95% | Chucal H V | aiue (| (rxivi-LOG) | 3.390 |
| 100 | | | KM Stand | aro E | iror of N | viean (| ioggea) | 0.239 | | | | | | | | |

| | Α | В | С | D | Е | F | G | Н | | J | K | L |
|-----|----|--------------|----------------|---------------|----------------|-----------------|------------------|-----------------|-----------------|----------------|-----------------|-------|
| 101 | | | | | | | | | | | | |
| 102 | | | | | | DL/2 S | tatistics | | | | | |
| 103 | | | DL/2 | Normal | | | | | DL/2 Log-1 | ransformed | | |
| 104 | | | | Mean in C | riginal Scale | 142.1 | | | | Mean i | in Log Scale | 1.885 |
| 105 | | | | SD in C | riginal Scale | 486.4 | | | | SD i | in Log Scale | 2.011 |
| 106 | | | 95% t l | JCL (Assum | es normality) | 249.8 | | | | 95% | H-Stat UCL | 137.7 |
| 107 | | | DL/2 | is not a reco | mmended m | ethod, provi | ded for com | parisons and | l historical re | easons | | |
| 108 | | | | | | | | | | | | |
| 109 | | | | | Nonparame | etric Distribu | tion Free UC | CL Statistics | | | | |
| 110 | | | | Detected | d Data appea | r Gamma Di | stributed at | 5% Significa | nce Level | | | |
| 111 | | | | | | | | | | | | |
| 112 | | | | | | Suggested | UCL to Use | | | | | |
| 113 | | | 95% KM A | pproximate | Gamma UCL | 346.3 | | | | | | |
| 114 | | | | | | | | | | | | |
| 115 | | Note: Sugge: | stions regard | ling the sele | ction of a 95% | 6 UCL are pr | ovided to he | lp the user to | select the m | nost appropria | ate 95% UCI | |
| 116 | | | F | Recommend | ations are bas | sed upon dat | a size, data | distribution, | and skewnes | SS. | | |
| 117 | | These recor | mmendations | s are based | upon the resu | ılts of the sim | nulation studi | ies summariz | zed in Singh, | Maichle, and | d Lee (2006). | |
| 118 | Но | wever, simu | lations result | s will not co | ver all Real W | Vorld data se | ts; for addition | onal insight th | ne user may | want to cons | ult a statistic | ian. |
| 119 | | | | | | | | | | | | |

| | Α | В | С | D | Е | F | G | Н | I | J | K | L |
|----|----------|--------------|--------------|----------------|---------------|---------------|----------------|---|--------------|----------------|----------------|----------|
| 1 | | | | | UCL Statis | tics for Data | Sets with N | on-Detects | | | | |
| 2 | | | | T | | | | | | | | |
| 3 | | | cted Options | | | | | | | | | |
| 4 | Dat | te/Time of C | <u> </u> | ProUCL 5.18 | | 33:31 AM | | | | | | |
| 5 | | | From File | CC in Soil To | CNW.xls | | | | | | | |
| 6 | | | II Precision | OFF | | | | | | | | |
| 7 | | Confidence | | 95% | | | | | | | | |
| 8 | Number o | of Bootstrap | Operations | 2000 | | | | | | | | |
| 9 | 000 040 | | | | | | | | | | | |
| 10 | C23-C40 | | | | | | | | | | | |
| 11 | | | | | | 0 | Otatianiaa | | | | | |
| 12 | | | Total | Number of O | boonyotions | 57 | Statistics | | Numba | of Diatinat C | Observations | 17 |
| 13 | | | TOlai | | er of Detects | 18 | | | Numbe | | Non-Detects | 39 |
| 14 | | | Ni | ımber of Dist | | 16 | | | Numbe | | Non-Detects | 2 |
| 15 | | | INC | | mum Detect | 5 | | | Numbe | | Non-Detect | 5 |
| 16 | | | | | mum Detect | | | | | | Non-Detect | 250 |
| 17 | | | | | nce Detects | | | | | | Non-Detects | 68.42% |
| 18 | | | | | ean Detects | 388.3 | | | | T CICCIII | SD Detects | 508.4 |
| 19 | | | | | dian Detects | 200 | | | | | CV Detects | 1.309 |
| 20 | | | | | ess Detects | 2.884 | | | | Kurt | tosis Detects | 10.03 |
| 21 | | | | Mean of Log | | 5.226 | | | | | ged Detects | 1.429 |
| 22 | | | | | 9 | | | | | | 19 | |
| 23 | | | | | Norm | al GOF Tes | t on Detects | Only | | | | |
| 25 | | | S | hapiro Wilk T | | 0.657 | | | Shapiro Wi | lk GOF Test | : | |
| 26 | | | 5% SI | napiro Wilk C | ritical Value | 0.897 | [| Detected Da | ta Not Norma | al at 5% Sign | ificance Leve | , |
| 27 | | | | Lilliefors T | est Statistic | 0.248 | | | Lilliefors | GOF Test | | |
| 28 | | | 5 | % Lilliefors C | ritical Value | 0.202 | [| Detected Da | ta Not Norma | al at 5% Sign | ificance Leve | |
| 29 | | | | D | etected Data | Not Norma | l at 5% Sign | ificance Lev | el | | | |
| 30 | | | | | | | | | | | | |
| 31 | | | Kaplan- | Meier (KM) S | tatistics usi | ng Normal C | ritical Value | s and other | Nonparamet | ric UCLs | | |
| 32 | | | | | KM Mean | 126.4 | | | KN | /I Standard E | rror of Mean | 44.97 |
| 33 | | | | | KM SD | 329.9 | | | | 95% KN | I (BCA) UCL | 207.7 |
| 34 | | | | 95% | KM (t) UCL | 201.6 | | | 95% KM (P | ercentile Boo | otstrap) UCL | 203.4 |
| 35 | | | | 95% | KM (z) UCL | 200.4 | | | | 95% KM Boo | otstrap t UCL | 277.1 |
| 36 | | | g | 00% KM Cheb | yshev UCL | 261.3 | | | | | byshev UCL | 322.4 |
| 37 | | | 97 | .5% KM Chel | yshev UCL | 407.2 | | | (| 99% KM Che | byshev UCL | 573.8 |
| 38 | | | | | | | | | | | | |
| 39 | | | | | | | etected Obse | | | | | |
| 40 | | | | | est Statistic | 0.359 | | | | rling GOF Te | | |
| 41 | | | | | ritical Value | 0.775 | Detected | • | | | 5% Significand | ce Level |
| 42 | | | | | est Statistic | 0.137 | | | | Smirnov GO | | |
| 43 | | | | | ritical Value | 0.211 | | • | | stributed at 5 | 5% Significand | ce Level |
| 44 | | | | Detected | data appea | Gamma Dis | stributed at § | 5% Significa | nce Level | | | |
| 45 | | | | | | <u> </u> | <u> </u> | | | | | |
| 46 | | | | | | | Detected D | ata Only | | | | |
| 47 | | | | | k hat (MLE) | 0.806 | | | | • | rrected MLE) | 0.708 |
| 48 | | | | | a hat (MLE) | | | | Theta | • | rrected MLE) | 548.1 |
| 49 | | | | | u hat (MLE) | | | | | nu star (bia | as corrected) | 25.5 |
| 50 | | | | Me | an (detects) | 388.3 | | | | | | |

| | Α | В | С | | D | | E | F | G | Н | | ı | J | | K | L |
|-----|----|-------------|-------------|--------|------------|---------|-----------|----------------|-------------|--------------|--------|------------|---------------|----------|----------|-------|
| 51 | | | | | | | | | | | | | | | | |
| 52 | | | | | | | | Statistics u | | | | | | | | |
| 53 | | | | • | | | | set has > 50% | | • | | | • | | | |
| 54 | | GROS ma | • | | | | | small such a | | • | | | | (e.g., < | <15-20) | |
| 55 | | | F | or s | uch situa | | | method may | | | | s and E | BTVs | | | |
| 56 | | | | | | | | ially true whe | | | | | | | | |
| 57 | | For ga | mma distrib | uted | detecte | | | and UCLs ma | y be compu | ıted using g | gamma | a distrib | ution on KM | estima | ites | |
| 58 | | | | | | M | linimum | | | | | | | | Mean | 122.6 |
| 59 | | | | | | Ma | aximum | | | | | | | | Median | 0.01 |
| 60 | | | | | | | SD | | | | | | | | CV | 2.725 |
| 61 | | | | | | | it (MLE) | | | | | | star (bias co | | , | 0.13 |
| 62 | | | | | Th | neta ha | it (MLE) | 981.1 | | | | Theta | star (bias co | orrecte | d MLE) | 942.5 |
| 63 | | | | | | | it (MLE) | | | | | | nu star (b | ias cor | rected) | 14.83 |
| 64 | | | | | vel of S | | , | | | | | | | | | |
| 65 | | Ар | proximate C | Chi So | quare Va | alue (1 | 4.83, α) | 7.145 | | | Adjı | usted C | hi Square Va | alue (14 | 4.83, β) | 7.006 |
| 66 | | 95% Gamm | a Approxima | ate U | CL (use | when | n>=50) | 254.5 | | 95% | Gamm | na Adjus | sted UCL (us | e wher | n n<50) | 259.6 |
| 67 | | | | | | | | | | | | | | | · | |
| 68 | | | | | E | Estima | tes of C | amma Para | meters usir | g KM Estir | mates | | | | | |
| 69 | | | | | | Mea | an (KM) | 126.4 | | | | | | S | D (KM) | 329.9 |
| 70 | | | | | ' | Varian | ce (KM) | 108801 | | | | | SE | of Mea | an (KM) | 44.97 |
| 71 | | | | | | k h | at (KM) | 0.147 | | | | | | k sta | ar (KM) | 0.151 |
| 72 | | | | | | nu h | at (KM) | 16.74 | | | | | | nu sta | ar (KM) | 17.19 |
| 73 | | | | | 1 | theta h | at (KM) | 860.8 | | | | | tl | neta sta | ar (KM) | 838.1 |
| 74 | | | 80 | 0% ga | amma p | ercenti | ile (KM) | 138.2 | | | | 90 | % gamma p | ercenti | le (KM) | 375.1 |
| 75 | | | 95 | 5% ga | amma p | ercenti | ile (KM) | 694.9 | | | | 99 | % gamma p | ercenti | le (KM) | 1622 |
| 76 | | | | | | | | | | | | | | | | |
| 77 | | | | | | | Gamn | na Kaplan-M | eier (KM) S | tatistics | | | | | | |
| 78 | | Ар | proximate C | Chi So | quare Va | alue (1 | 7.19, α) | 8.809 | | | Adjı | usted C | hi Square Va | alue (1 | 7.19, β) | 8.653 |
| 79 | 95 | 5% Gamma Ap | proximate k | KM-U | CL (use | when | n>=50) | 246.7 | | 95% Gam | nma A | djusted | KM-UCL (us | e wher | n n<50) | 251.1 |
| 80 | | | | | | | | 1 | I | | | | | | | |
| 81 | | | | | | Lognoi | rmal GC | OF Test on D | etected Ob | servations | Only | | | | | |
| 82 | | | | Shap | oiro Wilk | (Test S | Statistic | 0.945 | | | Sh | apiro W | /ilk GOF Tes | st | | |
| 83 | | | 5% | Shap | iro Wilk | Critica | al Value | 0.897 | De | tected Data | а арре | ar Logn | ormal at 5% | Signifi | cance L | evel |
| 84 | | | | | Lilliefors | Test S | Statistic | 0.144 | | | ı | _illiefors | GOF Test | | | |
| 85 | | | | 5% I | _illiefors | Critica | al Value | 0.202 | De | tected Data | а арре | ar Logn | ormal at 5% | Signifi | cance L | evel |
| 86 | | | | | De | tected | Data a | ppear Logno | rmal at 5% | Significand | ce Lev | el | | | | |
| 87 | | | | | | | | | | | | | | | | |
| 88 | | | | | L | ognor | mal RO | S Statistics | Using Impu | ted Non-De | etects | | | | | |
| 89 | | | | N | /lean in | Origina | al Scale | 127.2 | | | | | Mea | n in Lo | g Scale | 2.284 |
| 90 | | | | | SD in | Origina | al Scale | 332.5 | | | | | SE |) in Lo | g Scale | 2.59 |
| 91 | | 95% t | UCL (assun | nes n | ormality | of RO | S data) | 200.9 | | | | 95% | Percentile E | 3ootstra | ap UCL | 197.5 |
| 92 | | | | 95% | % BCA E | Bootstr | ap UCL | 244.9 | | | | | 95% Bo | otstra | p t UCL | 267.8 |
| 93 | | | | 9 | 5% H-U | CL (Lo | g ROS) | 1496 | | | | | | | | |
| 94 | | | | | | | | 1 | II. | | | | | | | |
| 95 | | | Sta | tistic | s using | KM es | timates | on Logged | Data and As | ssuming Lo | gnorn | nal Dist | ribution | | | |
| 96 | | | | | KMI | Mean (| logged) | 2.761 | | | | | ŀ | KM Ge | o Mean | 15.82 |
| 97 | | | | | KI | M SD (| logged) | 1.855 | | | | 95% | Critical H Va | alue (K | M-Log) | 3.569 |
| 98 | | | KM Stand | lard E | Error of I | Mean (| logged) | 0.254 | | | | | 95% H-U | ICL (KI | M -Log) | 214.3 |
| 99 | | | | | KI | M SD (| logged) | 1.855 | | | | 95% | Critical H Va | alue (K | M-Log) | 3.569 |
| 100 | | | KM Stand | lard E | | • | | | | | | | | | | |
| 100 | | | | | | | , 55 / | | | | | | | | | |

| | Α | В | С | D | E | F | G | Н | I | J | K | L | | |
|-----|----|--|----------------|----------------|----------------|-----------------|------------------|----------------|-----------------|----------------|-----------------|-------|--|--|
| 101 | | | | | | | | | | | | | | |
| 102 | | | | | | DL/2 S | tatistics | | | | | | | |
| 103 | | | DL/2 I | Normal | | | | | DL/2 Log-1 | ransformed | | | | |
| 104 | | | | Mean in C | riginal Scale | 126.5 | | | | Mean | in Log Scale | 2.346 | | |
| 105 | | | | SD in C | riginal Scale | 333.1 | | | | SDi | in Log Scale | 2.187 | | |
| 106 | | | 95% t l | JCL (Assum | es normality) | 200.3 | | | | 95% | H-Stat UCL | 376 | | |
| 107 | | | DL/2 | s not a reco | mmended m | ethod, provi | ded for comp | parisons and | d historical re | easons | | • | | |
| 108 | | Nonparametric Distribution Free UCL Statistics | | | | | | | | | | | | |
| 109 | | Nonparametric Distribution Free UCL Statistics | | | | | | | | | | | | |
| 110 | | | | Detected | l Data appea | r Gamma Di | stributed at | 5% Significa | nce Level | | | | | |
| 111 | | | | | | | | | | | | | | |
| 112 | | | | | | Suggested | UCL to Use | | | | | | | |
| 113 | | | 95% KM A | pproximate (| Gamma UCL | 246.7 | | | | | | | | |
| 114 | | | | | | | | | | | | | | |
| 115 | 1 | Note: Sugge | stions regard | ing the selec | ction of a 95% | 6 UCL are pr | ovided to he | lp the user to | select the m | nost appropria | ate 95% UCL | | | |
| 116 | | | F | Recommenda | ations are ba | sed upon dat | a size, data | distribution, | and skewnes | SS. | | | | |
| 117 | | These reco | mmendations | are based (| upon the resu | ılts of the sim | nulation studi | ies summari: | zed in Singh, | Maichle, and | d Lee (2006). | | | |
| 118 | Но | wever, simu | lations result | s will not cov | ver all Real V | Vorld data se | ts; for addition | onal insight t | he user may | want to cons | ult a statistic | ian. | | |
| 119 | | | | | | | | | | | | | | |

| | Α | В | С | D | Е | F | G | Н | I | J | K | L |
|----|-------------|----------------|---------------|-----------------|----------------|---------------|--------------|---------------|--------------|------------------|-----------------|-----------|
| 1 | | | | | UCL Statis | tics for Data | Sets with N | lon-Detects | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | User Sele | cted Options | | | | | | | | | |
| 4 | Da | ite/Time of Co | omputation | ProUCL 5.18 | 3/7/2021 10: | 37:25 AM | | | | | | |
| 5 | | | From File | Soil Vapor T | CNW.xls | | | | | | | |
| 6 | | Ful | II Precision | OFF | | | | | | | | |
| 7 | | Confidence | Coefficient | 95% | | | | | | | | |
| 8 | Number | of Bootstrap (| Operations | 2000 | | | | | | | | |
| 9 | | | | | | | | | | | | |
| 10 | cis-1,2-Dic | hloroethene | | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | General | Statistics | | | | | |
| 13 | | | Total | Number of O | bservations | 40 | | | Numbe | r of Distinct C | Observations | 2 |
| 14 | | | | Numbe | r of Detects | 1 | | | | Number of I | Non-Detects | 39 |
| 15 | | | N | umber of Dist | inct Detects | 1 | | | Numbe | er of Distinct I | Non-Detects | 1 |
| 16 | | | | | | | | | | | | |
| 17 | | Warning: On | ly one distin | ct data value | was detecte | ed! ProUCL | (or any othe | r software) s | hould not be | e used on su | ch a data set | |
| 18 | It is sugg | ested to use | alternative | site specific v | alues deterr | mined by the | Project Tea | am to estimat | te environm | ental parame | eters (e.g., Ef | PC, BTV). |
| 19 | | | | | | | | | | | | |
| 20 | | | | The data s | set for varial | ble cis-1,2-D | ichloroether | ne was not p | rocessed! | | | |
| 21 | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | |

| | Α | В | С | D | Е | F | G | Н | I | J | K | L |
|----|-------------|----------------|---------------|-----------------|---------------|---------------|---------------|--------------|------------|------------------|-----------------|-----------|
| 1 | | | | | UCL Statis | tics for Data | Sets with N | on-Detects | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | User Sele | cted Options | | | | | | | | | |
| 4 | Da | ite/Time of Co | omputation | ProUCL 5.18 | 3/7/2021 10: | 37:49 AM | | | | | | |
| 5 | | | From File | Soil Vapor T | CNW.xls | | | | | | | |
| 6 | | Ful | II Precision | OFF | | | | | | | | |
| 7 | | Confidence | Coefficient | 95% | | | | | | | | |
| 8 | Number | of Bootstrap (| Operations | 2000 | | | | | | | | |
| 9 | | | | | | | | | | | | |
| 10 | Di-isopropy | ylether | | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | | Statistics | | | | | |
| 13 | | | Total | Number of O | bservations | 40 | | | Numbe | r of Distinct C | Observations | 2 |
| 14 | | | | Numbe | r of Detects | 1 | | | | Number of I | Non-Detects | 39 |
| 15 | | | N | umber of Disti | inct Detects | 1 | | | Numbe | er of Distinct I | Non-Detects | 1 |
| 16 | | | | | | | | | | | | |
| 17 | | - | • | ct data value | | | | | | | | |
| 18 | It is sugg | ested to use | alternative s | site specific v | alues deterr | mined by the | Project Tea | m to estimat | e environm | ental parame | eters (e.g., El | PC, BTV). |
| 19 | | | | | | | | | | | | |
| 20 | | | | The dat | ta set for va | riable Di-iso | propylether v | was not proc | essed! | | | |
| 21 | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | |

| | Α | В | С | D | Е | F | G | Н | I | J | K | L |
|----|------------|--------------|--------------|------------------|---------------|---------------|----------------|---------------|--------------|----------------|---------------|-------|
| 1 | | | | | UCL Statis | tics for Data | Sets with N | on-Detects | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | cted Options | | | | | | | | | |
| 4 | Dat | te/Time of C | · | ProUCL 5.18/ | | 38:11 AM | | | | | | |
| 5 | | | From File | Soil Vapor TC | CNW.xls | | | | | | | |
| 6 | | | II Precision | OFF | | | | | | | | |
| 7 | | Confidence | | 95% | | | | | | | | |
| 8 | Number o | of Bootstrap | Operations | 2000 | | | | | | | | |
| 9 | | | | | | | | | | | | |
| 10 | Ethylbenze | ne | | | | | | | | | | |
| 11 | | | | | | 0 | Otatiania | | | | | |
| 12 | | | Total | Number of Ob | a a myatia na | 40 | Statistics | | Numba | of Diatinat C | Observations | 4 |
| 13 | | | l Olai | | of Detects | 3 | | | Numbe | | Non-Detects | 37 |
| 14 | | | Ni | umber of Distir | | 3 | | | Numbe | | Non-Detects | 1 |
| 15 | | | INI | | um Detect | | | | Numbe | | Non-Detect | 8 |
| 16 | | | | | um Detect | | | | | | Non-Detect | 8 |
| 17 | | | | | ce Detects | | | | | | Non-Detects | 92.5% |
| 18 | | | | | an Detects | | | | | T CICCIII | SD Detects | 1360 |
| 19 | | | | | an Detects | | | | | | CV Detects | 0.866 |
| 20 | | | | | ss Detects | -1.051 | | | | Kurt | osis Detects | N/A |
| 21 | | | | Mean of Logg | | 6.59 | | | | | ged Detects | 1.988 |
| 23 | | | | | | | | | | | | |
| 24 | | | | , | Warning: D | ata set has | only 3 Detec | ted Values. | | | | |
| 25 | | | TI | his is not enou | igh to comp | oute meanin | gful or reliab | le statistics | and estimate | es. | | |
| 26 | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | |
| 28 | | | | | Norm | nal GOF Tes | t on Detects | Only | | | | |
| 29 | | | S | hapiro Wilk Te | st Statistic | 0.953 | | | Shapiro Wi | lk GOF Test | | |
| 30 | | | 5% SI | hapiro Wilk Cri | tical Value | 0.767 | De | etected Data | appear Norr | nal at 5% Sig | nificance Lev | /el |
| 31 | | | | Lilliefors Te | st Statistic | 0.265 | | | Lilliefors | GOF Test | | |
| 32 | | | 5 | % Lilliefors Cri | | 0.425 | | | • • | nal at 5% Sig | nificance Lev | /el |
| 33 | | | | Dete | cted Data | appear Norn | nal at 5% Sig | nificance Le | evel | | | |
| 34 | | | | | | | | | | | | |
| 35 | | | Kaplan- | Meier (KM) St | | | ritical Value | s and other | • | | | |
| 36 | | | | | KM Mean | | | | KN | | rror of Mean | 99.13 |
| 37 | | | | | KM SD | | | | | | 1 (BCA) UCL | N/A |
| 38 | | | | | KM (t) UCL | | | | ` | ercentile Bo | • / | N/A |
| 39 | | | | | (M (z) UCL | 288.3 | | | | 95% KM Boo | · | N/A |
| 40 | | | | 00% KM Cheby | | | | | | | byshev UCL | 557.3 |
| 41 | | | 97 | .5% KM Cheby | ysnev UCL | 744.3 | | | | 99% KM Che | byshev UCL | 1112 |
| 42 | | | | 0- | mma COT | Tooto on D | stantad Obs | motions O- | h. | | | |
| 43 | | | | Ga | | | etected Obse | | ııy | | | |
| 44 | | | | | NOT EN | ougn Data to | Perform G0 | JE I EST | | | | |
| 45 | | | | | Gamma | Statistics of | Detected D | ata Only | | | | |
| 46 | | | | L | hat (MLE) | | Detected D | ala Olliy | le e | star (bias cor | rected MI EV | N/A |
| 47 | | | | | hat (MLE) | | | | | star (bias cor | * | N/A |
| 48 | | | | | hat (MLE) | | | | i ileta : | | s corrected) | N/A |
| 49 | | | | | n (detects) | | | | | ווע אנמו (טומ | io con ecteu) | 11// |
| 50 | | | | iviea | ii (ueletis) | 13/1 | | | | | | |

| 117.9 0.01 4.413 0.105 1121 8.413 2.856 N/A |
|--|
| 0.01 4.413 0.105 1121 8.413 |
| 0.01 4.413 0.105 1121 8.413 |
| 0.01 4.413 0.105 1121 8.413 |
| 0.01 4.413 0.105 1121 8.413 |
| 0.01 4.413 0.105 1121 8.413 |
| 0.01 4.413 0.105 1121 8.413 |
| 0.01 4.413 0.105 1121 8.413 |
| 4.413 0.105 1121 8.413 2.856 |
| 0.105 1121 8.413 2.856 |
| 1121 8.413 2.856 |
| 8.413 2.856 |
| 2.856 |
| |
| |
| N/A |
| |
| |
| |
| 511.9 |
| 99.13 |
| 0.072 |
| 5.764 |
| 1738 |
| 276.3 |
| 2329 |
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| 1.441 |
| 501 |
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| -5.693 |
| 6.444 |
| 260.3 |
| |
| 5265 |
| 5265 |
| 5265 |
| 5265 |
| 5265 11.22 |
| |
| 11.22 |
| |

| | Α | В | С | D | E | F | G | Н | | J | K | L | |
|-----|----|--|-----------------|----------------|----------------|-----------------|------------------|-------------------|-----------------|---------------|-------------------|-------|--|
| 101 | | | KM Standar | rd Error of M | ean (logged) | 0.246 | | | | | | | |
| 102 | | | | | | | | | | | | | |
| 103 | | | | | | DL/2 S | tatistics | | | | | | |
| 104 | | | DL/2 N | Normal | | | | | DL/2 Log-1 | ransformed | | | |
| 105 | | | | Mean in O | riginal Scale | 121.6 | | Mean in Log Scale | | | | | |
| 106 | | | | SD in O | riginal Scale | 519.3 | | | | SD | in Log Scale | 1.459 | |
| 107 | | 95% t UCL (Assumes normality) 259.9 95% H-Stat UCL | | | | | | | | | 34.5 | | |
| 108 | | | DL/2 i | s not a reco | mmended m | ethod, provi | ded for comp | parisons and | d historical re | easons | " | | |
| 109 | | | | | | | | | | | | | |
| 110 | | | | | Nonparame | etric Distribu | tion Free UC | CL Statistics | 1 | | | | |
| 111 | | | | Detected | l Data appea | r Normal Di | stributed at 5 | 5% Significa | nce Level | | | | |
| 112 | | | | | | | | | | | | | |
| 113 | | | | | | Suggested | UCL to Use | | | | | | |
| 114 | | | | 95% | KM (t) UCL | 292.3 | | | | | | | |
| 115 | | | | | | | | | | | | | |
| 116 | | Note: Sugg | estions regard | ing the selec | tion of a 95% | 6 UCL are p | ovided to hel | lp the user to | select the n | nost appropri | ate 95% UCL | • | |
| 117 | | | F | Recommenda | ations are bas | sed upon da | ta size, data | distribution, | and skewnes | SS. | | | |
| 118 | | These reco | ommendations | are based u | ipon the resu | ılts of the sin | nulation studi | ies summari | zed in Singh, | Maichle, and | d Lee (2006). | | |
| 119 | Но | wever, sim | ulations result | s will not cov | er all Real W | Vorld data se | ts; for addition | onal insight t | he user may | want to cons | ult a statisticia | an. | |
| 120 | | | | | | | | | | | | | |

| | Α | В | С | D | E | F | G | H | I | J | K | L |
|----|-------------|----------------|--------------------------|-----------------|----------------|----------------|------------------------------|--------------|--------------|-----------------|---------------|----------|
| 1 | | | | | UCL Statis | stics for Data | Sets with N | on-Detects | | | | |
| 2 | | Herr O. I | | | | | | | | | | |
| 3 | D | | ected Options | | 18/7/2021 10: | 4F:4C AM | | | | | | |
| 4 | Da | te/Time of C | Computation From File | | | 45:46 AIVI | | | | | | |
| 5 | | Г. | III Precision | Soil Vapor | T CNVV.XIS | | | | | | | |
| 6 | | | Coefficient | 95% | | | | | | | | |
| 7 | | | | 2000 | | | | | | | | |
| 8 | Number | от воосѕатар | Operations | 2000 | | | | | | | | |
| 9 | Gasoline R | ange Organ | nice (CPO) | | | | | | | | | |
| 10 | Casonile IV | ange Organ | iica (Gi (O) | | | | | | | | | |
| 11 | | | | | | General | Statistics | | | | | |
| 12 | | | Total | Number of 0 | Observations | | | | Numbe | r of Distinct C |)bservations | 7 |
| 13 | | | 10101 | | er of Detects | _ | | | - Trainibo | | Non-Detects | 34 |
| 14 | | | N | | stinct Detects | | | | Numbe | er of Distinct | | 1 |
| 15 | | | | | nimum Detect | | | | - Trainib | | Non-Detect | |
| 16 | | | | | imum Detect | | | | | | Non-Detect | |
| 17 | | | | | ance Detects | | | | | | Non-Detects | 85% |
| 18 | | | | | Mean Detects | | | | | | SD Detects | |
| 19 | | | | | edian Detects | | | | | | CV Detects | 2.185 |
| 20 | | | | Skew | ness Detects | 2.425 | | | | Kurt | osis Detects | 5.901 |
| 21 | | | | | gged Detects | | | | | | ged Detects | 2.795 |
| 22 | | | | | 99 | | | | | | 9 | |
| 23 | | | | | Norn | nal GOF Tes | t on Detects | Only | | | | |
| 25 | | | S | Shapiro Wilk | Test Statistic | | | | Shapiro Wi | ilk GOF Test | | |
| 26 | | | 5% S | hapiro Wilk (| Critical Value | 0.788 | | Detected Da | ta Not Norma | al at 5% Sign | ificance Leve | el |
| 27 | | | | Lilliefors | Test Statistic | 0.442 | | | Lilliefors | GOF Test | | |
| 28 | | | 5 | 5% Lilliefors (| Critical Value | 0.325 | Γ | Detected Da | ta Not Norma | al at 5% Sign | ificance Leve | el |
| 29 | | | | | Detected Dat | a Not Norma | l at 5% Sign | ificance Lev | rel | | | |
| 30 | | | | | | | | | | | | |
| 31 | | | Kaplan- | Meier (KM) | Statistics usi | ng Normal C | ritical Value | s and other | Nonparame | tric UCLs | | |
| 32 | | | | | KM Mean | 1275920 | | | KI | M Standard E | rror of Mean | 1252271 |
| 33 | | KM SD | | | | | | | | 95% KN | (BCA) UCL | 3599815 |
| 34 | | 95% KM (t) UCL | | | | | | | 95% KM (F | Percentile Boo | otstrap) UCL | 3582945 |
| 35 | | | | 95% | 6 KM (z) UCL | 3335722 | | | | 95% KM Boo | tstrap t UCL | 56368730 |
| 36 | | | , | 90% KM Che | ebyshev UCL | 5032732 | | | ! | 95% KM Che | byshev UCL | 6734441 |
| 37 | | | 97 | .5% KM Che | ebyshev UCL | 9096348 | | | ! | 99% KM Che | byshev UCL | 13735855 |
| 38 | | | | | | | | | | | | |
| 39 | | | | (| Gamma GOF | Tests on De | etected Obse | ervations Or | nly | | | |
| 40 | | | | A-D | Test Statistic | 0.475 | | A | nderson-Da | rling GOF Te | est | |
| 41 | | | | 5% A-D (| Critical Value | 0.778 | Detected | d data appea | ar Gamma D | istributed at 5 | % Significan | ce Level |
| 42 | | | | K-S | Test Statistic | 0.242 | | | - | -Smirnov GO | | |
| 43 | | | | | Critical Value | | | | | istributed at 5 | 5% Significan | ce Level |
| 44 | | | | Detected | d data appea | r Gamma Di | stributed at 5 | 5% Significa | nce Level | | | |
| 45 | | | | | | | | | | | | |
| 46 | | | | | | Statistics or | Detected D | ata Only | | | | |
| 47 | | | | | k hat (MLE) | | 7 k star (bias corrected MLI | | | | | |
| 48 | | | | | eta hat (MLE) | | | | Theta | star (bias cor | <u> </u> | |
| 49 | | | | | nu hat (MLE) | | | | | nu star (bia | as corrected) | 2.936 |
| 50 | | | | Me | ean (detects) | 8494800 | | | | | | |

| Median CV corrected MLE) | 1274220 | | | | |
|---|--|--|--|--|--|
| I (e.g., <15-20) I estimates Mean Median CV corrected MLE) | 0.01 | | | | |
| I (e.g., <15-20) I estimates Mean Median CV corrected MLE) | 0.01 | | | | |
| M estimates Mean Median CV corrected MLE) | 0.01 | | | | |
| Mean Median CV corrected MLE) | 0.01 | | | | |
| Mean Median CV corrected MLE) | 0.01 | | | | |
| Mean Median CV corrected MLE) | 0.01 | | | | |
| Median CV corrected MLE) | 0.01 | | | | |
| CV corrected MLE) | | | | | |
| corrected MLE) | F 7 4 7 | | | | |
| | 5.747 | | | | |
| | 0.067 | | | | |
| corrected MLE) | 19031505 5.356 | | | | |
| LE) 4.349 nu star (bias corrected) (β) 0.044 | | | | | |
| | | | | | |
| | 1.248 | | | | |
| se when n<50) | 5470073 | | | | |
| | | | | | |
| | | | | | |
| • | | | | | |
| E of Mean (KM) | 1252271 | | | | |
| k star (KM) | 0.0455 | | | | |
| · · · | | | | | |
| <u> </u> | | | | | |
| percentile (KM) | 1705881 | | | | |
| percentile (KM) | 28788821 | | | | |
| | | | | | |
| | | | | | |
| | 0.543 | | | | |
| se when n<50) | 8550284 | | | | |
| | | | | | |
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| · · | .evel | | | | |
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| 6 Significance L | .evel | | | | |
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| <u> </u> | | | | | |
| ootstrap t UCL | 65642478 | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| KM Geo Mean | 4719 | | | | |
| /alue (KM-Log) | 4.183 | | | | |
| UCL (KM -Log) | 283682 | | | | |
| /alue (KM-Log) | 4.183 | | | | |
| e u SE U SE U SE SE SE SE SE SE SE SE SE SE SE SE SE | SD (KM) SE of Mean (KM) k star (KM) nu star (KM) percentile (KM) percentile (KM) percentile (KM) se Value (3.64, β) use when n<50) Test % Significance L st % Significance L sean in Log Scale se Bootstrap UCL Bootstrap t UCL | | | | |

| | Α | В | С | D | Е | F | G | Н | I | J | K | L | |
|-----|------------|--|-----------------|---------------|----------------|-----------------|------------------------|---------------|----------------|---------------|-----------------|--------|--|
| 101 | | • | KM Standar | rd Error of M | ean (logged) | 0.393 | | • | • | - | | | |
| 102 | | | | | | | | | | | | | |
| 103 | | | | | | DL/2 S | tatistics | | | | | | |
| 104 | | | | | | | | | | | | | |
| 105 | | | | Mean in C | riginal Scale | | Mean in Log Scale 7.87 | | | | | | |
| 106 | | | | SD in C | riginal Scale | 7322245 | | | | SD | in Log Scale | 2.527 | |
| 107 | | 95% t UCL (Assumes normality) 3225732 95% H-Stat UCL | | | | | | | | | | 406646 | |
| 108 | | | DL/2 i | is not a reco | mmended m | ethod, provi | ded for com | parisons an | d historical r | easons | | 11 | |
| 109 | | | | | | | | | | | | | |
| 110 | | | | | Nonparam | etric Distribu | tion Free U | CL Statistics | 3 | | | | |
| 111 | | | | Detected | l Data appea | ır Gamma Di | stributed at | 5% Signific | ance Level | | | | |
| 112 | | | | | | | | | | | | | |
| 113 | | | | | | Suggested | UCL to Use | | | | | | |
| 114 | Adjusted K | M-UCL (use | when k<=1 a | and 15 < n < | 50 but k<=1) | 8550284 | | | | | | | |
| 115 | | | | | | | | | | | | | |
| 116 | | Note: Sugge | estions regard | ling the sele | ction of a 95% | 6 UCL are pr | ovided to he | lp the user t | o select the n | nost appropri | ate 95% UCI | | |
| 117 | | | F | Recommenda | ations are ba | sed upon da | ta size, data | distribution, | and skewnes | SS. | | | |
| 118 | | These reco | mmendations | s are based i | upon the resu | ults of the sin | nulation stud | ies summar | zed in Singh | Maichle, and | d Lee (2006). | | |
| 119 | Но | wever, simu | ulations result | s will not co | ver all Real V | Vorld data se | ts; for addition | onal insight | the user may | want to cons | ult a statistic | ian. | |
| | | | | | | | | | | | | | |

| | Α | В | С | D | Е | F | G | Н | I | J | K | L |
|----|-------------|--------------|--------------|-----------------|-------------|---------------|----------------|---------------|--------------|-------------------|----------------|-------|
| 1 | | | | | UCL Statis | tics for Data | Sets with N | on-Detects | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | cted Options | | | | | | | | | |
| 4 | Dat | te/Time of C | omputation | ProUCL 5.18 | /7/2021 10: | 38:36 AM | | | | | | |
| 5 | | | From File | Soil Vapor TO | CNW.xls | | | | | | | |
| 6 | | Fu | II Precision | OFF | | | | | | | | |
| 7 | | Confidence | Coefficient | 95% | | | | | | | | |
| 8 | Number o | of Bootstrap | Operations | 2000 | | | | | | | | |
| 9 | | | | | | | | | | | | |
| 10 | Isopropylbe | enzene | | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | General | Statistics | | | | | |
| 13 | | | Total | Number of Ob | oservations | 40 | | | Numbe | of Distinct C | Observations | 4 |
| 14 | | | | | of Detects | 3 | | | | Number of | Non-Detects | 37 |
| 15 | | | Νι | umber of Distir | nct Detects | 3 | | | Numbe | er of Distinct | Non-Detects | 1 |
| 16 | | | | | num Detect | | | | | | Non-Detect | 8 |
| 17 | | | | Maxim | num Detect | 4290 | | | | Maximum | Non-Detect | 8 |
| 18 | | | | | ice Detects | | | | | Percent | Non-Detects | 92.5% |
| 19 | | | | Me | an Detects | 2279 | | | | | SD Detects | 2124 |
| 20 | | | | | ian Detects | | | | | | CV Detects | 0.932 |
| 21 | | | | | ess Detects | -0.443 | | | | | tosis Detects | N/A |
| 22 | | | | Mean of Logg | ed Detects | 6.742 | | | | SD of Log | ged Detects | 2.353 |
| 23 | | | | | | | | | | | | |
| 24 | | | | | | | only 3 Detec | | | | | |
| 25 | | | TI | his is not enou | ugh to comp | oute meanin | gful or reliab | le statistics | and estimate | es. | | |
| 26 | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | |
| 28 | | | | | | | t on Detects | Only | | | | |
| 29 | | | | hapiro Wilk Te | | | _ | | • | lk GOF Test | | |
| 30 | | | 5% SI | hapiro Wilk Cr | | 0.767 | De | etected Data | | | gnificance Lev | /el |
| 31 | | | | Lilliefors Te | | 0.206 | | | | GOF Test | | |
| 32 | | | 5' | % Lilliefors Cr | | 0.425 | | | • • | nal at 5% Sig | gnificance Lev | /el |
| 33 | | | | Dete | ected Data | appear Norn | nal at 5% Sig | inificance Le | evel | | | |
| 34 | | | | | | | | | | | | |
| 35 | | | Kaplan-l | Meier (KM) St | | | ritical Value | s and other | • | | | |
| 36 | | | | | KM Mean | | | | KN | | rror of Mean | 147.9 |
| 37 | | | | | KM SD | 763.8 | | | | | (BCA) UCL | N/A |
| 38 | | | | | KM (t) UCL | | | | , | | otstrap) UCL | N/A |
| 39 | | | - | | (M (z) UCL | 421.6 | | | | | otstrap t UCL | N/A |
| 40 | | | | 00% KM Cheb | * | | | | | | byshev UCL | 823.1 |
| 41 | | | 97 | .5% KM Cheb | ysnev UCL | 1102 | | | | 99% KM Che | byshev UCL | 1650 |
| 42 | | | | | | Tooks P | to etc. d Oli | .m.co.tl = | .h. | | | |
| 43 | | | | Ga | | | etected Obse | | ııy | | | |
| 44 | | | | | Not En | ougn Data to | Perform GC | ו חכו ו est | | | | |
| 45 | | | | | 0 | Otal-4 | Detail 15 | ata O-1 | | | | |
| 46 | | | | | | | Detected D | ata Uniy | | - . / l- : | | NI/A |
| 47 | | | | | (hat (MLE) | | | | | • | rected MLE) | N/A |
| 48 | | | | | hat (MLE) | | | | I neta : | | rected MLE) | N/A |
| 49 | | | | | u hat (MLE) | | | | | nu star (bia | as corrected) | N/A |
| 50 | | | | Mea | n (detects) | 2279 | | | | | | |

| | Α | В | С | | D | | Е | F | G | Н | | | J | | K | L |
|-----|----|-------------|--------------|---------|------------|-----------|-----------|----------------|-------------|--------------|---------|-----------|---------------|----------|----------|--------|
| 51 | | | | | | | | | | | | | | | | |
| 52 | | | | | | | | Statistics u | | | | | | | | |
| 53 | | | | • | | | | set has > 50% | | • | | | • | | | |
| 54 | | GROS ma | • | | | | | small such a | | • | | | | (e.g., < | :15-20) | |
| 55 | | | | For s | uch situ | | | method may | | | | s and E | BTVs | | | |
| 56 | | | | | | | | ially true whe | | | | | | | | |
| 57 | | For ga | ımma distril | buted | detecte | | | and UCLs ma | y be compu | ited using g | gamma | distribu | ution on KM | estima | tes | |
| 58 | | | | | | N | /linimum | 0.01 | | | | | | | Mean | 170.9 |
| 59 | | | | | | M | aximum | 4290 | | | | | | ı | Median | 0.01 |
| 60 | | | | | | | SD | 775.2 | | | | | | | CV | 4.535 |
| 61 | | | | | | k ha | at (MLE) | 0.0922 | | | | | star (bias co | | , | 0.102 |
| 62 | | | | | Tł | neta ha | at (MLE) | 1854 | | | | Theta | star (bias co | orrecte | d MLE) | 1676 |
| 63 | | | | | | | at (MLE) | | | | | | nu star (b | ias cor | rected) | 8.157 |
| 64 | | | Adjust | ted Le | evel of S | Significa | ance (β) | 0.044 | | | | | | | | |
| 65 | | Α | pproximate | Chi | Square \ | Value (| (8.16, α) | 2.826 | | | Adj | justed (| Chi Square V | /alue (8 | 3.16, β) | 2.71 |
| 66 | | 95% Gamm | a Approxim | nate l | JCL (use | e when | n>=50) | 493.3 | | 95% | Gamma | a Adjus | ted UCL (us | e wher | n <50) | N/A |
| 67 | | | | | | | | • | | | | | | | | |
| 68 | | | | | l | Estima | ites of C | amma Para | meters usin | g KM Estir | nates | | | | | |
| 69 | | | | | | Me | an (KM) | 178.3 | | | | | | S | D (KM) | 763.8 |
| 70 | | | | | , | Varian | ce (KM) | 583446 | | | | | SE | of Mea | ın (KM) | 147.9 |
| 71 | | | | | | k h | nat (KM) | 0.0545 | | | | | | k sta | ar (KM) | 0.0671 |
| 72 | | | | | | nu h | nat (KM) | 4.36 | | | | | | nu sta | ar (KM) | 5.367 |
| 73 | | | | | | theta h | nat (KM) | 3272 | | | | | th | heta sta | ar (KM) | 2658 |
| 74 | | | 8 | 80% g | jamma p | ercent | ile (KM) | 57.71 | | | | 90 | % gamma pe | ercentil | le (KM) | 371.7 |
| 75 | | | 9 | 5% g | jamma p | ercent | ile (KM) | 1020 | | | | 99 | % gamma pe | ercentil | le (KM) | 3426 |
| 76 | | | | | | | | | | | | | | | | |
| 77 | | | | | | | Gamn | na Kaplan-M | eier (KM) S | tatistics | | | | | | |
| 78 | | Α | pproximate | Chi | Square \ | Value (| 5.37, α) | 1.325 | | | Adj | justed (| Chi Square V | /alue (5 | 5.37, β) | 1.253 |
| 79 | 95 | 5% Gamma Ap | proximate | KM-l | JCL (use | when | n>=50) | 722.1 | | 95% Gam | nma Ad | ljusted | KM-UCL (us | e wher | n <50) | 764.1 |
| 80 | | | | | 95% | Gamm | a Adjus | ted KM-UCL | (use when l | <=1 and 1 | 5 < n < | 50) | | | | |
| 81 | | | | | | | | | | | | | | | | |
| 82 | | | | | | Logno | rmal G0 | OF Test on D | etected Ob | servations | Only | | | | | |
| 83 | | | | Sha | piro Will | k Test | Statistic | 0.843 | | | Sha | apiro W | ilk GOF Tes | st | | |
| 84 | | | 5% | Sha | piro Wilk | Critica | al Value | 0.767 | De | tected Data | appea | ar Logn | ormal at 5% | Signific | cance L | evel |
| 85 | | | | | Lilliefors | s Test | Statistic | 0.343 | | | L | illiefors | GOF Test | | | |
| 86 | | | | 5% | Lilliefors | Critica | al Value | 0.425 | De | tected Data | appea | ar Logn | ormal at 5% | Signific | cance L | evel |
| 87 | | | | | De | tected | Data a | ppear Logno | rmal at 5% | Significand | ce Leve | el | | | | |
| 88 | | | | | | | | | | | | | | | | |
| 89 | | | | | l | Lognor | mal RC | S Statistics | Using Impu | ted Non-De | etects | | | | | |
| 90 | | | | | Mean in | - | | | | | | | Mear | າ in Loç | g Scale | -8.029 |
| 91 | | | | | SD in | Origina | al Scale | 775.1 | | | | | SE |) in Loç | g Scale | 7.748 |
| 92 | | 95% t | UCL (assu | mes i | normality | y of RC |)S data) | 377.9 | | | | 95% | Percentile B | Sootstra | ap UCL | 387.3 |
| 93 | | | | 95 | % BCA I | Bootstr | ap UCL | 512.8 | | | | | 95% Bo | otstrap | t UCL | 14775 |
| 94 | | | | 9 | 5% H-U | CL (Lo | g ROS) | 4.332E+16 | | | | | | | | |
| 95 | | | | | | | | 1 | .u | | | | | | | |
| 96 | | | Sta | atistic | s using | KM es | stimates | on Logged | Data and As | ssuming Lo | gnorm | al Disti | ribution | | | |
| 97 | | | | | KM | Mean (| (logged) | 2.429 | | | | | ŀ | KM Ged | o Mean | 11.35 |
| 98 | | | | | K | M SD (| (logged) | 1.336 | | | | 95% | Critical H Va | alue (K | M-Log) | 2.827 |
| 99 | | | KM Stan | dard | Error of | Mean (| (logged) | 0.259 | | | | | 95% H-U | CL (KI | И -Log) | 50.74 |
| 100 | | | | | K | M SD (| (logged) | 1.336 | | | | 95% | Critical H Va | alue (K | M-Log) | 2.827 |
| 100 | | | | | | | | 1 | 1 | | | | | | ٠, | |

| | Α | В | С | D | Е | F | G | Н | I | J | K | L |
|-----|----|-------------|-----------------|----------------|---------------|-----------------|------------------|----------------|-----------------|-------------|--------------------|-------|
| 101 | | | KM Standar | d Error of M | ean (logged) | 0.259 | | | | | | |
| 102 | | | | | | | | | | | · | |
| 103 | | | | | | DL/2 S | tatistics | | | | | |
| 104 | | | DL/2 N | Normal | | | | | DL/2 Log-1 | Transformed | t | |
| 105 | | | | Mean in O | riginal Scale | 174.6 | | | | Mear | n in Log Scale | 1.788 |
| 106 | | | | SD in O | riginal Scale | 774.4 | | | | SE | in Log Scale | 1.525 |
| 107 | | | 95% t L | JCL (Assume | es normality) | 380.9 | | | | 959 | % H-Stat UCL | 40.6 |
| 108 | | | DL/2 i | s not a reco | mmended m | ethod, provi | ded for com | parisons an | d historical re | easons | | |
| 109 | | | | | | | | | | | | |
| 110 | | | | | Nonparame | etric Distribu | tion Free U | CL Statistics | 3 | | | |
| 111 | | | | Detected | l Data appea | r Normal Di | stributed at | 5% Significa | nce Level | | | |
| 112 | | | | | | | | | | | | |
| 113 | | | | | | | UCL to Use |) | | | | |
| 114 | | | | 95% | KM (t) UCL | 427.5 | | | | | | |
| 115 | | | | | | | | | | | | |
| 116 | 1 | Note: Sugge | estions regard | ing the selec | tion of a 95% | 6 UCL are pr | ovided to he | lp the user t | select the n | nost approp | riate 95% UCL. | |
| 117 | | | R | Recommenda | tions are bas | sed upon da | ta size, data | distribution, | and skewnes | SS. | | |
| 118 | | These reco | ommendations | are based u | ipon the resu | ilts of the sin | nulation stud | ies summari | zed in Singh, | Maichle, ar | nd Lee (2006). | |
| 119 | Но | wever, sim | ulations result | s will not cov | er all Real W | orld data se | ts; for addition | onal insight t | he user may | want to con | sult a statisticia | an. |
| 120 | | | | | | | | | | | | |

| | Α | В | С | D | Е | F | G | Н | I | J | K | L |
|----------|----------|--------------|--------------|----------------|----------------|---------------|---------------|---|--------------|-----------------|---------------|----------|
| 1 | | | | | UCL Statist | tics for Data | Sets with N | on-Detects | | | | |
| 2 | | | | T. | | | | | | | | |
| 3 | | | cted Options | | | | | | | | | |
| 4 | Dat | te/Time of C | | ProUCL 5.18 | | 34:14 AM | | | | | | |
| 5 | | | From File | Metals in So | il TCNW.xls | | | | | | | |
| 6 | | | Il Precision | OFF | | | | | | | | |
| 7 | | Confidence | | 95% | | | | | | | | |
| 8 | Number o | of Bootstrap | Operations | 2000 | | | | | | | | |
| 9 | Dh | | | | | | | | | | | |
| 10 | Pb | | | | | | | | | | | |
| 11 | | | | | | General | Statistics | | | | | |
| 12 | | | Total | Number of O | hservations | 57 | Statistics | | Numhe | r of Distinct (| Observations | 12 |
| 13 | | | Total | | r of Detects | 13 | | | Numbe | | Non-Detects | 44 |
| 14 | | | Nı | umber of Dist | | 11 | | | Numbe | | Non-Detects | 1 |
| 15 | | | | | mum Detect | 7.2 | | | Numbe | | Non-Detect | 7.1 |
| 16 | | | | | num Detect | 61 | | | | | Non-Detect | 7.1 |
| 17 | | | | | nce Detects | 292.9 | | | | | Non-Detects | 77.19% |
| 18 | | | | | ean Detects | 25.94 | | | | | SD Detects | 17.12 |
| 19 20 | | | | Med | lian Detects | 19 | | | | | CV Detects | 0.66 |
| 21 | | | | Skewn | ess Detects | 1.22 | | | | Kurt | tosis Detects | 0.473 |
| 22 | | | | Mean of Log | ged Detects | 3.071 | | | | SD of Log | ged Detects | 0.628 |
| 23 | | | | | | | | | | | | |
| 24 | | | | | Norm | al GOF Tes | t on Detects | Only | | | | |
| 25 | | | S | hapiro Wilk T | est Statistic | 0.845 | | | Shapiro Wi | lk GOF Test | : | |
| 26 | | | 5% SI | napiro Wilk C | ritical Value | 0.866 | Ι | Detected Da | ta Not Norma | al at 5% Sign | ificance Leve | ı |
| 27 | | | | Lilliefors T | est Statistic | 0.245 | | | Lilliefors | GOF Test | | |
| 28 | | | 5 | % Lilliefors C | ritical Value | 0.234 |] | Detected Da | ta Not Norma | al at 5% Sign | ificance Leve | I |
| 29 | | | | D | etected Data | Not Norma | l at 5% Sign | ificance Lev | 'el | | | |
| 30 | | | | | | | | | | | | |
| 31 | | | Kaplan-l | Meier (KM) S | tatistics usir | ng Normal C | ritical Value | s and other | Nonparame | ric UCLs | | |
| 32 | | | | | KM Mean | 11.4 | | | KN | /I Standard E | rror of Mean | 1.536 |
| 33 | | | | | KM SD | 11.14 | | | | | (BCA) UCL | 14.12 |
| 34 | | | | | KM (t) UCL | 13.97 | | | ` | | otstrap) UCL | 13.97 |
| 35 | | | | | KM (z) UCL | 13.92 | | | | | otstrap t UCL | 15.38 |
| 36 | | | | 00% KM Cheb | - | 16 | | | | | byshev UCL | 18.09 |
| 37 | | | 97 | .5% KM Chet | yshev UCL | 20.99 | | | | 99% KM Che | byshev UCL | 26.68 |
| 38 | | | | | | | | | | | | |
| 39 | | | | | amma GOF | | etected Obse | | | | | |
| 40 | | | | | est Statistic | 0.385 | 5 | | | rling GOF Te | | |
| 41 | | | | | ritical Value | 0.74 | Detected | • | | | 5% Significan | ce Level |
| 42 | | | | | est Statistic | 0.164 | Datasta | | | Smirnov GO | | |
| 43 | | | | | ritical Value | 0.238 | | | | surputed at 5 | 5% Significan | je Level |
| 44 | | | | Detected | data appear | Gainina Di | Sulputed at t | on Significa | IICE LEVEI | | | |
| 45 | | | | | Gammo | Statistics of | Detected D | lata Only | | | | |
| 46 | | | | | k hat (MLE) | 2.869 | Detected D | rata Offiy | L. | star (hias co | rected MLE) | 2.258 |
| 47 | | | | | a hat (MLE) | 9.041 | | | | , | rected MLE) | 11.49 |
| 48 | | | | | u hat (MLE) | 74.59 | | | ineta | • | as corrected) | 58.71 |
| 49 | | | | | an (detects) | 25.94 | | | | ווע אנמו (טומ | ao con ecteu) | |
| 50 | | | | IVIE | un (uelecis) | 2J.J4 | | | | | | |

| | Α | В | С | | D | | E | F | G | Н | | I | J | | K | | L |
|-----|-----|-------------|---------------|----------|-----------------|---------|--------------------|--------------------|--------------|--------------|--------|------------|--------------|-------------|----------------------|-------|-------|
| 51 | | | | | | | | | | | | | | | | | |
| 52 | | | | | | | | S Statistics u | | | | | | | | | |
| 53 | | | - | | | | | set has > 50% | | • | | | | | | | |
| 54 | | GROS ma | y not be used | | | | | | | - | | | | all (e. | .g., <15 | -20) | |
| 55 | | | Fo | or sucl | | | | method may | | | | | BTVs | | | | |
| 56 | | | | | | | - | ially true who | | | | | | | | | |
| 57 | | For ga | mma distribu | ted de | etected | | | | ay be comp | outed using | gamr | na distrib | ution on K | (M es | | | |
| 58 | | | | | | | inimum | | | | | | | | | /lean | 6.014 |
| 59 | | | | | | Ma | aximum | - | | | | | | | Me | dian | 0.01 |
| 60 | | | | | | | SD | | | | | | | | | CV | 2.246 |
| 61 | | | | | | | t (MLE) | | | | | | star (bias | | | , | 0.173 |
| 62 | | | | | | | t (MLE) | | | | | Theta | a star (bias | | | , | 34.71 |
| 63 | | | | | | | t (MLE) | | | | | | nu star | r (bias | s correc | :ted) | 19.75 |
| 64 | | | Adjusted | | | | | | | | | | | | | | |
| 65 | | - | proximate Ch | - | | - | | | | | | - | hi Square | | - | | 10.49 |
| 66 | | 95% Gamm | a Approximat | te UCI | L (use \ | when | n>=50) | 11.13 | | 95% | Gam | nma Adjus | sted UCL | (use \ | when n | <50) | 11.32 |
| 67 | | | | | | | | | | | | | | | | | |
| 68 | | | | | E | | | Samma Para | meters usi | ing KM Est | imate | es | | | | | |
| 69 | | | | | | | an (KM) | | | | | | | <u> </u> | SD (| ` ′ | 11.14 |
| 70 | | | | | Va | | ce (KM) | | | | | | | | Mean (| ` ′ | 1.536 |
| 71 | | | | | | | at (KM) | | | | | | | | k star (| | 1.003 |
| 72 | | | | | ., | | at (KM) | | | | | | | | nu star (| ` ′ | 114.3 |
| 73 | | | 200 | ., | | | at (KM) | | | | | | 201 | | ta star (| ` ′ | 11.37 |
| 74 | | | | | | | le (KM) | | | | | |)% gamma | | • | | 26.22 |
| 75 | | | 959 | % gam | ıma pe | rcenti | le (KM) | 34.11 | | | | 99 | 9% gamma | a pero | centile (| KIVI) | 52.41 |
| 76 | | | | | | | | | -i (IZM) | Otalala | | | | | | | |
| 77 | | A | i | 0 | \ / - 1 | - /11 | | na Kaplan-M | eler (KM) | Statistics | Λ -1: | : Ol- | : 0 1 | <i>(</i> =1 | /114 | 2 0 | |
| 78 | 0.0 | | roximate Chi | | | • | | | | 050/ 0- | | | i Square \ | | , | | 90.09 |
| 79 | 90 | 5% Gamma Ap | proximate Ki | VI-UCI | L (use \ | wnen | n>=50) | 14.37 | | 95% Ga | mma | Adjusted | KM-UCL | (use \ | wnen n | <5U) | 14.46 |
| 80 | | | | | 1. | | | OF Toot on F | hatastad O | haamratian | - Onl | | | | | | |
| 81 | | | | honir | | | Statistic | OF Test on E | Petected O | bservation | | | WILL COE | Took | | | |
| 82 | | | | | | | al Value | | | etected Da | | | Vilk GOF | | anificar | | |
| 83 | | | 5% 5 | | | | Statistic | | U | | ta app | | s GOF Te | | griilicai | ice L | evei |
| 84 | | | E | | | | al Value | | D | etected Da | to one | | | | ianificar | 200 | |
| 85 | | | | 70 LIII | | | | ppear Logno | | | | | iorriai at c |)% SI | griilicai | ice L | evei |
| 86 | | | | | Dete | ecteu | Data a | ppear Logric | illiai at 5% | o Significat | ice Le | evei | | | | | |
| 87 | | | | | l a | anor | mal BC | S Statistics | l loina Imn | utad Nan F |)otool | ha . | | | | | |
| 88 | | | | Ma | | | | | Using imp | utea Mon-L | Jelec | | NA | oon is | n l og S | oolo | 1.135 |
| 89 | | | | | | | al Scale | | | | | | | | n Log S n Log S | | 1.135 |
| 90 | | QE0/ + | UCL (assume | | | | | | | | | 050/ | Percentil | | • | | 1.442 |
| 91 | | 95% t | • | | | | | | | | | 95% | | | | | |
| 92 | | | | | | | ap UCL g ROS) | | | | | | 95% | DUOT | tstrap t l | UCL | 12.33 |
| 93 | | | | 90% | ₀ ⊓ - ∪∪ | ,r (ro | 9 KO9) | 15.75 | | | | | | | | | |
| 94 | | | Ctati | otice : | ieina ! | /M aa- | timotor | on Logged | Data and 1 | \ooumiss 1 | oarc | rmel Dist | ribution | | | | |
| 95 | | | Statis | อนเวริ โ | | | | on Logged 2.214 | vala and A | -ssuriing L | .ogno | ınıdı DIST | แบบแบก | L/ N A | 1 Geo M | 1000 | 9.148 |
| 96 | | | | | | - | logged) logged) | | | | | OE0/ | Critical H | | | | 1.919 |
| 97 | | | KM Standa | rd Er- | | | | | | | | 95% | | | le (KM-I L (KM -I | • | 12.24 |
| 98 | | | KIVI Standa | iu Eff | | - | loggea) logged) | | | | | OE0/ | | | • | ٠, | |
| 99 | | | / N C+ | rd F: | | | : | | - | | | 95% | Critical H | valu | ie (KIVI-I | ∟og) | 1.919 |
| 100 | | | KM Standa | iu Err | UI OT IVI | iean (I | oygea) | 0.0756 | | | | | | | | | |

| | Α | В | С | D | Е | F | G | Н | I | J | K | L | | | |
|-----|----|---|----------------|---------------|----------------|----------------|------------------|----------------|-----------------|----------------|------------------|-------|--|--|--|
| 101 | | | | | | | | | | | | | | | |
| 102 | | | | | | DL/2 S | tatistics | | | | | | | | |
| 103 | | | DL/2 I | Normal | | | | | DL/2 Log-1 | ransformed | | | | | |
| 104 | | | | Mean in C | riginal Scale | 8.656 | | | | Mean | in Log Scale | 1.678 | | | |
| 105 | | | | SD in C | riginal Scale | 12.35 | | | | SDi | in Log Scale | 0.817 | | | |
| 106 | | | 95% t l | JCL (Assum | es normality) | 11.39 | | | | 95% | H-Stat UCL | 9.455 | | | |
| 107 | | | DL/2 | s not a reco | mmended m | ethod, provi | ded for com | parisons and | d historical re | easons | | | | | |
| 108 | | DL/2 is not a recommended method, provided for comparisons and historical reasons | | | | | | | | | | | | | |
| 109 | | Nonparametric Distribution Free UCL Statistics | | | | | | | | | | | | | |
| 110 | | | | Detected | d Data appea | r Gamma Di | stributed at | 5% Significa | ance Level | | | | | | |
| 111 | | | | | | | | | | | | | | | |
| 112 | | | | | | Suggested | UCL to Use | | | | | | | | |
| 113 | | | 95% KM A | pproximate | Gamma UCL | 14.37 | | 9 | 5% GROS A | pproximate C | Gamma UCL | 11.13 | | | |
| 114 | | | | | | | | | | | | | | | |
| 115 | l | Note: Sugge | stions regard | ing the sele | ction of a 95% | UCL are pr | ovided to he | lp the user to | select the m | nost appropria | ate 95% UCL | | | | |
| 116 | | | F | Recommend | ations are bas | sed upon dat | a size, data | distribution, | and skewnes | SS. | | | | | |
| 117 | | These reco | mmendations | are based | upon the resu | Its of the sim | nulation stud | ies summari | zed in Singh, | Maichle, and | d Lee (2006). | | | | |
| 118 | Но | wever, simu | lations result | s will not co | ver all Real W | orld data se | ts; for addition | onal insight t | he user may | want to cons | ult a statistici | an. | | | |
| 119 | | | | | | | | | | | | | | | |

| | Α | В | С | D | Е | F | G | Н | ļ | J | K | L |
|----|------------|--------------|--------------|----------------------|---------------|---------------|----------------|---------------|--------------|--------------------------|----------------|------------|
| 1 | | | | | UCL Statis | tics for Data | Sets with N | on-Detects | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | cted Options | | | | | | | | | |
| 4 | Dat | e/Time of C | | ProUCL 5.18 | | 45:00 AM | | | | | | |
| 5 | | | From File | Soil Vapor To | CNW.xls | | | | | | | |
| 6 | | | II Precision | OFF | | | | | | | | |
| 7 | | Confidence | | 95% | | | | | | | | |
| 8 | Number c | of Bootstrap | Operations | 2000 | | | | | | | | |
| 9 | | | | | | | | | | | | |
| 10 | m,p-Xylene | S | | | | | | | | | | |
| 11 | | | | | | Comerci | Ctatiatias | | | | | |
| 12 | | | Total | Number of Ob | haantatiana | | Statistics | | Numba | of Diatinat C | Observations | 4 |
| 13 | | | l Olai | | r of Detects | 3 | | | Numbe | | Non-Detects | 37 |
| 14 | | | Ni | umber of Disti | | _ | | | Numbe | | Non-Detects | 1 |
| 15 | | | INI | | num Detect | | | | Numbe | | Non-Detect | 16 |
| 16 | | | | | num Detect | | | | | | Non-Detect | 16 |
| 17 | | | | | nce Detects | | | | | | Non-Detects | 92.5% |
| 18 | | | | | ean Detects | | | | | 1 Groom | SD Detects | 726.2 |
| 19 | | | | | ian Detects | | | | | | CV Detects | 0.776 |
| 20 | | | | | ess Detects | | | | | Kurt | osis Detects | N/A |
| 22 | | | | Mean of Logg | | | | | | | ged Detects | 0.898 |
| 23 | | | | | | | | | | | ,,, | |
| 24 | | | | | Warning: D | ata set has | only 3 Detec | ted Values. | | | | |
| 25 | | | TI | his is not eno | ugh to com | pute meanin | gful or reliab | le statistics | and estimate | es. | | |
| 26 | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | |
| 28 | | | | | | | t on Detects | Only | | | | |
| 29 | | | | hapiro Wilk Te | | | | | | lk GOF Test | | |
| 30 | | | 5% SI | hapiro Wilk Cr | ritical Value | 0.767 | De | etected Data | | | gnificance Lev | /el |
| 31 | | | | | est Statistic | 0.241 | | | | GOF Test | | |
| 32 | | | 5 | % Lilliefors Cr | | | | | | nal at 5% Sig | gnificance Lev | /el |
| 33 | | | | Dete | ected Data | appear Norn | nal at 5% Sig | gnificance Le | evel | | | |
| 34 | | | | | | | | | | | | |
| 35 | | | Kaplan- | Meier (KM) St | | | critical Value | s and other | • | | | |
| 36 | | | | | KM Mean | | | | KI | | rror of Mean | 56.46 |
| 37 | | | | 0507 | KM SD | | | | 050/ 1/14/5 | | 1 (BCA) UCL | N/A |
| 38 | | | | | KM (t) UCL | | | | , | ercentile Bo | • / | N/A |
| 39 | | | | 95% r 90% KM Cheb | KM (z) UCL | | | | | 95% KM Boo 95% KM Che | · | N/A 331 |
| 40 | | | | .5% KM Cheb | • | 437.5 | | | | 95% KM Che | - | 646.7 |
| 41 | | | 37 | .c /o INIVI CITED | yonev OCL | 707.0 | | | • | 70 AIVI GIR | Dydilev OCL | UTU. / |
| 42 | | | | G | amma GOF | Tests on De | etected Obse | ervations On | ılv | | | |
| 43 | | | | | | | Perform GO | | | | | |
| 44 | | | | | HOLEIN | | J.IJIIII GC | | | | | |
| 45 | | | | | Gamma | Statistics or | Detected D | ata Only | | | | |
| 46 | | | | ŀ | k hat (MLE) | | | | k : | star (bias cor | rected MLE) | N/A |
| 47 | | | | | a hat (MLE) | | | | | star (bias cor | * | N/A |
| 49 | | | | | u hat (MLE) | | | | | | as corrected) | N/A |
| 50 | | | | | an (detects) | | | | | , - | , | |
| อบ | | | | | ,/ | | | | | | | |

| | Α | В | С | | D | | Е | F | G | Н | | ı | J | | K | L |
|-----|----|-------------|-------------|---------|------------|-----------|-----------|----------------|-------------|--------------|---------|------------|---------------|----------|----------|--------|
| 51 | | | | | | | | | | | | | | | | |
| 52 | | | | | | | | S Statistics u | | | | | | | | |
| 53 | | | | • | | | | set has > 50% | | • | | | • | | | |
| 54 | | GROS ma | • | | | | | small such a | • | • | | | | (e.g., < | (15-20) | |
| 55 | | | | For s | uch situ | | | method may | | | | Ls and E | BTVs | | | |
| 56 | | | | | | | | ially true whe | | | | | | | | |
| 57 | | For ga | mma distril | buted | detecte | | | and UCLs ma | y be comp | uted using (| gamma | a distrib | ution on KM | estima | tes | |
| 58 | | | | | | N | /linimum | 0.01 | | | | | | | Mean | 70.16 |
| 59 | | | | | | M | laximum | _ | | | | | | l | Median | 0.01 |
| 60 | | | | | | | SD | | | | | | | | CV | 4.259 |
| 61 | | | | | | | at (MLE) | | | | | | star (bias co | | , | 0.11 |
| 62 | | | | | Tł | neta ha | at (MLE) | 693.5 | | | | Theta | star (bias co | orrecte | d MLE) | 636.4 |
| 63 | | | | | | nu ha | at (MLE) | 8.093 | | | | | nu star (b | ias cor | rected) | 8.82 |
| 64 | | | Adjust | ted Le | evel of S | Significa | ance (β) | 0.044 | | | | | | | | |
| 65 | | Α | pproximate | Chi | Square \ | Value (| (8.82, α) | 3.218 | | | Ac | djusted (| Chi Square V | alue (8 | 3.82, β) | 3.092 |
| 66 | | 95% Gamm | a Approxim | nate l | JCL (use | e when | n>=50) | 192.3 | | 95% | Gamn | na Adjus | sted UCL (us | e wher | n <50) | N/A |
| 67 | | | | | | | | 1 | 1 | | | | | | | |
| 68 | | | | | l | Estima | ites of C | amma Para | meters usir | ng KM Estir | mates | | | | | |
| 69 | | | | | | Me | an (KM) | 84.95 | | | | | | S | D (KM) | 291.5 |
| 70 | | | | | , | Varian | ice (KM) | 85000 | | | | | SE | of Mea | n (KM) | 56.46 |
| 71 | | | | | | k h | nat (KM) | 0.0849 | | | | | | k sta | ar (KM) | 0.0952 |
| 72 | | | | | | nu h | nat (KM) | 6.792 | | | | | | nu sta | ar (KM) | 7.616 |
| 73 | | | | | | theta h | nat (KM) | 1001 | | | | | th | neta sta | ar (KM) | 892.3 |
| 74 | | | 8 | 80% g | jamma p | ercent | ile (KM) | 54.75 | | | | 90 | % gamma pe | ercenti | le (KM) | 221.3 |
| 75 | | | 9 | 5% g | jamma p | ercent | ile (KM) | 494.2 | | | | 99 | % gamma pe | ercenti | le (KM) | 1383 |
| 76 | | | | | | | | | 1 | | | | | | | |
| 77 | | | | | | | Gamn | na Kaplan-M | eier (KM) S | Statistics | | | | | | |
| 78 | | Α | pproximate | Chi | Square \ | Value (| (7.62, α) | 2.515 | | | Ac | djusted (| Chi Square V | alue (7 | 7.62, β) | 2.406 |
| 79 | 95 | 5% Gamma Ap | proximate | KM-l | JCL (use | when | n>=50) | 257.3 | | 95% Gan | nma A | djusted | KM-UCL (us | e wher | n <50) | 268.9 |
| 80 | | | | | 95% | Gamm | a Adjus | ted KM-UCL | (use when | k<=1 and 1 | 5 < n < | < 50) | | | | - |
| 81 | | | | | | | | | | | | | | | | |
| 82 | | | | | | Logno | rmal G0 | OF Test on D | etected Ob | servations | Only | | | | | |
| 83 | | | | Sha | piro Will | k Test | Statistic | 0.993 | | | Sh | apiro W | ilk GOF Tes | st | | |
| 84 | | | 5% | Sha | piro Wilk | Critica | al Value | 0.767 | De | etected Data | а арре | ar Logn | ormal at 5% | Signifi | cance L | evel |
| 85 | | | | | Lilliefors | s Test | Statistic | 0.205 | | | | Lilliefors | GOF Test | | | |
| 86 | | | | 5% | Lilliefors | Critica | al Value | 0.425 | De | etected Data | а арре | ar Logn | ormal at 5% | Signifi | cance L | evel |
| 87 | | | | | De | tected | Data a | ppear Logno | rmal at 5% | Significand | ce Lev | rel | | | | |
| 88 | | | | | | | | | | | | | | | | |
| 89 | | | | | l | Lognor | mal RC | S Statistics | Using Impu | ited Non-D | etects | | | | | |
| 90 | | | | | Mean in | Origina | al Scale | 79.41 | | | | | Mear | n in Lo | g Scale | 0.195 |
| 91 | | | | | SD in | Origina | al Scale | 297.4 | | | | | SE |) in Lo | g Scale | 3.357 |
| 92 | | 95% t | UCL (assu | mes i | normality | y of RC |)S data) | 158.6 | | | | 95% | Percentile B | Sootstra | ap UCL | 162.9 |
| 93 | | | | 95 | % BCA I | Bootstr | rap UCL | 215.2 | | | | | 95% Bo | otstrap | t UCL | 523.3 |
| 94 | | | | 9 | 5% H-U | CL (Lo | g ROS) | 8101 | | | | | | | | |
| 95 | | | | | | <u> </u> | | | 1 | | | | | | | |
| 96 | | | Sta | atistic | s using | KM es | stimates | on Logged | Data and A | ssuming Lo | ognorn | nal Dist | ribution | | | |
| 97 | | | | | | | (logged) | | | | | | | (M Ge | o Mean | 21.32 |
| 98 | | | | | | | (logged) | | | | | 95% | Critical H Va | | | 2.44 |
| 99 | | | KM Stan | dard | | | | | | | | | 95% H-U | • | ٠, | 53.97 |
| | | | | | | | (logged) | | | | | 95% | Critical H Va | ` | | 2.44 |
| 100 | | | | | | \ | | 1 | | | | | | (. • | =>8) | |

| | Α | В | С | D | Е | F | G | Н | | J | K | L |
|-----|----|------------|-----------------|----------------|----------------|-----------------|------------------|----------------|-----------------|---------------|-------------------|-------|
| 101 | | | KM Standar | rd Error of M | ean (logged) | 0.199 | | | | | | |
| 102 | | | | | | | | | | | | |
| 103 | | | | | | DL/2 S | tatistics | | | | | |
| 104 | | | DL/2 N | Normal | | | | | DL/2 Log-1 | ransformed | | |
| 105 | | | | Mean in O | riginal Scale | 77.55 | | | | Mean | in Log Scale | 2.418 |
| 106 | | | | SD in O | riginal Scale | 297 | | | | SD | in Log Scale | 1.222 |
| 107 | | | 95% t L | JCL (Assume | es normality) | 156.7 | | | | 95% | H-Stat UCL | 40.03 |
| 108 | | | DL/2 i | s not a reco | mmended m | ethod, provi | ded for comp | parisons and | d historical re | easons | " | |
| 109 | | | | | | | | | | | | |
| 110 | | | | | Nonparame | etric Distribu | tion Free UC | CL Statistics | 1 | | | |
| 111 | | | | Detected | l Data appea | r Normal Di | stributed at 5 | 5% Significa | nce Level | | | |
| 112 | | | | | | | | | | | | |
| 113 | | | | | | Suggested | UCL to Use | | | | | |
| 114 | | | | 95% | KM (t) UCL | 180.1 | | | | | | |
| 115 | | | | | | | | | | | | |
| 116 | | Note: Sugg | estions regard | ing the selec | tion of a 95% | 6 UCL are pr | ovided to hel | lp the user to | select the n | nost appropri | ate 95% UCL | • |
| 117 | | | F | Recommenda | ations are bas | sed upon da | ta size, data | distribution, | and skewnes | SS. | | |
| 118 | | These reco | ommendations | are based u | ipon the resu | ilts of the sin | nulation studi | ies summari | zed in Singh, | Maichle, and | d Lee (2006). | |
| 119 | Но | wever, sim | ulations result | s will not cov | er all Real W | orld data se | ts; for addition | onal insight t | he user may | want to cons | ult a statisticia | an. |
| 120 | | | | | | | | | | | | |

| | Α | В | С | D | Е | F | G | Н | | J | K | L |
|----------|-------------|--------------|---------------|----------------|---------------|---------------|---------------|--------------|-------------|----------------------------------|----------------|----------|
| 1 | | | | | UCL Statis | tics for Data | Sets with N | lon-Detects | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | ected Options | | | | | | | | | |
| 4 | Dat | te/Time of C | | ProUCL 5.18 | | 39:27 AM | | | | | | |
| 5 | | | From File | Soil Vapor T | CNW.xls | | | | | | | |
| 6 | | | III Precision | OFF | | | | | | | | |
| 7 | | Confidence | | 95% | | | | | | | | |
| 8 | Number o | of Bootstrap | Operations | 2000 | | | | | | | | |
| 9 | Methylene o | abla vida | | | | | | | | | | |
| 10 | wearylene (| cilionae | | | | | | | | | | |
| 11 | | | | | | General | Statistics | | | | | |
| 12 | | | Total | Number of O | hservations | 40 | Statistics | | Numhe | r of Distinct (| Observations | 5 |
| 13 | | | Total | | r of Detects | 5 | | | Numbe | | Non-Detects | 35 |
| 14 | | | Nı | umber of Dist | | 5 | | | Numbe | | Non-Detects | 1 |
| 15 | | | | | mum Detect | 8 | | | - Trumbe | | Non-Detect | 8 |
| 16 | | | | | num Detect | 26 | | | | | Non-Detect | 8 |
| 17 | | | | | nce Detects | 57.5 | | | | | Non-Detects | 87.5% |
| 18 | | | | | ean Detects | 16 | | | | | SD Detects | 7.583 |
| 19 20 | | | | Med | lian Detects | 17 | | | | | CV Detects | 0.474 |
| 21 | | | | Skewn | ess Detects | 0.201 | | | | Kurt | tosis Detects | -1.666 |
| 22 | | | | Mean of Log | ged Detects | 2.673 | | | | SD of Log | ged Detects | 0.513 |
| 23 | | | | | | | | | | | | |
| 24 | | | | | Norm | al GOF Tes | t on Detects | Only | | | | |
| 25 | | | S | hapiro Wilk T | est Statistic | 0.929 | | | Shapiro Wi | ilk GOF Test | : | |
| 26 | | | 5% SI | napiro Wilk C | ritical Value | 0.762 | De | etected Data | appear Norr | mal at 5% Sig | gnificance Lev | /el |
| 27 | | | | Lilliefors T | est Statistic | 0.222 | | | Lilliefors | GOF Test | | |
| 28 | | | 5 | % Lilliefors C | ritical Value | 0.343 | De | etected Data | appear Norr | mal at 5% Sig | gnificance Lev | /el |
| 29 | | | | Det | ected Data | appear Norn | nal at 5% Sig | gnificance L | evel | | | |
| 30 | | | | | | | | | | | | |
| 31 | | | Kaplan-l | Meier (KM) S | tatistics usi | ng Normal C | ritical Value | s and other | Nonparame | tric UCLs | | |
| 32 | | | | | KM Mean | 9 | | | KN | VI Standard E | rror of Mean | 0.631 |
| 33 | | | | | KM SD | 3.571 | | | | | (BCA) UCL | 10.05 |
| 34 | | | | | KM (t) UCL | 10.06 | | | ` | Percentile Boo | ' ' | 10.03 |
| 35 | | | | | KM (z) UCL | 10.04 | | | | 95% KM Boo | · | 10.24 |
| 36 | | | | 00% KM Cheb | • | 10.89 | | | | | byshev UCL | 11.75 |
| 37 | | | 97 | .5% KM Cheb | yshev UCL | 12.94 | | | | 99% KM Che | byshev UCL | 15.28 |
| 38 | | | | | | | | | | | | |
| 39 | | | | | | | etected Obse | ervations Or | • | | | |
| 40 | | | | | est Statistic | 0.342 | 5 | | | rling GOF Te | | |
| 41 | | | | | ritical Value | 0.681 | Detected | | | | 5% Significan | ce Level |
| 42 | | | | | est Statistic | 0.251 | Datasta | | | -Smirnov GO | | !! |
| 43 | | | | | ritical Value | 0.358 | | | | istributed at 5 | 5% Significan | Je Level |
| 44 | | | | Detected | uata appeal | Gamma Di | suivuted at t | 5% Significa | IICE LEVEI | | | |
| 45 | | | | | Camma | Statistics of | Detected D | ata Only | | | | |
| 46 | | | | | k hat (MLE) | 5.169 | Detected D | ala Olliy | L. | star (hias cor | rected MLE) | 2.201 |
| 47 | | | | | a hat (MLE) | 3.096 | | | | star (bias cor star (bias cor | * | 7.27 |
| 48 | | | | | u hat (MLE) | 51.69 | | | i ileta | ` | as corrected) | 22.01 |
| 49 | | | | | an (detects) | 16 | | | | iiu stat (Dla | as contected) | |
| 50 | | | | ivie | an (uetects) | 10 | | | | | | |

| | Α | В | С | | D | | E | F | G | Н | | ı | J | K | | L |
|-----|-----|-------------|--------------|--------|---------|---------|----------------------|--------------------|---------------------------|----------------------|--------------|-----------|-----------------|--------------|----------|-----------|
| 51 | | | | | | | | | | | | | | | | |
| 52 | | | | | | | | S Statistics u | | | | | | | | |
| 53 | | | | - | | | | | | • | | | t multiple DLs | | | |
| 54 | | GROS ma | • | | | | | | | • | | | size is small (| e.g., <15-2 | 20) | |
| 55 | | | F | or su | | | | method may | | | | Ls and E | BTVs | | | |
| 56 | | | | | | | - | ially true who | | | | | | | | |
| 57 | | For ga | mma distrib | uted | detecte | | | | ay be comp | uted using (| gamm | a distrib | ution on KM e | | | |
| 58 | | | | | | | /linimum | | | | | | | | ean | 2.136 |
| 59 | | | | | | M | aximum | | | | | | | Med | | 0.01 |
| 60 | | | | | | | SD | | | | | | | | CV | 2.747 |
| 61 | | | | | | | at (MLE) | | | | | | star (bias co | | - 1 | 0.182 |
| 62 | | | | | Th | | at (MLE) | | | | | Theta | star (bias co | | | 11.72 |
| 63 | | | | | | | et (MLE) | | | | | | nu star (bi | as correct | ed) | 14.58 |
| 64 | | | | | | | ance (β) | | | | | | | | | |
| 65 | | - | proximate C | | | | • | | | | | | hi Square Va | | | 6.774 |
| 66 | | 95% Gamm | a Approxima | ate U | CL (use | when | n>=50) | 4.468 | | 95% | Gamr | na Adjus | sted UCL (use | e when n< | 50) | 4.598 |
| 67 | | | | | | | | | | | | | | | | |
| 68 | | | | | | | | Samma Para | meters usi | ng KM Esti | mates | ; | | | | |
| 69 | | | | | | | an (KM) | | | | | | | SD (K | | 3.571 |
| 70 | | | | | | | ce (KM) | | | | | | SE (| of Mean (K | | 0.631 |
| 71 | | | | | | | nat (KM) | | | | | | | k star (K | | 5.893 |
| 72 | | | | | | | nat (KM) | | | | | | | nu star (K | - 1 | 471.5 |
| 73 | | | | | | | nat (KM) | | | | | | | eta star (K | , | 1.527 |
| 74 | | | | | | | tile (KM) | | | | | | % gamma pe | | | 13.96 |
| 75 | | | 95 | o% ga | amma p | ercent | tile (KM) | 15.84 | | | | 99 | % gamma pe | ercentile (K | ·M) | 19.78 |
| 76 | | | | | | | | 17 1 1 | 1 - 1 /1/2 3 4) / | N | | | | | | |
| 77 | | | | . 0 | | /47 | | na Kaplan-M | eler (KM) : | Statistics | A 1: | | | /474 45 | <u> </u> | 400.4 |
| 78 | 0.5 | | roximate Ch | | | • | | | | 050/ 0 | - | | Square Valu | • | | 420.4 |
| 79 | 95 | 5% Gamma Ap | oproximate r | \IVI-U | CL (use | wnen | n>=50) | 10.05 | | 95% Gan | nma <i>F</i> | Najustea | KM-UCL (use | e wnen n< | 30) | 10.09 |
| 80 | | | | | | | | OF Took on F | Natacted O | haan:a i lana | 0-6 | | | | | |
| 81 | | | | Char | | | | OF Test on D | Petected O | oservations | | | filk COE Too | | | |
| 82 | | | | | | | Statistic | | D. | ata ata d Dat | | - | /ilk GOF Tes | | | |
| 83 | | | 5% | | | | Statistic | | De | etected Data | | | GOF Test | Significano | :е L | evei evei |
| 84 | | | | | | | al Value | | D | atastad Date | | | ormal at 5% | Cianifican | | ovol |
| 85 | | | | 3% L | | | | ppear Logno | | | | | Offilal at 5% | Significant | .e L | |
| 86 | | | | | De | lecteu | Data a | ppear Logno | ormai at 5% | Significan | ce re | vei | | | | |
| 87 | | | | | | ognor | mal DC | S Statistics | Hoing Imp | stad Nan D | otooto | | | | | |
| 88 | | | | N. | | | | | | ulea Non-D | elecis | • | Moon | in Log So | مام | 0.172 |
| 89 | | | | IV | | | al Scale | | | | | | | in Log Sc | | 1.499 |
| 90 | | 059/ + | UCL (assum | 200 0 | | | | | | | | 050/ | Percentile B | • | | 4.851 |
| 91 | | 95% t | OCL (assum | | | | | | | | | 95% | | | | |
| 92 | | | | | | | rap UCL | | | | | | 95% B0 | otstrap t U | UL | 5.678 |
| 93 | | | | 95 | ν π-U(| CL (LO | g ROS) | 7.591 | | | | | | | | |
| 94 | | | Ct- | tiotio | uole- | VN4 | timete: | on Logged | Data and A | coumina ! | 0000- | mal Dist | ribution | | | |
| 95 | | | Sta | แรนตร | | | | on Logged 2.154 | vala and A | sourning LC | vynor | וומו טואנ | | M Geo Me | 227 | 8.616 |
| 96 | | | | | | | (logged) | | | | | 0E0/ | Critical H Va | | | 1.766 |
| 97 | | | KM Stand | lard F | | | | | | | | 95% | | CL (KM -L | | 9.564 |
| 98 | | | VINI Statio | iaiU E | | | (logged) (logged) | | | | | 0E0/ | | ` | ٠, | |
| 99 | | | I/M C+ ! | lord C | | | | | | | | 95% | Critical H Va | iue (KIVI-L | Jg) | 1.766 |
| 100 | | | KM Stand | iaiU E | 1101011 | viean (| (iogged) | 0.045 | | | | | | | | |

| | Α | В | С | D | Е | F | G | Н | | J | K | L |
|-----|----|--------------|----------------|---------------|----------------|----------------|------------------|-----------------|-----------------|-------------------------|------------------|-------|
| 101 | | | | | | | | | | | | |
| 102 | | | | | | DL/2 S | tatistics | | | | | |
| 103 | | | DL/2 | Normal | | | | | DL/2 Log-1 | Transformed Transformed | | |
| 104 | | | | Mean in C | Original Scale | 5.5 | | | | Mean i | in Log Scale | 1.547 |
| 105 | | | | SD in C | Original Scale | 4.696 | | | | SD i | in Log Scale | 0.461 |
| 106 | | | 95% t l | JCL (Assum | es normality) | 6.751 | | | | 95% | H-Stat UCL | 6.008 |
| 107 | | | DL/2 | is not a reco | mmended m | ethod, provi | ded for com | parisons and | l historical re | easons | | |
| 108 | | | | | | | | | | | | |
| 109 | | | | | Nonparame | tric Distribu | tion Free UC | CL Statistics | | | | |
| 110 | | | | Detecte | d Data appea | r Normal Di | stributed at | 5% Significa | nce Level | | | |
| 111 | | | | | | | | | | | | |
| 112 | | | | | | Suggested | UCL to Use | | | | | |
| 113 | | | | 95% | % KM (t) UCL | 10.06 | | | | | | |
| 114 | | | | | | | | | | | | |
| 115 | I | Note: Sugges | stions regard | ling the sele | ction of a 95% | UCL are pr | ovided to he | lp the user to | select the m | nost appropria | ate 95% UCL | |
| 116 | | | F | Recommend | ations are bas | sed upon dat | a size, data | distribution, a | and skewnes | SS. | | |
| 117 | | These recor | mmendations | s are based | upon the resu | Its of the sim | ulation studi | ies summariz | zed in Singh, | Maichle, and | d Lee (2006). | |
| 118 | Но | wever, simu | lations result | s will not co | ver all Real W | orld data se | ts; for addition | onal insight th | ne user may | want to cons | ult a statistici | an. |
| 119 | | | | | | | | | | | | |

| \vdash | Α | В | С | D E | F | G H Sets with Non-Detects | I J K | L |
|--|----------------|-------------|--------------|--|---|--|---|-------------------------------------|
| 1 | | | | OCE Sta | istics for Date | 1 Oets With Non-Detects | | |
| 2 | | User Selec | cted Options | | | | | |
| 3 | | | omputation | ProUCL 5.18/7/2021 1 | 0:43:03 AM | | | |
| 5 | | | From File | Soil Vapor TCNW.xls | | | | |
| 6 | | Ful | II Precision | OFF | | | | |
| 7 | Co | onfidence (| Coefficient | 95% | | | | |
| 8 | Number of E | Bootstrap (| Operations | 2000 | | | | |
| 9 | | | | | | | | |
| 10 | Methyl tert-bu | ıtyl ether | | | | | | |
| 11 | | | | | | | | |
| 12 | | | | | | Statistics | | - |
| 13 | | | Total | Number of Observation | | | Number of Distinct Observations | 3 |
| 14 | | | | Number of Detec | | | Number of Non-Detects | 38 |
| 15 | | | N | umber of Distinct Detec | | | Number of Distinct Non-Detects | 1 |
| 16 | | | | Minimum Dete | | | Minimum Non-Detect | 40 |
| 17 | | | | Maximum Dete Variance Detec | | | Maximum Non-Detect Percent Non-Detects | 40 95% |
| 18 | | | | | | | | |
| 19 | | | | Mean Detec Median Detec | | | SD Detects CV Detects | 79472 1.226 |
| 20 | | | | Skewness Detec | | | Kurtosis Detects | N/A |
| 21 | | | | Mean of Logged Detec | | | SD of Logged Detects | 1.869 |
| 22 | | | | Wear or Logged Detec | 3 10.50 | | OD of Logged Detects | 1.005 |
| 23 | | | | Warning: | Data set has | only 2 Detected Values. | | |
| 24 25 | | | Т | | | gful or reliable statistics | | |
| 26 | | | | | | | | |
| 27 | | | | | | | | |
| 28 | | | | No | mal GOF Tes | st on Detects Only | | |
| 29 | | | | Not E | nough Data to | Perform GOF Test | | |
| 30 | | | | | | | | |
| 31 | | | | | | | | |
| 32 | | | Kaplan- | • • | _ | Critical Values and other | <u> </u> | |
| 33 | | | Kaplan- | KM Mea | n 3278 | critical Values and other | KM Standard Error of Mean | 4226 |
| | | | Kaplan- | KM Mea | n 3278 D 18898 | Critical Values and other | KM Standard Error of Mean 95% KM (BCA) UCL | N/A |
| 34 | | | Kaplan- | KM Mea KM S 95% KM (t) UC | 18898 L 10398 | Critical Values and other | KM Standard Error of Mean 95% KM (BCA) UCL 95% KM (Percentile Bootstrap) UCL | N/A N/A |
| 35 | | | | KM Mea KM S 95% KM (t) UC 95% KM (z) UC | 3278 D 18898 L 10398 L 10229 | Critical Values and other | KM Standard Error of Mean 95% KM (BCA) UCL 95% KM (Percentile Bootstrap) UCL 95% KM Bootstrap t UCL | N/A N/A N/A |
| 35 36 | | | | KM Mea KM S 95% KM (t) UC 95% KM (z) UC 90% KM Chebyshev UC | 10398 L 10398 L 15955 | Critical Values and other | KM Standard Error of Mean 95% KM (BCA) UCL 95% KM (Percentile Bootstrap) UCL 95% KM Bootstrap t UCL 95% KM Chebyshev UCL | N/A N/A N/A 21698 |
| 35 36 37 | | | | KM Mea KM S 95% KM (t) UC 95% KM (z) UC | 10398 L 10398 L 15955 | Critical Values and other | KM Standard Error of Mean 95% KM (BCA) UCL 95% KM (Percentile Bootstrap) UCL 95% KM Bootstrap t UCL | N/A N/A N/A |
| 35 36 37 38 | | | | KM Mea KM S 95% KM (t) UC 95% KM (z) UC 90% KM Chebyshev UC | 10398 L 10398 L 10229 L 15955 L 29668 | | KM Standard Error of Mean 95% KM (BCA) UCL 95% KM (Percentile Bootstrap) UCL 95% KM Bootstrap t UCL 95% KM Chebyshev UCL 99% KM Chebyshev UCL | N/A N/A N/A 21698 |
| 35 36 37 38 39 | | | | KM Mea KM S 95% KM (t) UC 95% KM (z) UC 90% KM Chebyshev UC 55% KM Chebyshev UC | n 3278 D 18898 L 10398 L 10229 L 15955 L 29668 | etected Observations O | KM Standard Error of Mean 95% KM (BCA) UCL 95% KM (Percentile Bootstrap) UCL 95% KM Bootstrap t UCL 95% KM Chebyshev UCL 99% KM Chebyshev UCL | N/A N/A N/A 21698 |
| 35 36 37 38 39 40 | | | | KM Mea KM S 95% KM (t) UC 95% KM (z) UC 90% KM Chebyshev UC 55% KM Chebyshev UC | n 3278 D 18898 L 10398 L 10229 L 15955 L 29668 | | KM Standard Error of Mean 95% KM (BCA) UCL 95% KM (Percentile Bootstrap) UCL 95% KM Bootstrap t UCL 95% KM Chebyshev UCL 99% KM Chebyshev UCL | N/A N/A N/A 21698 |
| 35 36 37 38 39 40 41 | | | | KM Mea KM S 95% KM (t) UC 95% KM (z) UC 90% KM Chebyshev UC .5% KM Chebyshev UC Gamma GC Not E | n 3278 D 18898 L 10398 L 10229 L 15955 L 29668 F Tests on Donough Data to | etected Observations O | KM Standard Error of Mean 95% KM (BCA) UCL 95% KM (Percentile Bootstrap) UCL 95% KM Bootstrap t UCL 95% KM Chebyshev UCL 99% KM Chebyshev UCL | N/A N/A N/A 21698 |
| 35 36 37 38 39 40 41 42 | | | | KM Mea KM S 95% KM (t) UC 95% KM (z) UC 90% KM Chebyshev UC 55% KM Chebyshev UC Gamma GC Not E | n 3278 D 18898 L 10398 L 10229 L 15955 L 29668 F Tests on Donough Data to | etected Observations O | KM Standard Error of Mean 95% KM (BCA) UCL 95% KM (Percentile Bootstrap) UCL 95% KM Bootstrap t UCL 95% KM Chebyshev UCL 99% KM Chebyshev UCL | N/A N/A N/A 21698 |
| 35 36 37 38 39 40 41 42 43 | | | | KM Mea KM S 95% KM (t) UC 95% KM (z) UC 90% KM Chebyshev UC .5% KM Chebyshev UC Gamma GC Not E | n 3278 D 18898 L 10398 L 10229 L 15955 L 29668 F Tests on Donough Data to a Statistics on 50 0.845 | etected Observations O | KM Standard Error of Mean 95% KM (BCA) UCL 95% KM (Percentile Bootstrap) UCL 95% KM Bootstrap t UCL 95% KM Chebyshev UCL 99% KM Chebyshev UCL | N/A N/A N/A 21698 45324 |
| 35 36 37 38 39 40 41 42 43 | | | | KM Mea KM S 95% KM (t) UC 95% KM (z) UC 90% KM Chebyshev UC .5% KM Chebyshev UC Gamma GC Not E Gamma | 10398 | etected Observations O | KM Standard Error of Mean 95% KM (BCA) UCL 95% KM (Percentile Bootstrap) UCL 95% KM Bootstrap t UCL 95% KM Chebyshev UCL 99% KM Chebyshev UCL | N/A N/A N/A 21698 45324 |
| 35 36 37 38 39 40 41 42 43 44 | | | | KM Mea KM S 95% KM (t) UC 95% KM (z) UC 90% KM Chebyshev UC 5.5% KM Chebyshev UC Gamma GC Not E Gamm k hat (MLE | 10398 | etected Observations O | KM Standard Error of Mean 95% KM (BCA) UCL 95% KM (Percentile Bootstrap) UCL 95% KM Bootstrap t UCL 95% KM Chebyshev UCL 99% KM Chebyshev UCL nly k star (bias corrected MLE) Theta star (bias corrected MLE) | N/A N/A N/A 21698 45324 |
| 35 36 37 38 39 40 41 42 43 44 45 | | | | KM Mea KM S 95% KM (t) UC 95% KM (z) UC 90% KM Chebyshev UC 5% KM Chebyshev UC Gamma GC Not E Gamm k hat (MLE Theta hat (MLE | 10398 | etected Observations O | KM Standard Error of Mean 95% KM (BCA) UCL 95% KM (Percentile Bootstrap) UCL 95% KM Bootstrap t UCL 95% KM Chebyshev UCL 99% KM Chebyshev UCL nly k star (bias corrected MLE) Theta star (bias corrected MLE) | N/A N/A N/A 21698 45324 |
| 35 36 37 38 39 40 41 42 43 44 45 46 47 | | | | KM Mea KM S 95% KM (t) UC 95% KM (z) UC 90% KM Chebyshev UC 5% KM Chebyshev UC Gamma GC Not E Gamm k hat (MLE Theta hat (MLE nu hat (MLE | 3278 D 18898 L 10398 L 10229 L 15955 L 29668 F Tests on Donough Data to 2000 S 76658 S 76658 S 3.382 S 6 64805 | etected Observations O | KM Standard Error of Mean 95% KM (BCA) UCL 95% KM (Percentile Bootstrap) UCL 95% KM Bootstrap t UCL 95% KM Chebyshev UCL 99% KM Chebyshev UCL nlly k star (bias corrected MLE) Theta star (bias corrected MLE) nu star (bias corrected) | N/A N/A N/A 21698 45324 |
| 35 36 37 38 39 40 41 42 43 44 45 | | | | KM Mea KM S 95% KM (t) UC 95% KM (z) UC 90% KM Chebyshev UC 5% KM Chebyshev UC Gamma GC Not E Gamm k hat (MLE Theta hat (MLE nu hat (MLE | 10398 | etected Observations Of Depending OF Test Detected Data Only | KM Standard Error of Mean 95% KM (BCA) UCL 95% KM (Percentile Bootstrap) UCL 95% KM Bootstrap t UCL 95% KM Chebyshev UCL 99% KM Chebyshev UCL nlly k star (bias corrected MLE) Theta star (bias corrected MLE) nu star (bias corrected) | N/A N/A N/A 21698 45324 |

| | | | | | | | | - | | | | |
|----------|-----|-------------|----------------|---------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------|
| 51 | A | В | С | D | k hat (KM) | F 0.0301 | G | Н | | J | k star (KM) | 0.0445 |
| 52 | | | | | nu hat (KM) | | | | | | nu star (KM) | 3.56 |
| 53 | | | | | theta hat (KM) | 108940 | | | | the | eta star (KM) | 73665 |
| 54 | | | 809 | % gamma p | ercentile (KM) | 285.8 | | | 90 | % gamma pe | rcentile (KM) | 4242 |
| 55 | | | 959 | % gamma p | ercentile (KM) | 16620 | | | 99 | % gamma pe | rcentile (KM) | 74567 |
| 56 | | | | | | 1 | 1 | | | | | |
| 57 | | | | | Gamn | na Kaplan-M | eier (KM) S | tatistics | | | | |
| 58 | | | | | | | | | - | | gnificance (β) | |
| 59 | | | • | | Value (3.56, α) | | | | - | • | alue (3.56, β) | |
| 60 | 95% | Gamma Ap | proximate KI | , | e when n>=50) | | | | • | KM-UCL (use | when n<50) | 22604 |
| 61 | | | | 95% | Gamma Adjus | ted KM-UCL | (use when k | <=1 and 15 | < n < 50) | | | |
| 62 | | | | | | | | | | | | |
| 63 | | | | | Lognormal GO | | | | Only | | | |
| 64 | | | | | Not En | ough Data to | o Perform G | OF Test | | | | |
| 65 | | | | | Lognormal RC | S Statiation | Lloina Imput | od Non Dot | ooto | | | |
| 66 | | | | | Original Scale | | Using impul | ea Non-Det | ecis | Moan | in Log Scale | -7.361 |
| 67 | | | | | Original Scale | | | | | | in Log Scale | |
| 68 | | 95% t I | UCL (assume | | y of ROS data) | | | | 95% | | ootstrap UCL | |
| 69 | | 3370 11 | ` | | Bootstrap UCL | | | | 3370 | | otstrap t UCL | |
| 70 | | | | | CL (Log ROS) | | | | | | | 1017001 |
| 71 72 | | | | | (9) | | | | | | | |
| 73 | | | Stati | stics using | KM estimates | on Logged | Data and As | suming Log | normal Distr | ibution | | |
| 74 | | | | | Mean (logged) | | | | | | M Geo Mean | 55.9 |
| 75 | | | | K | M SD (logged) | 1.488 | | | 95% | Critical H Val | lue (KM-Log) | 3.033 |
| 76 | | | KM Standa | rd Error of | Mean (logged) | 0.333 | | | | 95% H-U0 | CL (KM -Log) | 348.7 |
| 77 | | | | K | M SD (logged) | 1.488 | | | 95% | Critical H Val | lue (KM-Log) | 3.033 |
| 78 | | | KM Standa | rd Error of | Mean (logged) | 0.333 | | | | | | |
| 79 | | | | | | | | | | | | 1 |
| 80 | | | | | | DL/2 S | tatistics | | | | | |
| 81 | | | DL/2 | Normal | | | | | DL/2 Log- | Transformed | | |
| 82 | | | | | Original Scale | | | | | Mean | in Log Scale | 3.365 |
| 83 | | | | | Original Scale | | | | | | in Log Scale | |
| 84 | | | | • | mes normality) | | | | | | 6 H-Stat UCL | 272.4 |
| 85 | | | DL/2 | is not a re | commended m | ethod, provi | ded for com | parisons an | d historical r | easons | | |
| 86 | | | | | | | | | | | | |
| 87 | | | | - · · | | etric Distribu | | | | | | |
| 88 | | | | Data do | not follow a D | iscernible D | istribution a | t 5% Signific | cance Level | | | |
| 89 | | | | | | Cuggootod | LICI to Lloo | | | | | |
| 90 | | | QI | 5% KM (Ch | ebyshev) UCL | | UCL to Use | , | | | | |
| 91 | | | 9: | 70 IXIVI (CII | CDYSHEV) UCL | 21030 | | | | | | |
| 92 | 1 | Note: Sugge | estions regard | ling the sel | ection of a 95% | 6 UCL are pr | ovided to be | In the user to | n select the r | nost annronri | iate 95% LICI | |
| 93 | ' | Jugge | | | dations are ba | | | • | | | 55 /0 001 | |
| 94 | | These reco | | | d upon the resu | | | | | | d Lee (2006) | |
| 95 | Но | | | | over all Real V | | | | | | | |
| 96 | | | | | | | ,, . J. uuuiti | | | | | |
| 97 | | | | | | | | | | | | |

| | Α | В | С | D | Е | F | G | Н | I | J | K | L |
|----|------------|--------------|--------------|-------------------|---------------|----------------|----------------|---------------|-------------|-----------------|----------------------|-------|
| 1 | | | | | UCL Statis | tics for Data | Sets with N | on-Detects | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | | cted Options | | | | | | | | | |
| 4 | Dat | e/Time of C | | ProUCL 5.18 | | 43:26 AM | | | | | | |
| 5 | | | From File | Soil Vapor To | CNW.xls | | | | | | | |
| 6 | | | II Precision | OFF | | | | | | | | |
| 7 | | Confidence | | 95% | | | | | | | | |
| 8 | Number o | of Bootstrap | Operations | 2000 | | | | | | | | |
| 9 | | | | | | | | | | | | |
| 10 | Naphthalen | e | | | | | | | | | | |
| 11 | | | | | | 0 | Otatiania | | | | | |
| 12 | | | Tatal | Normals are of O | h | | Statistics | | NI:ala a | of Distinct C |)h = = m := ti = m = | |
| 13 | | | lotai | Number of Ol | r of Detects | 40 | | | Numbe | | Observations | 4 |
| 14 | | | NI. | | | 3 | | | NII. | | Non-Detects | 37 |
| 15 | | | N | umber of Disti | | 3 | | | Numbe | | Non-Detects | 1 |
| 16 | | | | | num Detect | | | | | | Non-Detect | 40 |
| 17 | | | | | | | | | | | Non-Detect | 40 |
| 18 | | | | | nce Detects | | | | | Percent | Non-Detects | 92.5% |
| 19 | | | | | ean Detects | 424 | | | | | SD Detects | 392.8 |
| 20 | | | | | ian Detects | 405 | | | | IZ | CV Detects | 0.927 |
| 21 | | | | | ess Detects | 0.217 5.478 | | | | | osis Detects | N/A |
| 22 | | | | Mean of Logg | jea Detects | 5.478 | | | | SD of Log | ged Detects | 1.569 |
| 23 | | | | | Morning, D | oto oot boo | only 3 Detec | tod Voluge | | | | |
| 24 | | | т. | his is not eno | | | = | | and actimat | | | |
| 25 | | | | ilis is flot ello | ugii to com | oute meanin | giui oi reilab | ie statistics | and esumad | 28 . | | |
| 26 | | | | | | | | | | | | |
| 27 | | | | | Norm | nal GOF Tes | t on Detects | Only | | | | |
| 28 | | | S | hapiro Wilk To | | | CON DOLOGIS | Olly | Shaniro Wi | lk GOF Test | | |
| 29 | | | | hapiro Wilk Cı | | 0.767 | De | etected Data | - | | gnificance Lev | vel |
| 30 | | | | | est Statistic | 0.186 | | | | GOF Test | | |
| 31 | | | 5 | % Lilliefors Cr | | 0.425 | De | etected Data | | | gnificance Lev | vel |
| 32 | | | | | | | nal at 5% Sig | | • • | | ,aa | |
| 33 | | | | | | арроан тон | | ,oaoo E | | | | |
| 34 | | | Kanlan- | Meier (KM) S | tatistics usi | ng Normal C | ritical Value | s and other | Nonnaramei | ric UCI s | | |
| 35 | | | | , - | KM Mean | | | | • | | rror of Mean | 25.94 |
| 36 | | | | | KM SD | | | | | | 1 (BCA) UCL | N/A |
| 37 | | | | 95% | KM (t) UCL | | | | 95% KM (P | ercentile Boo | ` ' | N/A |
| 38 | | | | | KM (z) UCL | 111.5 | | | ` | 95% KM Boo | • / | N/A |
| 39 | | | ç | 00% KM Cheb | | | | | | 95% KM Che | · | 181.9 |
| 40 | | | | .5% KM Cheb | • | 230.8 | | | | 99% KM Che | - | 326.9 |
| 41 | | | | | | | | | | | , | |
| 42 | | | | Ga | amma GOF | Tests on De | etected Obse | ervations Or | ly | | | |
| 43 | | | | | | | Perform GC | | • | | | |
| 44 | | | | | | <u> </u> | | | | | | |
| 45 | | | | | Gamma | Statistics or | Detected D | ata Only | | | | |
| 46 | | | | | k hat (MLE) | | | | k : | star (bias cor | rected MLE) | N/A |
| 47 | | | | | a hat (MLE) | | | | | star (bias cor | * | N/A |
| 48 | | | | | u hat (MLE) | | | | | | as corrected) | N/A |
| 49 | | | | | an (detects) | 424 | | | | (3.6 | - 37 | |
| 50 | | | | 14100 | (20.00.0) | | | | | | | |

| | Α | В | С | | D | | E | F | G | Н | | I | J | | K | L |
|-----|-----|-------------------|---------------|---------|------------|--------|-----------|----------------|----------------|----------------|----------|-----------|----------------|---------|------------------------|--------|
| 51 | | | | | | | | | | | | | | | | |
| 52 | | | | | | | | S Statistics u | | | | | | | | |
| 53 | | | | • | | | | set has > 50% | | • | | | | | | |
| 54 | | GROS ma | - | | | | | small such a | - | - | | - | | (e.g., | <15-20) | |
| 55 | | | F | or su | | | | method may | | | | Ls and E | BTVs | | | |
| 56 | | | | | | | | ially true who | | | | | | | | |
| 57 | | For ga | ımma distrib | uted (| detected | | | and UCLs ma | y be comp | uted using (| gamm | a distrib | ution on KM | estima | | |
| 58 | | | | | | | linimum | | | | | | | | Mean | 31.81 |
| 59 | | | | | | Ma | aximum | | | | | | | | Median | 0.01 |
| 60 | | | | | | | SD | | | | | | | | CV | 4.524 |
| 61 | | | | | | | at (MLE) | | | | | | star (bias co | | | 0.118 |
| 62 | | | | | Th | | at (MLE) | | | | | Theta | star (bias co | | | 269.1 |
| 63 | | | | | | | at (MLE) | | | | | | nu star (b | ias co | rrected) | 9.458 |
| 64 | | | | | | | ance (β) | | | | | | | | | |
| 65 | | | pproximate | | - | | | | | | | - | Chi Square \ | | | 3.471 |
| 66 | | 95% Gamm | a Approxima | ate U | CL (use | when | n>=50) | 83.43 | | 95% | Gamr | na Adjus | sted UCL (us | e whe | en n<50) | N/A |
| 67 | | | | | | | | | | 101 = 1 | | | | | | |
| 68 | | | | | | | | Samma Para | meters usir | ng KM Esti | mates | ; | | | | |
| 69 | | | | | | | an (KM) | | | | | | | | SD (KM) | 134 |
| 70 | | | | | | | | 17946 | | | | | SE | | an (KM) | 25.94 |
| 71 | | | | | | | nat (KM) | | | | | | | | tar (KM) | 0.261 |
| 72 | | | | | | | nat (KM) | | | | | | | | tar (KM) | 20.85 |
| 73 | | | | 201 | | | nat (KM) | | | | | | | | tar (KM) | 264 |
| 74 | | | | | | | ile (KM) | | | | | | 9% gamma p | | | 205.8 |
| 75 | | | 95 | % ga | ımma po | ercent | ile (KM) | 328.9 | | | | 99 | 9% gamma p | ercent | tile (KIVI) | 654.5 |
| 76 | | | | | | | | na Kaplan-M | olov (IZM) C | Natiotics | | | | | | |
| 77 | | Λ m | nrovimoto C | hi Ca | uoro Va | due (2 | | = | elei (Kivi) s | otaustics | ٨٨ | iveted C | hi Square Va | oluo / | 00 0E 0\ | 11.22 |
| 78 | 0.5 | Ap 5% Gamma Ap | proximate C | | | • | | | | 0E% Con | | | KM-UCL (us | , | | 127.9 |
| 79 | 90 | 7/0 Gaiiiiia A | рргохіппаце к | NIVI-U | CL (use | wileii | | 123 | | 95 % Gail | IIIIIa F | Aujusteu | KIVI-UCL (us | e wile | #II II\50) | |
| 80 | | | | | | ogno | rmal G(| OF Test on D | otootod Oh | convotions | Only | | | | | |
| 81 | | | | Shan | | | Statistic | | | osei valioi is | | | /ilk GOF Te: | ot . | | |
| 82 | | | | | | | al Value | | Do | stacted Date | | | ormal at 5% | | ficanco I | ovol |
| 83 | | | 5 /0 . | | | | Statistic | | De | elected Date | | | s GOF Test | | ilcalice L | |
| 84 | | | | | | | al Value | | De | stacted Date | | | ormal at 5% | | ficance I | evel |
| 85 | | | | J /0 L | | | | ppear Logno | | | | | offilal at 5 % | Sigilii | iicaric e L | |
| 86 | | | | | Dei | lecteu | Dala a | ppear Logiic | illiai at 3 /6 | Significan | CG LG | VGI | | | | |
| 87 | | | | | - | oanor | mal RC | S Statistics | l leina Impu | ited Non-D | atacts | • | | | | |
| 88 | | | | N/ | | | al Scale | | Sang impu | 14011-10 | J.6013 | • | Мез | n in L | og Scale | -4.961 |
| 89 | | | | IV | | | al Scale | | | | | | | | og Scale | 5.475 |
| 90 | | 95% t | UCL (assum | nes no | | • | | | | | | 95% | Percentile E | | • | 73.7 |
| 91 | | JJ 70 T | (assum | | | | ap UCL | | | | | 33 70 | | | ap t UCL | 721.1 |
| 92 | | | | | | | | 83609377 | | | | | | | -p : OOL | |
| 93 | | | | | . 70 11-00 | J_ (LU | | 3000077 | | | | | | | | |
| 94 | | | Stat | tistics | usina | KM es | timates | on Logged | Data and A | ssumina I a | ognor | mal Dist | ribution | | | |
| 95 | | | | | | | (logged) | | _ a.a a.ia A | inig E | -901 | 5100 | | KM G | eo Mean | 45.74 |
| 96 | | | | | | - | (logged) | | | | | 95% | Critical H Va | | | 1.991 |
| 97 | | | KM Stand | ard F | | | | | | | | | 95% H-L | • | | 65.56 |
| 98 | | | 5.0.10 | | | - | (logged) | | | | | 95% | Critical H Va | , | • | 1.991 |
| 99 | | | KM Stand | ard F | | | | | | | | | 2 | | =-9/ | |
| 100 | | | Otalia | J. U L | | | . Jyycu) | 0.117 | | | | | | | | |

| | Α | В | С | D | E | F | G | Н | I | J | K | L |
|-----|----|-------------|----------------|---------------|----------------|----------------|------------------|----------------|---------------|----------------|------------------|-------|
| 101 | | | | | | | | | | | | |
| 102 | | | | | | DL/2 S | tatistics | | | | | |
| 103 | | | DL/2 I | Normal | | | | | DL/2 Log-T | ransformed | | |
| 104 | | | | Mean in C | riginal Scale | 50.3 | | | | Mean i | in Log Scale | 3.182 |
| 105 | | | | SD in C | riginal Scale | 139.7 | | in Log Scale | 0.751 | | | |
| 106 | | | 95% t l | JCL (Assum | es normality) | 87.53 | | H-Stat UCL | 41.34 | | | |
| 107 | | | DL/2 | s not a reco | mmended m | ethod, provi | ded for com | | | | | |
| 108 | | | | | | | | | | | | |
| 109 | | | | | Nonparame | etric Distribu | tion Free UC | CL Statistics | | | | |
| 110 | | | | Detected | d Data appea | r Normal Di | stributed at | 5% Significa | nce Level | | | |
| 111 | | | | | | | | | | | | |
| 112 | | | | | | Suggested | UCL to Use | | | | | |
| 113 | | | | 95% | 6 KM (t) UCL | 112.5 | | | | | | |
| 114 | | | | | | | | | | | | |
| 115 | ١ | Note: Sugge | stions regard | ing the selec | ction of a 95% | 6 UCL are pr | ovided to he | lp the user to | select the m | nost appropria | ate 95% UCL | |
| 116 | | | F | Recommenda | ations are bas | sed upon dat | a size, data | distribution, | and skewnes | SS. | | |
| 117 | | These recor | mmendations | are based | upon the resu | Its of the sim | ulation studi | ies summariz | zed in Singh, | Maichle, and | d Lee (2006). | |
| 118 | Но | wever, simu | lations result | s will not co | ver all Real W | orld data se | ts; for addition | onal insight t | he user may | want to consi | ult a statistici | an. |
| 119 | | | | | | | | | | | | |

| | Α | В | С | D | Е | F | G | Н | I | J | K | L |
|----|------------|----------------|---------------|-----------------|----------------|---------------|--------------|---------------|--------------|------------------|--|-----------|
| 1 | | | | | UCL Statis | tics for Data | Sets with N | on-Detects | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | User Sele | cted Options | | | | | | | | | |
| 4 | Da | ite/Time of Co | omputation | ProUCL 5.18 | 3/7/2021 10: | 36:18 AM | | | | | | |
| 5 | | | From File | Soil Vapor To | CNW.xls | | | | | | | |
| 6 | | Ful | II Precision | OFF | | | | | | | | |
| 7 | | Confidence | Coefficient | 95% | | | | | | | | |
| 8 | Number | of Bootstrap | Operations | 2000 | | | | | | | | |
| 9 | | | | ' | | | | | | | | |
| 10 | n-Butylben | zene | | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | General | Statistics | | | | | |
| 13 | | | Total | Number of O | bservations | 40 | | | Numbe | r of Distinct C | bservations | 2 |
| 14 | | | | Numbe | r of Detects | 1 | | | | Number of N | Non-Detects | 39 |
| 15 | | | N | umber of Disti | nct Detects | 1 | | | Numbe | er of Distinct I | Non-Detects | 1 |
| 16 | | | | | | | | | | | <u>, </u> | |
| 17 | | Warning: On | ly one distin | ct data value | was detecte | ed! ProUCL | (or any othe | r software) s | hould not be | e used on suc | ch a data set | |
| 18 | It is sugg | ested to use | alternative s | site specific v | alues deterr | mined by the | Project Tea | m to estimat | te environm | ental parame | eters (e.g., Ef | PC, BTV). |
| 19 | | | | | | | | | | | | |
| 20 | | | | The da | ita set for va | ariable n-But | ylbenzene w | as not proce | essed! | | | |
| 21 | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | |

| | Α | В | С | D | E | F | G | H | | J | K | L |
|----------|-------------|---------------|---------------|----------------|---------------|---------------|---------------|-------------|-------------|----------------|---------------|--------|
| 1 | | | | | UCL Statis | tics for Data | Sets with N | on-Detects | | | | |
| 2 | | Lloor Cole | ected Options | | | | | | | | | |
| 3 | Dat | | Computation | ProUCL 5.18 | 8/7/2021 10: | 43·50 ΔM | | | | | | |
| 4 | | ter rime or e | From File | Soil Vapor To | | | | | | | | |
| 5 | | Fı | ull Precision | OFF | | | | | | | | |
| 6 | | | e Coefficient | 95% | | | | | | | | |
| 7 8 | Number o | of Bootstrap | Operations | 2000 | | | | | | | | |
| 9 | | | | | | | | | | | | |
| | n-Propylbei | nzene | | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | General | Statistics | | | | | |
| 13 | | | Total | Number of O | bservations | 40 | | | Numbe | | Observations | 3 |
| 14 | | | | | r of Detects | 2 | | | | | Non-Detects | 38 |
| 15 | | | Nı | umber of Disti | | 2 | | | Numbe | | Non-Detects | 1 |
| 16 | | | | | num Detect | | | | | | Non-Detect | 8 |
| 17 | | | | | num Detect | | | | | | Non-Detect | 8 |
| 18 | | | | | nce Detects | | | | | Percent | Non-Detects | 95% |
| 19 | | | | | ean Detects | _ | | | | | SD Detects | |
| 20 | | | | | lian Detects | _ | | | | 17 | CV Detects | 0.531 |
| 21 | | | | | ess Detects | N/A | | | | | tosis Detects | N/A |
| 22 | | | | Mean of Logo | ged Detects | 8.273 | | | | SD of Log | ged Detects | 0.558 |
| 23 | | | | | Warning: D | ata set has | only 2 Detec | ted Values | | | | |
| 24 | | | Т | nis is not eno | | | | | and estimat | es | | |
| 25 26 | | | | | -g, | | 9.4. 0 04. | | | | | |
| 27 | | | | | | | | | | | | |
| 28 | | | | | Norm | nal GOF Tes | t on Detects | Only | | | | |
| 29 | | | | | Not En | ough Data to | Perform GC | OF Test | | | | |
| 30 | | | | | | | | | | | | |
| 31 | | | Kaplan- | Meier (KM) S | tatistics usi | ng Normal C | ritical Value | s and other | Nonparame | tric UCLs | | |
| 32 | | | | | KM Mean | 218.9 | | | KI | M Standard E | rror of Mean | 220.3 |
| 33 | | | | | KM SD | | | | | 95% KM | (BCA) UCL | N/A |
| 34 | | | | | KM (t) UCL | | | | • | Percentile Bo | . , | N/A |
| 35 | | | | | KM (z) UCL | | | | | 95% KM Boo | · · | N/A |
| 36 | | | | 00% KM Cheb | | 879.6 | | | | 95% KM Che | • | 1179 |
| 37 | | | 97 | .5% KM Cheb | yshev UCL | 1594 | | | ! | 99% KM Che | byshev UCL | 2410 |
| 38 | | | | | | | | | | | | |
| 39 | | | | G | | | etected Obse | | ily | | | |
| 40 | | | | | Not En | ougn Data to | Perform GC | Jr lest | | | | |
| 41 | | | | | Gomm- | Statistics :: | n Detected D | ata Only | | | | |
| 42 | | | | 1 | k hat (MLE) | | i Detected D | ata Offiy | l. | star (bias cor | rected MI EV | N/A |
| 43 | | | | | a hat (MLE) | | | | | star (bias cor | | N/A |
| 44 | | | | | u hat (MLE) | | | | 111614 | | as corrected) | N/A |
| 45 | | | | | an (detects) | | | | | 5.01 (5)6 | | 14// 1 |
| 46 | | | | | (2010010) | | | | | | | |
| 47 | | | | Est | timates of G | amma Para | meters using | ı KM Estima | tes | | | |
| 48 | | | | | Mean (KM) | | | | | | SD (KM) | 985 |
| 49 50 | | | | | riance (KM) | | | | | SE o | of Mean (KM) | 220.3 |
| 50 | | | | vai | | 2.000 | | | | | | 0.0 |

| | | | | | | | _ | | | | 1. | |
|----|-----|-------------|----------------|-----------------|--|---------------|------------------|----------------|-----------------|---------------|-------------------|---------|
| 51 | A | В | С | D | k hat (KM) | F 0.0494 | G | Н | 1 1 | J | k star (KM) | 0.0623 |
| 52 | | | | | nu hat (KM) | 3.949 | | | | | nu star (KM) | 4.986 |
| 53 | | | | | theta hat (KM) | 4434 | | | | th | eta star (KM) | 3511 |
| 54 | | | 80 |)% gamma p | ercentile (KM) | 58.66 | | | 90% | 6 gamma pe | ercentile (KM) | 427.2 |
| 55 | | | 95 | 5% gamma p | ercentile (KM) | 1236 | | | 99% | 6 gamma pe | ercentile (KM) | 4343 |
| 56 | | | | | | | I. | | | | | |
| 57 | | | | | Gamm | na Kaplan-M | eier (KM) St | atistics | | | | |
| 58 | | | | | | | | | Adjusted | Level of Sig | gnificance (β) | 0.044 |
| 59 | | P | Approximate | Chi Square \ | /alue (4.99, α) | 1.146 | | | Adjusted C | hi Square V | alue (4.99, β) | 1.08 |
| 60 | 95% | Gamma A | pproximate k | (M-UCL (use | when n>=50) | 952.4 | | 95% Gamm | na Adjusted K | M-UCL (use | e when n<50) | 1011 |
| 61 | | | | 95% (| Gamma Adjust | ed KM-UCL | (use when k | <=1 and 15 | < n < 50) | | | |
| 62 | | | | | | | | | | | | |
| 63 | | | | | Lognormal GC | F Test on D | etected Obs | ervations O | nly | | | |
| 64 | | | | | Not En | ough Data to | Perform G | OF Test | | | | |
| 65 | | | | | | | | | | | | |
| 66 | | | | L | ognormal RO | S Statistics | Using Imput | ed Non-Dete | ects | | | |
| 67 | | | | | Original Scale | | | | | | in Log Scale | 2.977 |
| 68 | | | | | Original Scale | 997.2 | | | | | in Log Scale | 2.544 |
| 69 | | 95% t | UCL (assum | | of ROS data) | | | | 95% F | Percentile B | ootstrap UCL | 590.5 |
| 70 | | | | 95% BCA E | Bootstrap UCL | 752.1 | | | | 95% Bo | otstrap t UCL | 1513 |
| 71 | | | | 95% H-U | CL (Log ROS) | 3260 | | | | | | |
| 72 | | | | | | | | | | | | |
| 73 | | | Sta | | KM estimates | | Data and As | suming Log | normal Distri | | | |
| 74 | | | | | Mean (logged) | | | | | | M Geo Mean | 10.9 |
| 75 | | | | | M SD (logged) | | | | 95% (| | lue (KM-Log) | 2.849 |
| 76 | | | KM Stand | | Mean (logged) | 0.302 | | | | | CL (KM -Log) | 50.46 |
| 77 | | | | | M SD (logged) | | | | 95% (| Critical H Va | lue (KM-Log) | 2.849 |
| 78 | | | KM Stand | ard Error of I | Mean (logged) | 0.302 | | | | | | |
| 79 | | | | | | | | | | | | |
| 80 | | | | | | DL/2 S | tatistics | | | | | |
| 81 | | | DL/2 | 2 Normal | | | | | DL/2 Log-T | | | |
| 82 | | | | | Original Scale | | | | | | in Log Scale | 1.731 |
| 83 | | | | | Original Scale | | | | | | in Log Scale | 1.523 |
| 84 | | | | , | nes normality) | | | | | | % H-Stat UCL | 38.13 |
| 85 | | | DL/2 | 2 is not a rec | commended m | ethod, provi | ded for comp | parisons and | d historical re | easons | | |
| 86 | | | | | | | = 114 | | | | | |
| 87 | | | | | | | tion Free UC | | | | | |
| 88 | | | | Data do | not follow a D | iscernible D | istribution at | 5% Signific | ance Level | | | |
| 89 | | | | | | | | | | | | |
| 90 | | | , | DEO/ IZM /Ob | - - - - - - - - - - - - - - | | UCL to Use | | | | 1 | |
| 91 | | | | oo% KIVI (Ch | ebyshev) UCL | 1179 | | | | | | |
| 92 | | Note: C: | ootio== === | rdin a the cont | notion of - OFO | / 1101 | ovided + - I- | n the | | noot comme | rioto OEO/ LICI | |
| 93 | | ivote: Sugg | estions rega | | ection of a 95% | · | | • | | | iate 95% UCL | |
| 94 | | These === | ommondet: | | dations are bas | | | | | | od Loc (2006) | |
| 95 | 11 | | | | l upon the resu | | | | | | | |
| 96 | Ho | wever, sim | iuiations rest | ins will not c | over all Real W | voria data se | is, for addition | niai insignt t | ne user may | want to con | suit a statistici | afi. |
| 97 | | | | | | | | | | | | |

| | Α | В | С | D | E LICL Statio | F | G Sets with No | H n Detecto | 1 | J | K | L |
|--------|----------|--------------|--------------|-----------------|-----------------------------|----------------|--|----------------|-------------|--------------|--------------------------------|--------|
| 1 | | | | | OCL Statis | oucs for Date | i Sels Willi NO | II-Delects | • | | | |
| 2 | | User Sele | cted Options | | | | | | | | | |
| 3 | Dat | e/Time of Co | • | ProUCL 5.18 | 8/7/2021 10: | 45·24 AM | | | | | | |
| 4 | | | From File | Soil Vapor T | | 10.21740 | | | | | | |
| 5 | | Fu | II Precision | OFF | | | | | | | | |
| 6 7 | | Confidence | | 95% | | | | | | | | |
| 8 | Number o | f Bootstrap | Operations | 2000 | | | | | | | | |
| 9 | | | • | | | | | | | | | |
| | o-Xylene | | | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | General | Statistics | | | | | |
| 13 | | | Total | l Number of C | bservations | 40 | | | Numb | | Observation | |
| 14 | | | | Numbe | er of Detects | 2 | | | | Number o | of Non-Detects | 38 |
| 15 | | | N | lumber of Dist | | 2 | | | Numl | | t Non-Detect | |
| 16 | | | | | mum Detect | _ | | | | | m Non-Detec | _ |
| 17 | | | | | mum Detect | | | | | | m Non-Detec | - |
| 18 | | | | | nce Detects | | | | | Percer | t Non-Detects | |
| 19 | | | | | ean Detects | 262.5 | | | | | SD Detects | |
| 20 | | | | | dian Detects | 262.5 | | | | | CV Detects | |
| 21 | | | | | ess Detects | N/A | | | | | irtosis Detects | |
| 22 | | | | Mean of Log | ged Detects | 5.26 | | | | SD of Lo | ogged Detects | 1.173 |
| 23 | | | | | Mamina. D | | amb O Data at | ad \/alaa | | | | |
| 24 | | | | 'hio io not one | | | only 2 Detectory only 2 Detectory of the contract of the contr | | | **** | | |
| 25 | | | | nis is not end | ough to comp | oute meanin | giui oi reliabit | e statistics | s and esuma | iles. | | |
| 26 | | | | | | | | | | | | |
| 27 | | | | | Norm | nal GOF Tes | t on Detects | Only | | | | |
| 28 | | | | | | | Perform GO | | | | | |
| 30 | | | | | | | | | | | | |
| 31 | | | Kaplan- | -Meier (KM) S | Statistics usi | ng Normal C | ritical Values | and other | r Nonparam | etric UCLs | | |
| 32 | | | | | KM Mean | 20.73 | | | ŀ | (M Standard | Error of Mear | 15.28 |
| 33 | | | | | KM SD | 68.34 | | | | 95% K | (M (BCA) UCI | N/A |
| 34 | | | | 95% | KM (t) UCL | 46.47 | | | 95% KM (| Percentile B | ootstrap) UCI | N/A |
| 35 | | | | | KM (z) UCL | 45.86 | | | | 95% KM B | ootstrap t UCI | N/A |
| 36 | | | | 90% KM Chel | • | 66.57 | | | | | nebyshev UCI | |
| 37 | | | 97 | 7.5% KM Chel | byshev UCL | 116.1 | | | | 99% KM Ch | nebyshev UCI | 172.8 |
| 38 | | | | | | | | | | | | |
| 39 | | | | G | | | etected Obser | | nly | | | |
| 40 | | | | | Not En | ough Data to | Perform GO | F Test | | | | |
| 41 | | | | | | 04-4' '' | D-1 : :- | | | | | |
| 42 | | | | | | | Detected Da | ita Uniy | | , atas /b.* | | N1/A |
| 43 | | | | | k hat (MLE) | | | | | • | orrected MLE | |
| 44 | | | | | ta hat (MLE) u hat (MLE) | 149.2 7.038 | | | ı neta | | orrected MLE pias corrected | |
| 45 | | | | | an (detects) | 262.5 | | | | nu stat (t | nas corrected |) IN/A |
| 46 | | | | ivie | an (ucidois) | 202.J | | | | | | |
| | | | | | | | | | | | | |
| 47 | | | | E | timates of C | amma Para | metere using | KM Fetim | ates | | | |
| 48 | | | | Es | | | meters using | KM Estim | ates | | SD (KM | 68 34 |
| | | | | | timates of G Mean (KM) | 20.73 | meters using | KM Estim | ates | 0.5 | SD (KM | |

| | | | _ | | | | • | | | | T | 1 |
|----------|-----|-------------|-----------------|---------------|-------------------------------|----------------|-----------------|----------------|----------------|----------------|------------------------------|------------|
| F1 | Α | В | С | D | k hat (KM) | F 0.092 | G | Н | 1 | J | K k star (KM) | L 0.102 |
| 51 52 | | | | | nu hat (KM) | | | | | | nu star (KM) | 8.14 |
| 53 | | | | | theta hat (KM) | 225.3 | | | | the | eta star (KM) | 203.7 |
| 54 | | | 80% | % gamma p | ercentile (KM) | 14.74 | | | 909 | % gamma pe | rcentile (KM) | 55.55 |
| 55 | | | 95% | % gamma p | ercentile (KM) | 120.2 | | | 999 | % gamma pe | rcentile (KM) | 326.4 |
| 56 | | | | | | | L | | | | | |
| 57 | | | | | Gamr | na Kaplan-M | leier (KM) S | tatistics | | | | |
| 58 | | | | | | | | | • | d Level of Sig | " ' | 0.044 |
| 59 | | | • | • | Value (8.14, α) | | | | • | Chi Square Va | ` ''' | 2.7 |
| 60 | 95% | Gamma Ap | proximate KN | , | e when n>=50) | | | | • | KM-UCL (use | when n<50) | 62.48 |
| 61 | | | | 95% | Gamma Adjus | ted KM-UCL | (use when l | <=1 and 15 | < n < 50) | | | |
| 62 | | | | | | | | | | | | |
| 63 | | | | | Lognormal Go | | | | Only | | | |
| 64 | | | | | Not Er | ough Data to | o Perform G | iOF Test | | | | |
| 65 | | | | | | O Otatiatias | Haine Inch | tad Nan Dat | | | | |
| 66 | | | | | Lognormal RC | | Using impu | tea Non-Det | ects | Maan | in I an Caala | -5.873 |
| 67 | | | | | Original Scale Original Scale | | | | | | in Log Scale in Log Scale | 5.348 |
| 68 | | 0E9/ +1 | IICI /assuma | | y of ROS data) | | | | 0E9/ | Percentile Bo | J | 35.33 |
| 69 | | 95% [] | • | - | Bootstrap UCL | | | | 95% | | otstrap t UCL | 637.4 |
| 70 | | | | | CL (Log ROS) | | | | | 95 / 600 | oisiiap i OCL | 037.4 |
| 71 | | | | 93 /6 11-0 | CL (LUG NOS) | 11030031 | | | | | | |
| 72 | | | Statis | stics using | KM estimates | on Logged | Data and As | ssumina I oa | normal Distr | ibution | | |
| 73 | | | | | Mean (logged) | | | Journing Log | mormar bioa | | M Geo Mean | 9.379 |
| 74 | | | | | M SD (logged) | | | | 95% | Critical H Val | | 2.108 |
| 75 76 | | | KM Standa | | Mean (logged) | | | | | | CL (KM -Log) | 15.46 |
| 77 | | | | | M SD (logged) | | | | 95% | Critical H Val | ` 0, | 2.108 |
| 78 | | | KM Standa | rd Error of | Mean (logged) | 0.16 | | | | | , ,, | |
| 79 | | | | | | | | | | | | |
| 80 | | | | | | DL/2 S | statistics | | | | | |
| 81 | | | DL/2 | Normal | | | | | DL/2 Log- | Transformed | | |
| 82 | | | | Mean in | Original Scale | 16.93 | | | | Mean | in Log Scale | 1.58 |
| 83 | | | | SD in | Original Scale | 69.92 | | | | SD | in Log Scale | 0.875 |
| 84 | | | 95% t l | JCL (Assu | mes normality) | 35.55 | | | | 95% | H-Stat UCL | 9.788 |
| 85 | | | DL/2 | is not a red | commended m | ethod, provi | ded for com | parisons an | d historical r | easons | | |
| 86 | | | | | | | | | | | | |
| 87 | | | | | Nonparam | etric Distribu | ition Free U | CL Statistics | 3 | | | |
| 88 | | | | Data do | not follow a D | iscernible D | istribution a | t 5% Signific | cance Level | | | |
| 89 | | | | | | | | | | | | |
| 90 | | | | | | | UCL to Use | • | | | | |
| 91 | | | 95 | 5% KM (Ch | ebyshev) UCL | 87.33 | | | | | | |
| 92 | | | | | | , IIO: | | | | | | |
| 93 | 1 | Note: Sugge | | | ection of a 959 | | | | | | ate 95% UCL | |
| 94 | | | | | dations are ba | | | | | | (2000 | |
| 95 | | | | | d upon the resu | | | | | | | |
| 96 | Но | wever, simu | ulations result | ts will not c | over all Real V | Vorld data se | ets; for additi | onal insight t | the user may | want to cons | ult a statistici | an. |
| 97 | | | | | | | | | | | | |

| | Α | В | С | D | Е | F | G | Н | I | J | K | L |
|----|-------------|----------------|---------------|------------------|--------------|---------------|--------------|---------------|---------------|------------------|-----------------|-----------|
| 1 | | | | | UCL Statis | tics for Data | Sets with N | Ion-Detects | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | User Selec | cted Options | | | | | | | | | |
| 4 | Dat | te/Time of Co | omputation | ProUCL 5.18 | /7/2021 10: | 37:01 AM | | | | | | |
| 5 | | | From File | Soil Vapor To | CNW.xls | | | | | | | |
| 6 | | Ful | I Precision | OFF | | | | | | | | |
| 7 | | Confidence | Coefficient | 95% | | | | | | | | |
| 8 | Number o | of Bootstrap (| Operations | 2000 | | | | | | | | |
| 9 | | | | | | | | | | | | |
| 10 | sec-Butylbe | enzene | | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | General | Statistics | | | | | |
| 13 | | | Total | Number of Ol | oservations | 40 | | | Number | of Distinct C | bservations | 2 |
| 14 | | | | Number | of Detects | 1 | | | | Number of I | Non-Detects | 39 |
| 15 | | | N | umber of Disti | nct Detects | 1 | | | Numbe | er of Distinct I | Non-Detects | 1 |
| 16 | | | | | | | | | | | <u>'</u> | |
| 17 | ' | Warning: On | ly one distin | ct data value | was detect | ed! ProUCL | (or any othe | r software) s | should not be | used on su | ch a data set | 1 |
| 18 | It is sugge | ested to use | alternative | site specific va | alues deter | mined by the | Project Tea | am to estima | te environm | ental parame | eters (e.g., El | PC, BTV). |
| 19 | | | | | | | | | | | | |
| 20 | | | | The data | a set for va | riable sec-Bı | utylbenzene | was not pro | cessed! | | | |
| 21 | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | |

| | Α | В | С | D | E | F | G | Н | I | J | K | L |
|----|------------|----------------|---------------|-----------------|--------------|----------------|--------------|---------------|--------------|------------------|-----------------|-----------|
| 1 | | | | | UCL Statis | tics for Data | Sets with N | on-Detects | | | | |
| 2 | | | | | | | | | | | | |
| 3 | | User Sele | cted Options | | | | | | | | | |
| 4 | Da | ate/Time of Co | omputation | ProUCL 5.18 | 3/7/2021 10: | 34:39 AM | | | | | | |
| 5 | | | From File | Metals in So | il TCNW.xls | | | | | | | |
| 6 | | Ful | II Precision | OFF | | | | | | | | |
| 7 | | Confidence | Coefficient | 95% | | | | | | | | |
| 8 | Number | of Bootstrap (| Operations | 2000 | | | | | | | | |
| 9 | | | | | | | | | | | | |
| 10 | Se | | | | | | | | | | | |
| 11 | | | | | | | | | | | | |
| 12 | | | | | | General | Statistics | | | | | |
| 13 | | | Total | Number of O | bservations | 57 | | | Numbe | r of Distinct C | bservations | 2 |
| 14 | | | | Numbe | r of Detects | 1 | | | | Number of I | Non-Detects | 56 |
| 15 | | | N | umber of Dist | inct Detects | 1 | | | Numbe | er of Distinct I | Non-Detects | 1 |
| 16 | | | | | | | | | | | | |
| 17 | | Warning: On | ly one distin | ct data value | was detecte | ed! ProUCL | (or any othe | r software) s | hould not be | e used on su | ch a data set | |
| 18 | It is sugg | jested to use | alternative | site specific v | alues deterr | mined by the | Project Tea | ım to estimat | te environm | ental parame | eters (e.g., Ef | PC, BTV). |
| 19 | | | | | | | | | | | | |
| 20 | | | | | The data se | t for variable | e Se was not | t processed! | | | | |
| 21 | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | |

| | А | В | С | D | E | F | G | Н | I | J | K | L |
|----------|-------------|---------------------------------------|------------------------------|---------------|----------------------------|---------------|---------------|------------------|------------|-----------------|----------------|-----------|
| 1 | | | | | UCL Statis | tics for Data | Sets with N | on-Detects | | | | |
| 2 | | 0.1 | | | | | | | | | | |
| 3 | Do | | ected Options Computation | | 18/7/2021 10: ₄ | 44.14 ANA | | | | | | |
| 4 | Da | te/Time of C | From File | Soil Vapor | | 44. 14 AIVI | | | | | | |
| 5 | | E. | ull Precision | OFF | T CINVV.XIS | | | | | | | |
| 6 | | | Coefficient | 95% | | | | | | | | |
| 7 | | | Operations | 2000 | | | | | | | | |
| 8 | - Trambor C | | Орегинопо | 2000 | | | | | | | | |
| 9 | Tetrachloro | ethene | | | | | | | | | | |
| 10 | | | | | | | | | | | | |
| 11 12 | | | | | | General | Statistics | | | | | |
| 13 | | | Total | Number of 0 | Observations | 40 | | | Numbe | r of Distinct C | Observations | 18 |
| 14 | | | | Numb | er of Detects | 25 | | | | Number of | Non-Detects | 15 |
| 15 | | | N | umber of Dis | tinct Detects | 18 | | | Numbe | er of Distinct | Non-Detects | 1 |
| 16 | | | | Min | imum Detect | 8 | | | | Minimum | n Non-Detect | 8 |
| 17 | | | | Max | imum Detect | 42 | | | | Maximum | n Non-Detect | 8 |
| 18 | | | | Varia | ance Detects | 103.9 | | | | Percent | Non-Detects | 37.5% |
| 19 | | | | N | lean Detects | 19.6 | | | | | SD Detects | 10.19 |
| 20 | | | | Me | dian Detects | 17 | | | | | CV Detects | 0.52 |
| 21 | | | | Skew | ness Detects | 0.674 | | | | Kurt | tosis Detects | -0.616 |
| 22 | | | | Mean of Log | gged Detects | 2.843 | | | | SD of Log | gged Detects | 0.532 |
| 23 | | | | | | | I | | | | | |
| 24 | | | | | Norm | nal GOF Tes | t on Detects | Only | | | - | - |
| 25 | | | S | Shapiro Wilk | Test Statistic | 0.911 | | | Shapiro W | ilk GOF Test | | |
| 26 | | | 5% S | hapiro Wilk (| Critical Value | 0.918 | Ι | Detected Da | | _ | ificance Leve | A |
| 27 | | | | | Test Statistic | 0.162 | | | | GOF Test | | |
| 28 | | | 5 | | Critical Value | 0.173 | | | | mal at 5% Sig | gnificance Lev | /el |
| 29 | | | | Detected | Data appear | Approximat | e Normal at | 5% Signification | ance Level | | | |
| 30 | | | | | | | | | | | | |
| 31 | | | Kaplan- | Meier (KM) | Statistics usi | | ritical Value | s and other | | | | |
| 32 | | | | | KM Mean | 15.25 | | | KI | | rror of Mean | 1.564 |
| 33 | | | | | KM SD | 9.69 | | | | | I (BCA) UCL | 17.65 |
| 34 | | | | | 6 KM (t) UCL | 17.88 | | | • | Percentile Boo | | 17.85 |
| 35 | | | | | KM (z) UCL | 17.82 | | | | 95% KM Boo | · | 18.28 |
| 36 | | | | | ebyshev UCL | 19.94 | | | | 95% KM Che | • | 22.07 |
| 37 | | | 97 | .5% KIVI CHE | ebyshev UCL | 25.01 | | | | 99% KM Che | bysnev UCL | 30.81 |
| 38 | | | | | Gamma GOF | Tests on De | stacted Ohea | anvatione Or | alv | | | |
| 39 | | | | | Test Statistic | 0.464 | Tiecieu Obse | | | rling GOF Te | | |
| 40 | | | | | | 0.749 | Detected | | | _ | 5% Significan | ce I evel |
| 41 | | 5% A-D Critical Va K-S Test Statis | | | | | Delection | | | -Smirnov GO | | |
| 42 | | 5% K-S Critical Val | | | | | Detected | | - | | 5% Significan | ce Level |
| 43 | | Detected data app | | | | | | | | | | |
| 44 | | | | | | | | | | | | |
| 45 | | | | | Gamma | Statistics or | Detected D | ata Only | | | | |
| 46 47 | | | | | k hat (MLE) | | | | k | star (bias cor | rrected MLE) | 3.485 |
| 47 | | | | The | eta hat (MLE) | | | | | star (bias cor | , | 5.624 |
| 49 | | | | | nu hat (MLE) | | | | | ` | as corrected) | 174.2 |
| 50 | | | | | ean (detects) | 19.6 | | | | ` | , | |
| ΟU | | | | | , | | | | | | | |

| | Α | В | С | | | D | | Е | | F | G | | Н | | I | | | J | \Box | | K | | L |
|----|------------------------------|---------------------------|-------------|---------|---------|--------|---------|-----------|----------|-------|----------|--------|-----------|-------|--------|--------|---------|-----------|--------|---------|---------|-------|-------|
| 51 | Commo POS | | | | | | | | | | | | | | | | | | | | | | |
| 52 | | | | | | | | | | | | • | | | | | | | | | | | |
| 53 | | | | | | | | | | | | | any tied | | | | | | | | | | |
| 54 | | GROS ma | ıy not be ι | | | | | | | | | | - | | | | | | (e.g | j., < | 15-20) | | |
| 55 | | | | For | r such | | | | | | | | ct values | | | nd B | 3TVs | | | | | | |
| 56 | | | | | | | | - | - | | | - | size is | | | | | | | | | | |
| 57 | | For ga | ımma dist | tribute | ed de | tected | | | | | y be co | mput | ed using | gam | ma dis | stribu | ution | on KM | esti | mat | | | |
| 58 | | | | | | | | /linimum | | 01 | | | | | | | | | | | Mean | | 2.91 |
| 59 | | | | | | | M | aximum | | | | | | | | | | | | N | /ledian | | 9.5 |
| 60 | | | | | | | | SE | | 1.92 | | | | | | | | | | | CV | | 0.923 |
| 61 | | | | | | | | at (MLE | ′ | .464 | | | | | | | | (bias c | | | | | 0.446 |
| 62 | | | | | | | | at (MLE | ′ | 7.83 | | | | | TI | heta | | (bias c | | | | | 8.96 |
| 63 | | | | | | | | at (MLE | ′ | 7.12 | | | | | | | nı | ı star (b | oias | corr | ected) | 3 | 5.67 |
| 64 | | | | | | | | ance (β | - | 044 | | | | | | | | | | | | | |
| 65 | | | proximate | | - | | - | | - | | | | | | - | | | uare Va | | | | | 2.62 |
| 66 | | 95% Gamm | a Approxi | imate | ∍ UCL | _ (use | when | n>=50 |) 20 | 0.02 | | | 95% | Gar | nma A | djus | ted l | JCL (us | se w | hen | n<50) | 20 | 0.36 |
| 67 | | | | | | | | | | | | | | | | | | | | | | | |
| 68 | | | | | | E | | | | | meters | using | KM Est | imate | es | | | | | | | | |
| 69 | | | | | | | | an (KM | - | 5.25 | | | | | | | | | | | O (KM) | | 9.69 |
| 70 | | | | | | V | | ce (KM | | 3.89 | | | | | | | | SE | | | n (KM) | | 1.564 |
| 71 | | | | | | | | nat (KM | , | .477 | | | | | | | | | | | ır (KM) | | 2.308 |
| 72 | | | | | | | | nat (KM | | | | | | | | | | | | | ır (KM) | | 4.6 |
| 73 | | theta ha | | | | | • | ′ | .157 | | | | | | | | | | | ır (KM) | | 5.608 | |
| 74 | | 80% gamma percentile | | | | | • | | 2.45 | | | | | | | | ımma p | | | | | 8.69 | |
| 75 | | 95% gamma percentile | | | | | | ile (KM |) 34 | 1.59 | | | | | | 999 | % ga | mma p | erce | entile | ∋ (KM) | 4 | 7.58 |
| 76 | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | | | | | | | | | | | eier (Kl | M) Sta | atistics | | | | | | | | | | |
| 78 | | | roximate | | • | | • | | | | | | | | • | | • | are Val | , | ` | , | | 3.2 |
| 79 | 95% | 6 Gamma Ap | proximat | te KM | 1-UCL | _ (use | when | n>=50 |) 18 | 3.26 | | | 95% Ga | mma | Adjus | ted l | KM-l | JCL (us | se w | hen | n<50) | 18 | 8.38 |
| 80 | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | etected | l Obs | ervation | | | | | | | | | | |
| 82 | | | | | | | | Statistic | | .937 | | | | | | | | OF Te | | | | | |
| 83 | | | 5 | i% Sh | | | | al Value | | .918 | | Dete | ected Da | ta ap | • | | | | | nific | ance L | _evel | |
| 84 | | | | | | | | Statistic | | .125 | | | | | | | | F Test | | | | | |
| 85 | | | | 5% | % Lilli | | | al Value | | .173 | | | ected Da | | • | .ogno | orma | al at 5% | Sig | nific | ance L | _evel | |
| 86 | | | | | | Det | ected | Data a | ppear | Logno | rmal at | 5% S | ignificar | nce L | .evel | | | | | | | | |
| 87 | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | | | | | | | | | | | Using I | mpute | ed Non-[| Detec | cts | | | | | | | | |
| 89 | | | | | | | | al Scale | | 1.07 | | | | | | | | | | | Scale | | 2.342 |
| 90 | | | | | | | | al Scale | | 0.83 | | | | | | | | | | _ | Scale | |).813 |
| 91 | | 95% t | UCL (ass | | | | | | ′ | 6.95 | | | | | 9 | 95% | | entile E | | | - | | 6.92 |
| 92 | 95% BCA Bootstrap V | | | | | | | 7.1 | | | | | | | | 95% Bo | oots | trap | t UCL | 1 | 7.42 | | |
| 93 | 95% H-UCL (Log RC | | | | | g ROS |) 19 | 9.3 | | | | | | | | | | | | | | | |
| 94 | Statistics using KM estimate | | | | | | | | | | | | | | | | | | | | | | |
| 95 | | | S | Statis | tics u | | | | | | Data an | d Ass | suming L | .ogn | ormal | Distr | ributi | | | | | | |
| 96 | | | | | | | | (logged | - | .557 | | | | | | | | | | | Mean | | 2.89 |
| 97 | | | | | | | | (logged | - | .553 | | | | | 9 | 95% | | cal H V | | • | | | 1.963 |
| 98 | | | KM Sta | andar | d Erro | | | | - | 0893 | | | | | | | | 5% H-L | | ` | | | 7.88 |
| | | KM SD (lo | | | | | (loaaed |) 0 | .553 | | | | | | 35% | Criti | cal H V | عابيد | (1/8 | 41 001 | . 1 | 1.963 | |
| 99 | | KM Standard Error of Mean | | | | | | | - | 0893 | | | | | | | <u></u> | | aiuc | ÷ (KI | vi-Log) | Ш. | |

| | Α | В | С | D | Е | F | G | Н | I | J | K | L |
|-----|---|-------------|-------------------|----------------|----------------|-----------------|-------------------|-----------------|---------------|---------------|-------------------|-------|
| 101 | | | | | | | | | | | | |
| 102 | | | | | | DL/2 S | Statistics | | | | | |
| 103 | | | DL/2 | Normal | | | | | DL/2 Log-1 | Transformed | İ | |
| 104 | | | | Mean in C | riginal Scale | 13.75 | | | | Mean | in Log Scale | 2.297 |
| 105 | | | | SD in C | riginal Scale | 11.07 | | | | SD | in Log Scale | 0.827 |
| 106 | | | 95% t l | JCL (Assum | es normality) | 16.7 | | | | 95% | 6 H-Stat UCL | 18.78 |
| 107 | DL/2 is not a recommended method, provided for comparisons and historical reasons | | | | | | | | | | | |
| 108 | | | | | | | | | | | | |
| 109 | Nonpreparation Distribution Eron LICE Statistics | | | | | | | | | | | |
| 110 | Detected Data appear Approximate Normal Distributed at 5% Significance Level | | | | | | | | | | | |
| 111 | | | | | | | | | | | | |
| 112 | | | | | | Suggested | UCL to Use | | | | | |
| 113 | | | | 95% | 6 KM (t) UCL | 17.88 | | | | | | |
| 114 | | | | | | | | | | | | |
| 115 | | | When a d | lata set follo | ws an approx | imate (e.g., | normal) distr | ibution passi | ng one of the | e GOF test | | |
| 116 | | When app | olicable, it is s | suggested to | use a UCL b | ased upon a | distribution (| (e.g., gamma |) passing bo | oth GOF test | s in ProUCL | |
| 117 | | | | | | | | | | | | |
| 118 | | Note: Sugge | stions regard | ling the sele | ction of a 95% | 6 UCL are p | rovided to he | lp the user to | select the n | nost appropr | iate 95% UCL | |
| 119 | | | F | Recommend | ations are bas | sed upon da | ta size, data | distribution, a | and skewnes | SS. | | |
| 120 | | These reco | mmendations | are based | upon the resu | ilts of the sir | nulation stud | ies summariz | ed in Singh, | , Maichle, an | d Lee (2006). | |
| 121 | Но | wever, simu | ılations result | s will not co | ver all Real W | orld data se | ets; for addition | onal insight th | ne user may | want to cons | sult a statistici | an. |
| 122 | | | | | | | | | | | | |

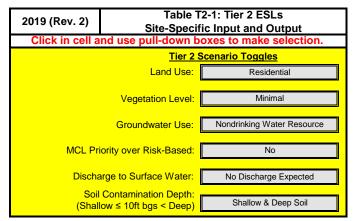
| | Α | В | С | D | Е | F | G | Н | I | J | K | L |
|----|------------|--------------------|--------------|-----------------|---------------|----------------|---------------|--------------|--------------|----------------|----------------|---------|
| 1 | | | | | UCL Statis | tics for Data | Sets with N | on-Detects | | | | |
| 2 | | | | T | | | | | | | | |
| 3 | | | cted Options | | | | | | | | | |
| 4 | Dat | te/Time of C | <u> </u> | ProUCL 5.18 | | 44:37 AM | | | | | | |
| 5 | | | From File | Soil Vapor To | CNW.xls | | | | | | | |
| 6 | | | II Precision | OFF | | | | | | | | |
| 7 | | Confidence | | 95% | | | | | | | | |
| 8 | Number c | of Bootstrap | Operations | 2000 | | | | | | | | |
| 9 | - . | | | | | | | | | | | |
| 10 | Toluene | | | | | | | | | | | |
| 11 | | | | | | Gonoral | Statistics | | | | | |
| 12 | | | Total | Number of O | hearvations | 40 | Statistics | | Numbo | of Distinct (| Observations | 8 |
| 13 | | | Total | | r of Detects | 7 | | | Nullibe | | Non-Detects | 33 |
| 14 | | | Nı | umber of Disti | | 7 | | | Numbe | | Non-Detects | 1 |
| 15 | | | | | num Detect | - | | | Numbe | | Non-Detect | 8 |
| 16 | | | | | num Detect | - | | | | | Non-Detect | 8 |
| 17 | | | | | nce Detects | | | | | | Non-Detects | 82.5% |
| 18 | | | | | ean Detects | 619.6 | | | | . 0.00110 | SD Detects | 1583 |
| 19 | | | | | ian Detects | 16 | | | | | CV Detects | 2.555 |
| 20 | | | | | ess Detects | 2.645 | | | | Kurt | tosis Detects | 6.999 |
| 21 | | | | Mean of Logo | ged Detects | 3.719 | | | | | ged Detects | 2.085 |
| 23 | | | | | | | | | | | | |
| 24 | | | | | Norm | nal GOF Tes | t on Detects | Only | | | | |
| 25 | | | S | hapiro Wilk T | est Statistic | 0.459 | | | Shapiro Wi | lk GOF Test | <u> </u> | |
| 26 | | | 5% SI | napiro Wilk Cı | ritical Value | 0.803 | [| Detected Da | ta Not Norma | al at 5% Sign | ificance Leve | ·I |
| 27 | | | | Lilliefors T | est Statistic | 0.499 | | | Lilliefors | GOF Test | | |
| 28 | | | 5 | % Lilliefors Ci | ritical Value | 0.304 | | Detected Da | ta Not Norma | al at 5% Sign | ificance Leve | l |
| 29 | | | | De | etected Data | a Not Norma | l at 5% Sign | ificance Lev | rel | | | |
| 30 | | | | | | | | | | | | |
| 31 | | | Kaplan-l | Meier (KM) S | tatistics usi | ng Normal C | ritical Value | s and other | Nonparamet | ric UCLs | | |
| 32 | | | | | KM Mean | 115 | | | KN | /I Standard E | rror of Mean | 112 |
| 33 | | | | | KM SD | 655.8 | | | | 95% KM | I (BCA) UCL | 326 |
| 34 | | | | 95% | KM (t) UCL | 303.7 | | | 95% KM (P | ercentile Bo | otstrap) UCL | 324.8 |
| 35 | | | | 95% I | KM (z) UCL | 299.2 | | | | 95% KM Boo | otstrap t UCL | 20591 |
| 36 | | | | 00% KM Cheb | • | | | | | | byshev UCL | 603.2 |
| 37 | | | 97 | .5% KM Cheb | yshev UCL | 814.4 | | | (| 99% KM Che | byshev UCL | 1229 |
| 38 | | | | | | | | | | | | |
| 39 | | | | | | | etected Obse | | • | | | |
| 40 | | | | | est Statistic | 1.712 0.799 | | | nderson-Da | | | |
| 41 | | 5% A-D Critical V | | | | | Detect | | | | % Significance | e Level |
| 42 | | K-S Test Stat | | | | | | | Colmogorov- | | | |
| 43 | | 5% K-S Critical Va | | | | | | | | tributed at 5% | % Significance | e Level |
| 44 | | | | Detected | d Data Not (| Jamma Dist | ributed at 5% | % Significan | ce Level | | | |
| 45 | | | | | 0 | 04-41-41 | D-4 15 | ata Cal | | | | |
| 46 | | | | | | | Detected D | ata Only | | - t (1 · | | 0.044 |
| 47 | | | | | k hat (MLE) | 0.26 | | | | , | rrected MLE) | 0.244 |
| 48 | | | | | a hat (MLE) | | | | I heta : | • | rrected MLE) | 2539 |
| 49 | | | | | u hat (MLE) | | | | | nu star (bia | as corrected) | 3.416 |
| 50 | | | | Mea | an (detects) | 619.6 | | | | | | |

| | Α | В | С | | D | | E | F | G | Н | | I | J | | K | L |
|-----|-------------------------------------|-----------------------------|-------------|---------|----------|---------|-----------|-------------------------------|--------------|--------------|---------|------------|--------------|----------|------------|---------|
| 51 | | | | | | | | | | | | | | | | |
| 52 | | | | | | | | Statistics u | | | | | | | | |
| 53 | | | | • | | | | et has > 50% | | - | | | | | | |
| 54 | | GROS ma | - | | | | | small such a | | | | | | I (e.g., | , <15-20) | |
| 55 | | | F | For su | | | | method may | | | | s and E | BTVs | | | |
| 56 | | | | | | | - | ially true whe | - | | | | | | | |
| 57 | | For ga | mma distrib | uted | detected | | | and UCLs ma | y be compu | ited using g | gamma | a distribi | ution on KM | 1 estim | | , |
| 58 | | | | | | | linimum | | | | | | | | Mean | 108.4 |
| 59 | | | | | | Ma | aximum | - | | | | | | | Median | 0.01 |
| 60 | | | | | | | SD | | | | | | | | CV | 6.135 |
| 61 | | | | | | | it (MLE) | | | | | | star (bias o | | | 0.112 |
| 62 | | | | | Th | | it (MLE) | | | | | Theta | star (bias | | | 966.7 |
| 63 | | | | | | | it (MLE) | | | | | | nu star (| bias c | orrected) | 8.973 |
| 64 | | | - | | | | ance (β) | | | | | | | | | |
| 65 | | | pproximate | | - | | | | | | | - | Chi Square | | | 3.183 |
| 66 | | 95% Gamm | a Approxim | ate U | CL (use | when | n>=50) | 293.9 | | 95% | Gamm | na Adjus | sted UCL (u | se wh | en n<50) | 305.7 |
| 67 | | | | | | | | | | | | | | | | |
| 68 | | | | | E | | | amma Para | meters usin | g KM Estir | mates | | | | | |
| 69 | | | | | | | an (KM) | | | | | | | | SD (KM) | 655.8 |
| 70 | | | | | \ | | . , | 430010 | | | | | SE | | ean (KM) | 112 |
| 71 | | | | | | | at (KM) | | | | | | | | star (KM) | 0.0451 |
| 72 | | | | | | | at (KM) | | | | | | | | star (KM) | 3.61 |
| 73 | | theta h | | | | | | | | | | | | | star (KM) | 2549 |
| 74 | | 80% gamma percent | | | | | | | | | | | % gamma ı | | | 152 |
| 75 | | | 95 | 5% ga | amma po | ercenti | ile (KM) | 586.9 | | | | 99 | % gamma ı | percer | ntile (KM) | 2603 |
| 76 | | | | | | | | | | | | | | | | |
| 77 | | | | | | | | na Kaplan-M | eier (KM) S | tatistics | | | | | | |
| 78 | | | pproximate | | • | • | , | | | | | • | Chi Square | | | 0.533 |
| 79 | 95 | 5% Gamma Ap | proximate l | KM-U | | | | | | | | | KM-UCL (u | se wh | en n<50) | 778.6 |
| 80 | | | | | 95% (| Gamma | a Adjust | ted KM-UCL | (use when l | <=1 and 1 | 5 < n < | < 50) | | | | |
| 81 | | | | | | | | | | | | | | | | |
| 82 | | | | | | _ | | OF Test on D | etected Ob | servations | | | | | | |
| 83 | | | | | | | Statistic | | | | | | /ilk GOF Te | | | |
| 84 | | | 5% | | | | al Value | | D | etected Da | | • | mal at 5% | Ū | cance Le | vel |
| 85 | | | | | | | Statistic | | | | | | GOF Test | | | |
| 86 | | | | 5% L | | | al Value | | | | | | mal at 5% | Signifi | cance Le | vel |
| 87 | | | | | D | etecte | d Data | Not Lognorr | nal at 5% Si | ignificance | Level | | | | | |
| 88 | | | | | | | | | | | | | | | | |
| 89 | | | | | | | | S Statistics | Using Impu | ted Non-De | etects | | | | | |
| 90 | | | | N | | - | al Scale | | | | | | | | og Scale | |
| 91 | | | | | | | al Scale | | | | | | | | og Scale | |
| 92 | 95% t UCL (assumes normality of ROS | | | | | | | | | | | 95% | Percentile | | | 318.8 |
| 93 | 95% BCA Bootstrap | | | | | | | | | | | | 95% B | Bootstr | ap t UCL | 13248 |
| 94 | | | | 95 | 5% H-U | CL (Lo | g ROS) | 2938285 | | | | | | | | |
| 95 | | | | | | | | | | | | | | | | |
| 96 | | | Sta | tistics | | | | on Logged | Data and As | ssuming Lo | ognorn | nal Dist | | | | , |
| 97 | | | | | | | logged) | | | | | | | | ieo Mean | |
| 98 | | | | | | | logged) | | | | | 95% | Critical H \ | | , | |
| 99 | | KM Standard Error of Mean (| | | | | | | | | | | | • | KM -Log) | 26.66 |
| 100 | | | | KI | ИSD (| logged) | 1.02 | 95% Critical H Value (KM-Log) | | | | | | | 2.431 | |

| | Α | В | С | D | Е | F | G | Н | I | J | K | L |
|-----|----|-------------|-----------------|----------------|---------------|-----------------|-------------------|----------------|-----------------|--------------|--------------------|-------|
| 101 | | | KM Standar | d Error of M | ean (logged) | 0.174 | | | | | | |
| 102 | | | | | | | • | | | | · | |
| 103 | | | | | | DL/2 S | tatistics | | | | | |
| 104 | | | DL/2 N | Normal | | | | | DL/2 Log- | Transformed | i | |
| 105 | | | | Mean in O | riginal Scale | 111.7 | | | | Mear | in Log Scale | 1.795 |
| 106 | | | | SD in O | riginal Scale | 664.7 | | | | SD | in Log Scale | 1.214 |
| 107 | | | 95% t L | JCL (Assume | es normality) | 288.8 | | | | 959 | % H-Stat UCL | 21.13 |
| 108 | | | DL/2 i | s not a reco | mmended m | ethod, provi | ded for com | parisons an | d historical re | easons | | |
| 109 | | | | | | | | | | | | |
| 110 | | | | | Nonparame | etric Distribu | tion Free U | CL Statistics | } | | | |
| 111 | | | | Data do n | ot follow a D | iscernible D | istribution a | t 5% Signific | ance Level | | | |
| 112 | | | | | | | | | | | | |
| 113 | | | | | | Suggested | UCL to Use |) | | | | |
| 114 | | | 97.5 | % KM (Cheb | yshev) UCL | 814.4 | | | | | | |
| 115 | | | | | | | | | | | | |
| 116 | 1 | Note: Sugge | estions regard | ing the selec | tion of a 95% | 6 UCL are p | ovided to he | lp the user to | select the n | nost appropi | riate 95% UCL. | = |
| 117 | | | R | Recommenda | tions are bas | sed upon da | ta size, data | distribution, | and skewnes | SS. | | |
| 118 | | These reco | ommendations | are based ι | ipon the resu | ılts of the sin | nulation stud | ies summari | zed in Singh, | Maichle, ar | nd Lee (2006). | |
| 119 | Но | wever, sim | ulations result | s will not cov | er all Real W | Vorld data se | ets; for addition | onal insight t | he user may | want to con | sult a statisticia | an. |
| 120 | | | | | | | | | | | | |

APPENDIX G

ESL Model Results Soil Vapor – Residential





| Select Site Contaminants: | Cont | Contaminant 1 | | minant 2 | Conta | Contaminant 3 | | minant 4 | Contaminant 5 | |
|----------------------------|---------|---------------|---------|----------|---------|---------------|---------|---------------------------|---------------|-------------|
| | В | enzene | Ethyl | benzene | Methyle | ne chloride | | iary butyl ether ITBE) | Naphtha | alene [PAH] |
| Tier 2 ESLs: | ESL | Basis | ESL | Basis | ESL | Basis | ESL | Basis | ESL | Basis |
| Soil (mg/kg): | 2.5E-02 | Leaching | 4.3E-01 | Leaching | 1.9E-01 | Leaching | 2.5E+00 | Leaching | 1.2E+00 | Leaching |
| Groundwater (μg/L): | 4.2E-01 | VI HHR | 3.5E+00 | VI HHR | 7.8E+00 | VI HHR | 4.5E+02 | VI HHR | 4.6E+00 | VI HHR |
| Subslab/ Soil Gas (μg/m³): | 3.2E+00 | VI HHR | 3.7E+01 | VI HHR | 3.4E+01 | VI HHR | 3.6E+02 | VI HHR | 2.8E+00 | VI HHR |
| Indoor Air (μg/m³): | 9.7E-02 | Dir Exp | 1.1E+00 | Dir Exp | 1.0E+00 | Dir Exp | 1.1E+01 | Dir Exp | 8.3E-02 | Dir Exp |

1 of 1

Note:

Groundwater depth is no longer a toggle for evaluating vapor intrusion. See the notes in Workbook Table GW-3 and the User's Guide Chapter 5 for further information.

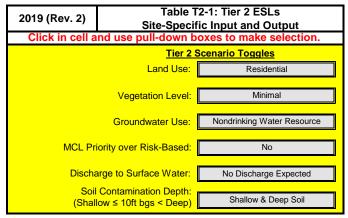


Environmental Screening Levels San Francisco Bay Regional Water Quality Control Board

| 2019 (Rev. 2) | Table T2-2: | Tier 2 – Site-Spe | d Calculator | Selected Site Scenario (from T2-1) | | |
|---|--------------------------------|----------------------------------|-----------------------------------|--|---------------------------------|---|
| | Enter Site Da | <mark>ta (Leave blank whe</mark> | en no data exits) | | | Land Use: Residential |
| Contaminant inputs from T2-1: | Contaminant 1 Benzene | Contaminant 2 Ethylbenzene | Contaminant 3 Methylene chloride | Contaminant 4 Methyl tertiary butyl ether (MTBE) | Contaminant 5 Naphthalene [PAH] | Vegetation Level: Minimal Groundwater Use: Resource MCL Priority vs Risk-Based: No |
| Soil Concentration (mg/kg) - dry weight: | | | | | | Discharge to Surface Water: No Discharge Expected Soil Contamination Depth: Shallow & Deep Soil |
| Groundwater Concentration (µg/L): | | | | | | Soil Contamination Depth. Shallow & Deep Soil |
| Subslab/ Soil Gas Concentration (µg/m³): | 1,558.00 | 2,730 | 10 | 121,000 | 5,810 | |
| Indoor Air Concentration (μg/m³): | | | | | | |
| | | Soil Gas | VI Attenuation Factor (| Use 0.03 for Screening): | 0.0300 | |
| Cancer Risk: | Benzene | Ethylbenzene | Methylene chloride | Methyl tertiary butyl ether (MTE | BE Naphthalene [PAH] | Cumulative Risk |
| Soil Exposure Risk: | | | | | | |
| Tapwater Exposure Risk: | | | | | | |
| Current* Vapor Intrusion Exposure Risk: Basis: | 4.8E-04 Subslab/Soil Gas VI | 7.3E-05 Subslab/Soil Gas VI | 3.0E-07 Subslab/Soil Gas VI | 3.4E-04 Subslab/Soil Gas VI | 2.1E-03 Subslab/Soil Gas VI | 3.0E-03 Subslab/Soil Gas VI |
| Future** Vapor Intrusion Exposure Risk: Basis: | 4.8E-04 Subslab/Soil Gas VI | 7.3E-05 Subslab/Soil Gas VI | 3.0E-07 Subslab/Soil Gas VI | 3.4E-04 Subslab/Soil Gas VI | 2.1E-03 Subslab/Soil Gas VI | 3.0E-03 Subslab/Soil Gas VI |
| | | | | | | |
| Noncancer Hazard: Soil Exposure Hazard: | Benzene | Ethylbenzene | Methylene chloride | Methyl tertiary butyl ether (MTE | BE Naphthalene [PAH] | Cumulative Hazard |
| Tap Water Exposure Hazard: | | | | | | |
| Current* Vapor Intrusion Exposure Hazard: Basis: | 1.5E+01 Subslab/Soil Gas VI | 7.9E-02 Subslab/Soil Gas VI | 7.2E-04 Subslab/Soil Gas VI | 1.2E+00 Subslab/Soil Gas VI | 5.6E+01 Subslab/Soil Gas VI | 7.2E+01 Subslab/Soil Gas VI |
| Future** Vapor Intrusion Exposure Hazard: Basis: | 1.5E+01 Subslab/Soil Gas VI | 7.9E-02 Subslab/Soil Gas VI | 7.2E-04 Subslab/Soil Gas VI | 1.2E+00 Subslab/Soil Gas VI | 5.6E+01 Subslab/Soil Gas VI | 7.2E+01 Subslab/Soil Gas VI |
| Notes: | | | | | | |
| NOTES: | | | | | | |

Cumulative cancer risk and noncancer hazard are not automatically calculated across pathways because exposure via multiple pathways typically is not simultaneous. This may be performed separately as part of a site-specific evaluation. See the User's Guide Section 3.3 (Addressing Cumulative Risk and Hazard).

- * Current (VI exposure to current occupants of existing buildings) Primarily based on indoor air data. See User's Guide Chapter 5 for further information. In the absence of indoor air data, subslab/soil gas or groundwater data is used to predict current indoor air concentrations. Subslab/soil gas data is given priority over groundwater data for current exposure calculations. The cumulative risk calculation follows the same hierarchy.
- ** Future (VI exposure to future occupants of existing or future buildings) Primarily based on subslab/soil gas data. See User's Guide Chapter 5 for further information. In the absence of subslab/soil gas data, groundwater data is used to predict future indoor air concentrations. The cumulative risk calculation follows the same hierarchy.





| Select Site Contaminants: | Conta | Contaminant 1 | | Contaminant 2 | | Contaminant 3 | | Contaminant 4 | | Contaminant 5 | |
|----------------------------|----------|----------------------|---------|---------------|---|---------------|-----------|---------------|----------|---------------|-------|
| | Petroleu | Petroleum - Gasoline | | oroethene | | T- | oluene | х | ylenes | | |
| Tier 2 ESLs: | ESL | Basis | ESL | Basis | | ESL | Basis | ESL | Basis | ESL | Basis |
| Soil (mg/kg): | 1.0E+02 | Odor/Nuis | 8.0E-02 | Leaching | 1 | .0E+01 | Leaching | 1.0E+01 | Leaching | #N/A | #N/A |
| Groundwater (μg/L): | 5.0E+03 | Odor/Nuis | 6.4E-01 | VI HHR | 4 | .0E+02 | Odor/Nuis | 3.9E+02 | VI HHR | #N/A | #N/A |
| Subslab/ Soil Gas (μg/m³): | 3.3E+03 | VI Odor/Nuis | 1.5E+01 | VI HHR | 1 | .0E+04 | VI HHR | 3.5E+03 | VI HHR | #N/A | #N/A |
| Indoor Air (μg/m³): | 1.0E+02 | Odor/Nuis | 4.6E-01 | Dir Exp | 3 | .1E+02 | Dir Exp | 1.0E+02 | Dir Exp | #N/A | #N/A |

Note:

Groundwater depth is no longer a toggle for evaluating vapor intrusion. See the notes in Workbook Table GW-3 and the User's Guide Chapter 5 for further information.



Environmental Screening Levels San Francisco Bay Regional Water Quality Control Board

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2019 (Rev. 2) Table T2-2: Tier 2 – Site-Specific Cumulative Risk and Hazard Calculator Enter Site Data (Leave blank when no data exits) Contaminant 1 Contaminant 2 **Contaminant 3** Contaminant 4 Contaminant 5 Toluene Contaminant inputs from T2-1: Petroleum - Gasoline Tetrachloroethene Xylenes Soil Concentration (mg/kg) - dry weight: Groundwater Concentration (µg/L): Subslab/ Soil Gas Concentration (µg/m³): 8,550,284.00 18 814 2,161 Indoor Air Concentration (µg/m³):

Selected Site Scenario (from T2-1)

Land Use: Residential

Vegetation Level: Minimal

Groundwater Use: Nondrinking Water Resource

MCL Priority vs Risk-Based: No

0.0300

Discharge to Surface Water: No Discharge Expected

Soil Contamination Depth: Shallow & Deep Soil

| Cancer Risk: | Petroleum - Gasoline | Tetrachloroethene | Toluene | Xylenes | 0.00 | Cumulative Risk |
|---|-------------------------|--------------------------------|-------------------------|-------------------------|------|--------------------------------|
| Soil Exposure Risk: | | | | | #N/A | #N/A |
| Tapwater Exposure Risk: | | | | | #N/A | #N/A |
| Current* Vapor Intrusion Exposure Risk: Basis: | Subslab/Soil Gas VI | 1.2E-06 Subslab/Soil Gas VI | Subslab/Soil Gas VI | Subslab/Soil Gas VI | | 1.2E-06 Subslab/Soil Gas VI |
| Future** Vapor Intrusion Exposure Risk: Basis: | Subslab/Soil Gas VI | 1.2E-06 Subslab/Soil Gas VI | Subslab/Soil Gas VI | Subslab/Soil Gas VI | | 1.2E-06 Subslab/Soil Gas VI |

Soil Gas VI Attenuation Factor (Use 0.03 for Screening):

| Noncancer Hazard: | Petroleum - Gasoline | Tetrachloroethene | Toluene | Xylenes | 0 | Cumulative Hazard |
|---|----------------------|---------------------|---------------------|---------------------|------|---------------------|
| Soil Exposure Hazard: | | | | | #N/A | #N/A |
| Tap Water Exposure Hazard: | | | | | #N/A | #N/A |
| Current* Vapor Intrusion Exposure Hazard: | 4.3E+02 | 1.3E-02 | 7.8E-02 | 6.2E-01 | | 4.3E+02 |
| Basis: | Subslab/Soil Gas VI | Subslab/Soil Gas VI | Subslab/Soil Gas VI | Subslab/Soil Gas VI | | Subslab/Soil Gas VI |
| Future** Vapor Intrusion Exposure Hazard: Basis: | 4.3E+02 | 1.3E-02 | 7.8E-02 | 6.2E-01 | | 4.3E+02 |
| Dd515. | Subslab/Soil Gas VI | Subslab/Soil Gas VI | Subslab/Soil Gas VI | Subslab/Soil Gas VI | | Subslab/Soil Gas VI |

Notes:

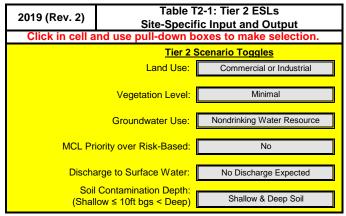
Cumulative cancer risk and noncancer hazard are not automatically calculated across pathways because exposure via multiple pathways typically is not simultaneous. This may be performed separately as part of a site-specific evaluation. See the User's Guide Section 3.3 (Addressing Cumulative Risk and Hazard).

- * Current (VI exposure to current occupants of existing buildings) Primarily based on indoor air data. See User's Guide Chapter 5 for further information. In the absence of indoor air data, subslab/soil gas or groundwater data is used to predict current indoor air concentrations.

 Subslab/soil gas data is given priority over groundwater data for current exposure calculations. The cumulative risk calculation follows the same hierarchy.
- ** Future (VI exposure to future occupants of existing or future buildings) Primarily based on subslab/soil gas data. See User's Guide Chapter 5 for further information. In the absence of subslab/soil gas data, groundwater data is used to predict future indoor air concentrations. The cumulative risk calculation follows the same hierarchy.

APPENDIX H

ESL Model Results Soil Vapor - Commercial





| Select Site Contaminants: | Contaminant 1 | | Contaminant 2 | | Contaminant 3 | | Contaminant 4 | | Contaminant 5 | |
|----------------------------|---------------|----------------------|---------------|--------------------|---------------|------------------------------------|---------------|-------------------|---------------|----------|
| | В | Benzene Ethylbenzene | | Methylene chloride | | Methyl tertiary butyl ether (MTBE) | | Naphthalene [PAH] | | |
| Tier 2 ESLs: | ESL | Basis | ESL | Basis | ESL | Basis | ESL | Basis | ESL | Basis |
| Soil (mg/kg): | 2.5E-02 | Leaching | 4.3E-01 | Leaching | 1.9E-01 | Leaching | 2.5E+00 | Leaching | 1.2E+00 | Leaching |
| Groundwater (μg/L): | 1.8E+00 | VI HHR | 1.5E+01 | VI HHR | 9.4E+01 | VI HHR | 1.8E+03 | Odor/Nuis | 2.0E+01 | VI HHR |
| Subslab/ Soil Gas (μg/m³): | 1.4E+01 | VI HHR | 1.6E+02 | VI HHR | 4.1E+02 | VI HHR | 1.6E+03 | VI HHR | 1.2E+01 | VI HHR |
| Indoor Air (μg/m³): | 4.2E-01 | Dir Exp | 4.9E+00 | Dir Exp | 1.2E+01 | Dir Exp | 4.7E+01 | Dir Exp | 3.6E-01 | Dir Exp |

1 of 1

Note:

Groundwater depth is no longer a toggle for evaluating vapor intrusion. See the notes in Workbook Table GW-3 and the User's Guide Chapter 5 for further information.



Environmental Screening Levels San Francisco Bay Regional Water Quality Control Board

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2019 (Rev. 2) Table T2-2: Tier 2 – Site-Specific Cumulative Risk and Hazard Calculator Enter Site Data (Leave blank when no data exits) Contaminant 1 Contaminant 2 **Contaminant 3** Contaminant 4 Contaminant 5 Methyl tertiary butyl Naphthalene [PAH] Contaminant inputs from T2-1: Benzene Ethylbenzene Methylene chloride ether (MTBE) Soil Concentration (mg/kg) - dry weight: Groundwater Concentration (µg/L): Subslab/ Soil Gas Concentration (µg/m³): 1,558.00 2,730 121,000 5,810 10 Indoor Air Concentration (µg/m³):

Selected Site Scenario (from T2-1)

Land Use: Commercial or Industrial

Vegetation Level: Minimal

Groundwater Use: Nondrinking Water Resource

MCL Priority vs Risk-Based: No

Discharge to Surface Water: No Discharge Expected

Soil Contamination Depth: Shallow & Deep Soil

| Cancer Risk: | Benzene | Ethylbenzene | Methylene chloride | Methyl tertiary butyl ether (MTBE | Naphthalene [PAH] | Cumulative Risk |
|---|--------------------------------|--------------------------------|--------------------------------|-----------------------------------|--------------------------------|--------------------------------|
| Soil Exposure Risk: | | | | | | |
| Tapwater Exposure Risk: | | | | | | |
| Current* Vapor Intrusion Exposure Risk: Basis: | 1.1E-04 Subslab/Soil Gas VI | 1.7E-05 Subslab/Soil Gas VI | 2.5E-08 Subslab/Soil Gas VI | 7.7E-05 Subslab/Soil Gas VI | 4.8E-04 Subslab/Soil Gas VI | 6.9E-04 Subslab/Soil Gas VI |
| Future** Vapor Intrusion Exposure Risk: Basis: | 1.1E-04 Subslab/Soil Gas VI | 1.7E-05 Subslab/Soil Gas VI | 2.5E-08 Subslab/Soil Gas VI | 7.7E-05 Subslab/Soil Gas VI | 4.8E-04 Subslab/Soil Gas VI | 6.9E-04 Subslab/Soil Gas VI |

Soil Gas VI Attenuation Factor (Use 0.03 for Screening):

0.0300

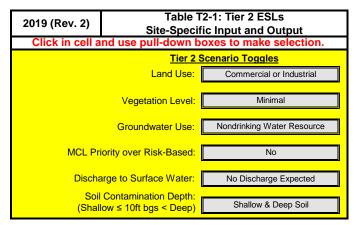
| Noncancer Hazard: | Benzene | Ethylbenzene | Methylene chloride / | lethyl tertiary butyl ether (MTBE | Naphthalene [PAH] | Cumulative Hazard |
|---|--------------------------------|--------------------------------|--------------------------------|-----------------------------------|--------------------------------|--------------------------------|
| Soil Exposure Hazard: | | | | | | |
| Tap Water Exposure Hazard: | | | | | | |
| Current* Vapor Intrusion Exposure Hazard: Basis: | 3.6E+00 Subslab/Soil Gas VI | 1.9E-02 Subslab/Soil Gas VI | 1.7E-04 Subslab/Soil Gas VI | 2.8E-01 Subslab/Soil Gas VI | 1.3E+01 Subslab/Soil Gas VI | 1.7E+01 Subslab/Soil Gas VI |
| Future** Vapor Intrusion Exposure Hazard: Basis: | 3.6E+00 Subslab/Soil Gas VI | 1.9E-02 Subslab/Soil Gas VI | 1.7E-04 Subslab/Soil Gas VI | 2.8E-01 Subslab/Soil Gas VI | 1.3E+01 Subslab/Soil Gas VI | 1.7E+01 Subslab/Soil Gas VI |

Notes:

Cumulative cancer risk and noncancer hazard are not automatically calculated across pathways because exposure via multiple pathways typically is not simultaneous. This may be performed separately as part of a site-specific evaluation. See the User's Guide Section 3.3 (Addressing Cumulative Risk and Hazard).

- * Current (VI exposure to current occupants of existing buildings) Primarily based on indoor air data. See User's Guide Chapter 5 for further information. In the absence of indoor air data, subslab/soil gas or groundwater data is used to predict current indoor air concentrations.

 Subslab/soil gas data is given priority over groundwater data for current exposure calculations. The cumulative risk calculation follows the same hierarchy.
- ** Future (VI exposure to future occupants of existing or future buildings) Primarily based on subslab/soil gas data. See User's Guide Chapter 5 for further information.
- In the absence of subslab/soil gas data, groundwater data is used to predict future indoor air concentrations. The cumulative risk calculation follows the same hierarchy.





| Select Site Contaminants: | Cor | Contaminant 1 | | Contaminant 2 | | Contaminant 3 | | Contaminant 4 | | Contaminant 5 | |
|----------------------------|---------|---------------------|-------------------|---------------|---------|---------------|---------|---------------|------|---------------|--|
| | Petrol | eum - Gasoline | Tetrachloroethene | | Toluene | | Xylenes | | | | |
| Tier 2 ESLs: | ESL | Basis | ESL | Basis | ESL | Basis | ESL | Basis | ESL | Basis | |
| Soil (mg/kg): | 1.2E+02 | Terrestrial Habitat | 8.0E-02 | Leaching | 1.0E+01 | Leaching | 1.0E+01 | Leaching | #N/A | #N/A | |
| Groundwater (μg/L): | 5.0E+03 | Odor/Nuis | 2.8E+00 | VI HHR | 4.0E+02 | Odor/Nuis | 1.6E+03 | VI HHR | #N/A | #N/A | |
| Subslab/ Soil Gas (μg/m³): | 3.3E+03 | VI Odor/Nuis | 6.7E+01 | VI HHR | 4.4E+04 | VI HHR | 1.5E+04 | VI HHR | #N/A | #N/A | |
| Indoor Air (μg/m³): | 1.0E+02 | Odor/Nuis | 2.0E+00 | Dir Exp | 1.3E+03 | Dir Exp | 4.4E+02 | Dir Exp | #N/A | #N/A | |

1 of 1

Note:

Groundwater depth is no longer a toggle for evaluating vapor intrusion. See the notes in Workbook Table GW-3 and the User's Guide Chapter 5 for further information.



Environmental Screening Levels San Francisco Bay Regional Water Quality Control Board

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2019 (Rev. 2) Table T2-2: Tier 2 – Site-Specific Cumulative Risk and Hazard Calculator Enter Site Data (Leave blank when no data exits) Contaminant 1 Contaminant 2 **Contaminant 3** Contaminant 4 Contaminant 5 Toluene Contaminant inputs from T2-1: Petroleum - Gasoline Tetrachloroethene Xylenes Soil Concentration (mg/kg) - dry weight: Groundwater Concentration (µg/L): Subslab/ Soil Gas Concentration (µg/m³): 8,550,284.00 18 814 2,161 Indoor Air Concentration (µg/m³): Soil Gas VI Attenuation Factor (Use 0.03 for Screening): 0.0300

Selected Site Scenario (from T2-1)

Land Use: Commercial or Industrial

Vegetation Level: Minimal

Groundwater Use: Nondrinking Water Resource

MCL Priority vs Risk-Based: No

Discharge to Surface Water: No Discharge Expected

Soil Contamination Depth: Shallow & Deep Soil

| Cancer Risk: | Petroleum - Gasoline | Tetrachloroethene | Toluene | Xylenes | 0.00 | Cumulative Risk |
|---|-------------------------|--------------------------------|-------------------------|-------------------------|------|--------------------------------|
| Soil Exposure Risk: | | | | | #N/A | #N/A |
| Tapwater Exposure Risk: | | | | | #N/A | #N/A |
| Current* Vapor Intrusion Exposure Risk: Basis: | Subslab/Soil Gas VI | 2.7E-07 Subslab/Soil Gas VI | Subslab/Soil Gas VI | Subslab/Soil Gas VI | | 2.7E-07 Subslab/Soil Gas VI |
| Future** Vapor Intrusion Exposure Risk: Basis: | Subslab/Soil Gas VI | 2.7E-07 Subslab/Soil Gas VI | Subslab/Soil Gas VI | Subslab/Soil Gas VI | | 2.7E-07 Subslab/Soil Gas VI |

| Ī | Noncancer Hazard: | Petroleum - Gasoline | Tetrachloroethene | Toluene | Xylenes | 0 | Cumulative Hazard |
|---|---|----------------------|---------------------|---------------------|---------------------|------|---------------------|
| | Soil Exposure Hazard: | | | | | #N/A | #N/A |
| | Tap Water Exposure Hazard: | | | | | #N/A | #N/A |
| | Current* Vapor Intrusion Exposure Hazard: | | 3.1E-03 | 1.9E-02 | 1.5E-01 | | 1.0E+02 |
| | Basis: | Subslab/Soil Gas VI | Subslab/Soil Gas VI | Subslab/Soil Gas VI | Subslab/Soil Gas VI | | Subslab/Soil Gas VI |
| | Future** Vapor Intrusion Exposure Hazard: | 1.0E+02 | 3.1E-03 | 1.9E-02 | 1.5E-01 | | 1.0E+02 |
| | Basis: | Subslab/Soil Gas VI | Subslab/Soil Gas VI | Subslab/Soil Gas VI | Subslab/Soil Gas VI | | Subslab/Soil Gas VI |

Notes:

Cumulative cancer risk and noncancer hazard are not automatically calculated across pathways because exposure via multiple pathways typically is not simultaneous. This may be performed separately as part of a site-specific evaluation. See the User's Guide Section 3.3 (Addressing Cumulative Risk and Hazard).

- * Current (VI exposure to current occupants of existing buildings) Primarily based on indoor air data. See User's Guide Chapter 5 for further information. In the absence of indoor air data, subslab/soil gas or groundwater data is used to predict current indoor air concentrations.
- Subslab/soil gas data is given priority over groundwater data for current exposure calculations. The cumulative risk calculation follows the same hierarchy.

 ** Future (VI exposure to future occupants of existing or future buildings) Primarily based on subslab/soil gas data. See User's Guide Chapter 5 for further information.
- ** Future (VI exposure to future occupants of existing or future buildings) Primarily based on subslab/soil gas data. See User's Guide Chapter 5 for further information. In the absence of subslab/soil gas data, groundwater data is used to predict future indoor air concentrations. The cumulative risk calculation follows the same hierarchy.

APPENDIX I VURAM

Virginia Department of Environmental Quality



Virginia Unified Risk Assessment Model

VERSION: 2.2

Construction Worker Quantitative Risk Assessment Report

Site Name: Town Center Northwest Signal Hill CA

Program: Voluntary Remediation Program

1

Total Hazard Index/Risk for All Media

Non-Cancer Adult Cancer

Total: 4.04E+00 Total: 9.18E-07

Exceeds Hazard Index! does not exceed cumulative risk

Risk Based Performance Criteria

Default Hazard Index Default Cumulative Risk-All Chemicals

1.00E-04

All Report Pages are Required for Risk Assessment Submission
DETAILED REPORT FOLLOWS

Construction Site Name: Town Center Northwest Signal Hill CA

Voluntary Remediation Program Program:

Risk Based Performance Criteria

Default Risk Individual Chemical **Default Hazard Index Default Cumulative Risk-All Chemicals**

1.00E-06 1 1.00E-04

Air

Analyte: Benzene 71-43-2 CAS:

Concentration ug/m3: 1.56E+03

RfDo: RfCi: 8.00E-02

SFO:

IUR: 7.80E-06

Mutagen:

VOC: Υ

% Contribution to Media Risk 0.51%

Calculated Hazard Quotient/Risk

Non-Cancer Adult Cancer

Ingestion: Ingestion: Dermal: Dermal:

Inhalation: Inhalation: 2.08E-02 1.78E-07 Total: 2.08E-02 Total: 1.78E-07

19.35%

Analyte: Butylbenzene, n-

CAS: 104-51-8

Concentration ug/m3: 6.49E+02

RfDo:

RfCi: SFO: IUR:

Mutagen: VOC: Υ

Calculated Hazard Quotient/Risk

Non-Cancer Adult Cancer

Ingestion: Ingestion: Dermal: Dermal: Inhalation: Inhalation:

Total: 0.00E+00 Total: 0.00E+00

0.00% 0.00% % Contribution to Media Risk

Analyte: Butylbenzene, sec-

CAS: 135-98-8

Concentration ug/m3: 2.38E+03

RfDo:

RfCi: SFO: IUR: Mutagen:

VOC: Υ

Dermal: Inhalation:

Calculated Hazard Quotient/Risk

Non-Cancer Adult Cancer

Ingestion: Ingestion: Dermal: Inhalation:

Total: 0.00E+00 Total: 0.00E+00

% Contribution to Media Risk 0.00% 0.00%

Program: Voluntary Remediation Program

Risk Based Performance Criteria

Default Hazard Index Default Risk Individual Chemical Default Cumulative Risk-All Chemicals

Calculated Hazard Quotient/Risk

Calculated Hazard Quotient/Risk

Calculated Hazard Quotient/Risk

Cancer

Cancer

Cancer

0.00E+00

0.00E+00

0.00E+00

Ingestion:

Inhalation:

Ingestion:

Inhalation:

Ingestion:

Inhalation:

Dermal:

Total:

Dermal:

Total:

Dermal:

Total:

1 1.00E-06 1.00E-04

Air

IUR:

Analyte: Cumene CAS: 98-82-8

Concentration ug/m3: 4.29E+03

RfDo:

RfCi: 9.00E-02 SFO:

Mutagen:

VOC: Y

% Contribution to Media Risk 0.85% 0.00%

Non-Cancer Adult

Non-Cancer Adult

3.43E-02

3.43E-02

Ingestion:

Inhalation:

Ingestion:

Inhalation:

Ingestion:

Inhalation:

Dermal:

Total:

Dermal:

Total:

Dermal:

Total:

Analyte: Dichloroethylene, 1,2-cis-

CAS: 156-59-2

Concentration ug/m3: 5.10E+01

RfDo:

RfCi:
SFO:
IUR:

Mutagen:

VOC: Y

% Contribution to Media Risk 0.00% 0.00%

Non-Cancer Adult

0.00E+00

Analyte: Diisopropyl Ether

CAS: 108-20-3

Concentration ug/m3: 4.78E+03

RfDo:

RfCi: 7.00E-01

SFO: IUR:

Mutagen:

VOC: Y

% Contribution to Media Risk 0.13% 0.00%

5.33E-03

5.33E-03

Saturday, August 7, 2021 CHANGE Page 3 of 11

Construction Site Name: Town Center Northwest Signal Hill CA

Program: **Voluntary Remediation Program**

Risk Based Performance Criteria

Default Hazard Index Default Risk Individual Chemical **Default Cumulative Risk-All Chemicals**

1.00E-06 1 1.00E-04

Air

Analyte: Ethylbenzene

CAS: 100-41-4

Concentration ug/m3: 2.73E+03 RfDo: RfCi: 9.00E+00 SFO: IUR: 2.50E-06 Mutagen: VOC: Υ

Calculated Hazard Quotient/Risk

Non-Cancer Adult Cancer

Ingestion: Ingestion: Dermal: Dermal:

Inhalation: Inhalation: 2.48E-04 7.63E-08

Total: Total: 2.48E-04 7.63E-08

0.01% 8.31% % Contribution to Media Risk

Analyte: isopropyltoluene

CAS: 99-87-6

Concentration ug/m3: 3.21E+02 RfDo: RfCi: 9.00E-02 SFO: IUR: Mutagen:

VOC:

Calculated Hazard Quotient/Risk

Non-Cancer Adult Cancer

Ingestion: Ingestion: Dermal: Dermal: Inhalation: 2.38E-03 Inhalation:

Total: 2.38E-03 Total: 0.00E+00

% Contribution to Media Risk 0.00% 0.06%

Analyte: Methyl tert-Butyl Ether (MTBE)

Υ

CAS: 1634-04-4

Concentration ug/m3: 1.21E+05 RfDo: RfCi: 2.52E+00 SFO: IUR: 2.60E-07 Mutagen:

VOC: Υ Calculated Hazard Quotient/Risk

Non-Cancer Adult Cancer

Ingestion: Ingestion: Dermal: Dermal:

Inhalation: Inhalation: 4.30E-02 3.87E-07 Total: 4.30E-02 Total: 3.87E-07

1.06% 42.11% % Contribution to Media Risk

Program: Voluntary Remediation Program

Risk Based Performance Criteria

Default Hazard Index Default Risk Individual Chemical Default Cumulative Risk-All Chemicals

1 1.00E-06 1.00E-04

Air

Analyte: Methylene Chloride

CAS: 75-09-2

| 1.01E+01 |
|----------|
| |
| 1.04E+00 |
| |
| 1.00E-08 |
| Υ |
| Υ |
| |

Calculated Hazard Quotient/Risk

Non-Cancer Adult Cancer

Ingestion: Ingestion:

Dermal: Dermal:

 Inhalation:
 1.15E-05
 Inhalation:
 1.64E-12

 Total:
 1.15E-05
 Total:
 1.64E-12

% Contribution to Media Risk 0.00% 0.00%

Analyte: Naphthalene

CAS: 91-20-3

| Concentration ug/m3: | 8.26E+02 |
|----------------------|----------|
| RfDo: | |
| RfCi: | 3.00E-03 |
| SFO: | |
| IUR: | 3.40E-05 |
| Mutagen: | |
| VOC: | Υ |

Calculated Hazard Quotient/Risk

Non-Cancer Adult Cancer Ingestion: Ingestion:

Dermal: Dermal:

Inhalation: 1.99E-01 Inhalation: 2.77E-07

Mutagen: 1.99E-01 Total: 2.77E-07

% Contribution to Media Risk 4.92% 30.22%

Analyte: Propyl benzene

CAS: 103-65-1

Concentration ug/m3: 5.81E+03
RfDo:
RfCi: 1.00E+00
SFO:
IUR:
Mutagen:
VOC: Y

Calculated Hazard Quotient/Risk

Non-Cancer Adult Cancer

Ingestion: Ingestion:

Dermal: Dermal:

Inhalation: 4.17E-03 Inhalation:

Total: 4.17E-03 Total: 0.00E+00

% Contribution to Media Risk 0.10% 0.00%

Program: Voluntary Remediation Program

Risk Based Performance Criteria

Default Hazard Index Default Risk Individual Chemical Default Cumulative Risk-All Chemicals

1 1.00E-06 1.00E-04

Air

Analyte: Tetrachloroethylene

CAS: 127-18-4

Concentration ug/m3: 1.79E+01
RfDo:
RfCi: 4.00E-02
SFO:
IUR: 2.60E-07
Mutagen:
VOC: Y

Calculated Hazard Quotient/Risk

Non-Cancer Adult Cancer

Ingestion: Ingestion:

Dermal: Dermal:

Inhalation: 2.69E-04 Inhalation: 3.83E-11

Total: 2.69E-04 Total: 3.83E-11

% Contribution to Media Risk 0.01% 0.00%

Analyte: Toluene CAS: 108-88-3

Concentration ug/m3: 8.14E+02
RfDo:
RfCi: 5.00E+00
SFO:
IUR:
Mutagen:

Calculated Hazard Quotient/Risk

Non-Cancer Adult Cancer

Ingestion: Ingestion:

Dermal: Dermal:

Inhalation: 1.51E-04 Inhalation:

Total: 1.51E-04 Total: 0.00E+00

% Contribution to Media Risk 0.00% 0.00%

Analyte: Total Petroleum Hydrocarbons (Aliphatic Low)

Υ

CAS: E1790666

VOC:

Concentration ug/m3: 8.55E+06
RfDo:
RfCi: 2.00E+00
SFO:
IUR:

Mutagen: VOC: Y Calculated Hazard Quotient/Risk

Non-Cancer Adult Cancer

Ingestion: Ingestion:

Dermal: Dermal:

Inhalation: 3.73E+00 Inhalation:

Total: 3.73E+00 Total: 0.00E+00

% Contribution to Media Risk 92.24% 0.00%

Exceeds Hazard!

Program: Voluntary Remediation Program

Risk Based Performance Criteria

Default Hazard Index Default Risk Individual Chemical Default Cumulative Risk-All Chemicals

1 1.00E-06 1.00E-04

Air

Analyte: Xylenes CAS: 1330-20-7

Concentration ug/m3: 2.16E+03

RfDo:

RfCi: 4.00E-01 SFO:

SFO: IUR: Mutagen:

VOC: Y

Calculated Hazard Quotient/Risk

Non-Cancer Adult Cancer

Ingestion: Ingestion:

Dermal: Dermal:
Inhalation: 4.41E-03 Inhalation:

Total: 4.41E-03 Total: 0.00E+00

% Contribution to Media Risk 0.11% 0.00%

Total Calculated Hazard Index/Risk For Media: Air

Non-Cancer Adult Cancer Ingestion: 0.00E+00Ingestion: 0.00E+00 Dermal: 0.00E+00 Dermal: 0.00E+00 Inhalation: Inhalation: 4.04E+00 9.18E-07 Total: 4.04E+00 Total: 9.18E-07

Program: Voluntary Remediation Program

Risk Based Performance Criteria

Default Hazard Index Default Risk Individual Chemical Default Cumulative Risk-All Chemicals

1 1.00E-06 1.00E-04

Total Hazard Index/Risk for All Media

Non-Cancer Adult Cancer

Ingestion: 0.00E+00 Ingestion: 0.00E+00 Dermal: 0.00E+00 Dermal: 0.00E+00 Inhalation: 4.04E+00 Inhalation: 9.18E-07 Total: 4.04E+00 Total: 9.18E-07

Exceeds Hazard Index! does not exceed cumulative risk

Program: Voluntary Remediation Program

Risk Based Performance Criteria

Default Hazard Index Default Risk Individual Chemical Default Cumulative Risk-All Chemicals
1 1.00E-06 1.00E-04

Construction Exposure Default Values

| Symbol | Description | Value | Units |
|----------|--|-------------------|-------------|
| A | Construction Worker Soil Inhalation Dispersion Constant - Virginia DEQ | 14.0111 | (unitless) |
| AFcw | Construction Worker Soil Adherence Factor | 0.3 | (mg/cm2) |
| As | Areal extent of the site or contamination | 0.5 | (acres) |
| ATcw | Construction Worker Averaging Time: 365 x LT | 25550 | (days) |
| ATcw-a | Construction Worker Averaging Time: EWcw x 7 x EDcw | 350 | (days) |
| В | Construction Worker Soil Inhalation Dispersion Constant - Virginia DEQ | 19.6154 | (unitless) |
| BWcw | Construction Worker Body Weight | 80 | (kg) |
| С | Construction Worker Soil Inhalation Dispersion Constant - Virginia DEQ | 225.3397 | (unitless) |
| DWcw | Construction Worker Days Worked | 5 | (days/week) |
| EDcw | Construction Worker Exposure Duration | 1 | (yrs) |
| EFcw | Construction Worker Exposure Frequency | 250 | (days/yrs) |
| EFcw-vrp | Construction Worker Soil Exposure Frequency - VRP ONLY - Virginia DEQ | 125 | (days/yr) |
| ETcw | Construction Worker Exposure Time | 8 | (hrs/day) |
| EWcw | Construction Worker Weeks Worked | 50 | (weeks/yr) |
| F(x) | Function Dependent on 0.886 × (Ut/Um) | 0.194 | (unitless) |
| Fd | Dispersion Correction Factor | 0.185 | (unitless) |
| IRcw | Construction Worker Soil Ingestion Rate | 330 | (mg/day) |
| n | Total soil porosity: 1-(ρb/ρs) | 0.433962264150943 | (unitless) |
| PEFsc | Particulate Emission Factor Subchronic - Virginia DEQ calculated | 1266503136.97919 | (m3/kg) |
| RfCsc | Subchronic Inhalation Reference Concentration | | (mg/m3) |
| RfDosc | Subchronic Oral Reference Dose | | (mg/kg-day) |
| SAcw | Construction Worker Surface Area | 3527 | (cm2/day) |
| Тс | Total time over which construction occurs: EDcw*EWcw*7days/wk*24hrs/day*3600s/hr | 30240000 | (s) |

Construction

Site Name: Town Center Northwest Signal Hill CA

Voluntary Remediation Program
Risk Based Performance Criteria Program:

Default Hazard Index

Default Risk Individual Chemical

Default Cumulative Risk-All Chemicals

1

1.00E-06 1.00E-04

| TR-ACH | Trench Air Changes per Hour - Virginia DEQ | 2 | (h)-1 |
|-----------|---|----------|----------------|
| | | | |
| TR-ACvad | Trench Advection Coefficient Groundwater greater than 15ft - Virginia DEQ | 0.25 | (cm3/cm3) |
| TR-D-dir | Trench Depth - groundwater less Than 15ft - Virginia DEQ | 2.44 | (m) |
| TR-D-ind | Trench Depth - groundwater greater than 15ft - Virginia DEQ | 4.57 | (m) |
| TR-Dsg | Trench - Depth to soil gas vapor source - Virginia DEQ | 1 | (cm) |
| TR-EFcw | Trench Construction Worker Exposure Frequency - Virginia DEQ | 125 | (days/yr) |
| TR-ETcw | Trench Construction Worker Exposure Time - Virginia DEQ | 4 | (hrs/day) |
| TR-EVcw | Trench Construction Worker Events - Virginia DEQ | 1 | (events/day) |
| TR-F | Trench Fraction of floor through which contaminant can enter - Virginia DEQ | 1 | (unitless) |
| TR-HV | Trench Thickness of Vadose Zone - groundwater greater than 15 ft - Virginia DEQ | 30 | (cm) |
| TR-IRcw | Trench Construction Worker Groundwater Ingestion Rate - Virginia DEQ | 0.02 | (L/day) |
| TR-KGH2O | Trench Gas-phase mass transfer coefficient of water vapor at 25deg C - Virginia DEQ | 0.833 | (cm/s) |
| TR-KLO2 | Trench Liquid-phase mass transfer coefficient of oxygen at 25deg C - Virginia DEQ | 0.002 | (cm/s) |
| TR-L | Trench Length - Virginia DEQ | 2.44 | (m) |
| TR-Lgw | Trench Depth to groundwater - Virginia DEQ | 488 | (cm) |
| TR-MWH2O | Trench Molecular Weight of Water - Virginia DEQ | 18 | (unitless) |
| TR-MWO2 | Trench Molecular Weight of Oxygen - Virginia DEQ | 32 | (unitless) |
| TR-Porvad | Trench Porosity in Vadose Zone - groundwater greater than 15ft - Virginia DEQ | 0.44 | (cm3/cm3) |
| TR-R | Trench Ideal Gas Constant - Virginia DEQ | 0.000082 | (atm-m3/mol-K) |
| TR-Temp-F | Trench Temperature Fahrenheit - Virginia DEQ | 77 | (F) |
| TR-Temp-K | Trench Temperature - Virginia DEQ | 298 | (K) |
| TR-W | Trench Width - Virginia DEQ | 0.91 | (m) |
| TR-W/D | Trench Width to Depth Ratio - Virginia DEQ | 0.38 | (unitless) |
| Um | Mean Annual Wind Speed | 4.69 | (m/s) |
| Ut | Equivalent Threshold Value of Wind Speed at 7m | 11.32 | (m/s) |
| V | V Fraction of Vegetative Cover | 0.5 | (unitless) |

Construction Site Name: Town Center Northwest Signal Hill CA

Voluntary Remediation Program
Risk Based Performance Criteria Program:

Default Risk Individual Chemical Default Hazard Index **Default Cumulative Risk-All Chemicals**

1.00E-06 1 1.00E-04

| Θа | Air filled soil porosity: n-Ow | 0.133962264150943 | (unitless) |
|----|--------------------------------|-------------------|------------|
| Θw | Water filled soil porosity | 0.3 | (unitless) |
| ρb | Dry soil bulk density | 1.5 | (kg/L) |
| ρς | Soil particle density | 2.65 | (kg/L) |

END OF REPORT

CHANGE

APPENDIX J

LeadSpread Model

CALIFORNIA DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Click here for ABBREVIATED INSTRUCTIONS FOR LEADSPREAD 8

| INPUT | |
|--------------------------------------|-------|
| MEDIUM | LEVEL |
| Lead in Soil/Dust (ug/g) | 61.0 |
| Respirable Dust (ug/m ³) | 1.5 |

| EXPOSURE PARAMETERS | | | | |
|-------------------------------------|---------------------|----------|--|--|
| | units | children | | |
| Days per week | days/wk | 7 | | |
| Geometric Standard Deviation | | 1.6 | | |
| Blood lead level of concern (ug/dl) | | 1 | | |
| Skin area, residential | cm ² | 2900 | | |
| Soil adherence | ug/cm ² | 200 | | |
| Dermal uptake constant | (ug/dl)/(ug/day | 0.0001 | | |
| Soil ingestion | mg/day | 100 | | |
| Soil ingestion, pica | mg/day | 200 | | |
| Ingestion constant | (ug/dl)/(ug/day | 0.16 | | |
| Bioavailability | unitless | 0.44 | | |
| Breathing rate | m ³ /day | 6.8 | | |
| Inhalation constant | (ug/dl)/(ug/day | 0.192 | | |

| OUTPUT | | | | | | |
|---|------|------|------|------|--------|--------|
| Percentile Estimate of Blood Pb (ug/dl) | | | | | PRG-90 | |
| | 50th | 90th | 95th | 98th | 99th | (ug/g) |
| BLOOD Pb, CHILD | 0.4 | 8.0 | 0.9 | 1.1 | 1.3 | 77 |
| BLOOD Pb, PICA CHILD | 0.9 | 1.6 | 1.9 | 2.3 | 2.6 | 39 |

| PATHWAYS | | | | | | |
|----------------|----------------------|-------|---------|----------------------|-------|---------|
| CHILDREN | typical | | | with pica | | |
| | Pathway contribution | | | Pathway contribution | | |
| Pathway | PEF | ug/dl | percent | PEF | ug/dl | percent |
| Soil Contact | 5.8E-5 | 0.00 | 1% | | 0.00 | 0% |
| Soil Ingestion | 7.0E-3 | 0.43 | 99% | 1.4E-2 | 0.86 | 100% |
| Inhalation | 2.0E-6 | 0.00 | 0% | | 0.00 | 0% |

Click here for REFERENCES

MODIFIED VERSION OF USEPA ADULT LEAD MODEL

CALCULATIONS OF BLOOD LEAD CONCENTRATIONS (PbBs) AND PRELMIINARY REMEDIATION GOAL (PRG)

EDIT RED CELL

| Variable | Description of Variable | Units | |
|-----------------------------|---|------------------|-------|
| PbS | Soil lead concentration | ug/g or ppm | 61 |
| R _{fetal/maternal} | Fetal/maternal PbB ratio | | 0.9 |
| BKSF | Biokinetic Slope Factor | ug/dL per ug/day | 0.4 |
| GSD _i | Geometric standard deviation PbB | | 1.8 |
| PbB ₀ | Baseline PbB | ug/dL | 0.0 |
| IR _S | Soil ingestion rate (including soil-derived indoor dust) | g/day | 0.050 |
| AF _{S, D} | Absorption fraction (same for soil and dust) | - | 0.12 |
| EF _{S, D} | Exposure frequency (same for soil and dust) | days/yr | 250 |
| AT _{S, D} | Averaging time (same for soil and dust) | days/yr | 365 |
| PbB _{adult} | PbB of adult worker, geometric mean | ug/dL | 0.1 |
| PbB _{fetal, 0.90} | 90th percentile PbB among fetuses of adult workers | ug/dL | 0.2 |
| PbB _t | Target PbB level of concern (e.g., 10 ug/dL) | ug/dL | 1.0 |
| $P(PbB_{fetal} > PbB_{t})$ | Probability that fetal PbB > PbB _t , assuming lognormal distribution | % | 0.0% |

PRG90

318

Click here for REFERENCES



Review of Human Health Risk Assessment by OEHHA, Town Center Northwest

OFFICE OF ENVIRONMENTAL HEALTH HAZARD ASSESSMENT

Gavin Newsom, Governor Jared Blumenfeld, Secretary for Environmental Protection Lauren Zeise, Ph.D., Director



MEMORANDUM

TO: Elise McCaleb,

City of Signal Hill 2175 Cherry Avenue Signal Hill, CA 90755

FROM: Jim Carlisle, DVM

Staff Toxicologist

Air and Site Assessment and Climate Indicators Branch Office of Environmental Health Hazard Assessment

DATE: August 26, 2021

SUBJECT: HUMAN HEALTH RISK ASSESSMENT, TOWN CENTER NORTHWEST,

SIGNAL HILL, CALIFORNIA **OEHHA # 830168-00**

Document Reviewed

Human Health Risk Assessment, Northeast Corner E. Willow St. and Walnut Avenue, Town Center Northwest, Signal Hill, California, prepared by: Mearns Consulting, LLC, dated August 11, 2021

Site Description and Background

The 8.35-acre site has been an oil field since 1928. There are 19 wells and associated infrastructure on-site.

Adjacent properties include oilfields, commercial/industrial businesses, and multifamily residences.

Chemicals of Potential Concern (COPCs)

COPCs included all detected volatile organic compounds (VOCs), petroleum hydrocarbons (TPH), and semi-volatile organic compounds (SVOCs).

All detected metals were deemed to be within local background levels. The maximum detected arsenic concentration (20 mg/kg) exceeded the DTSC (2020) upper tolerance limit (12 mg/kg), but this single elevated value (among 56 samples) may not pose a significant threat to the health of future site occupants.

Conceptual Site Model

Mearns evaluated potential exposure for current commercial workers, future residents, and construction workers (including trench workers).

Soil exposure pathways including ingestion, dermal contact, and inhalation, were evaluated for all three groups.

Inhalation exposure to contaminants in soil gas was evaluated indoors for residents and commercial workers, and outdoors for construction (trench) workers.

Exposure parameters were based on DTSC (2019).

Exposure point concentrations (EPCs)

Soil EPCs were the 95% upper confidence limit (UCL) of the mean when this statistic could be calculated, otherwise the maximum detected concentration was used as the soil EPC.

Soil gas EPCs were the UCL when Pro-UCL was able to calculate a reliable UCL, otherwise the maximum detected concentration was used as the EPC.

OEHHA typically recommends point-by-point results for single-family residences. However, UCLs may be more realistic for multi-family housing.

Risk Assessment

Mearns' estimated risks and hazard indices (HI) are summarized as follows:

| Exposure scenario | Risk | Hazard index |
|---------------------|--------|--------------|
| Resident | 3.0E-3 | 506 |
| Commercial worker | 6.9E-4 | 117 |
| Construction worker | 2.0E-6 | 6 |

All risks and hazard indices except the construction worker risk exceeded typical thresholds. OEHHA agrees with these estimates.

The risk drivers for residents were naphthalene, benzene, and methyl tert-butyl ether (MTBE) in soil gas and n-nitroso di-n-propylamine and 2,6-dinitrotoluene in soil. The hazard drivers were gasoline range organics, benzene, and naphthalene in soil gas and C13-C22 hydrocarbons in soil.

The risk drivers for commercial workers were naphthalene, benzene, and methyl tert-butyl ether (MTBE) in soil gas. The hazard drivers were gasoline range organics, benzene, and naphthalene in soil gas.

Elise McCaleb August 26, 2021 Page 3

The hazard drivers for construction workers were C4-C12 and C13-C22 hydrocarbons in soil and gasoline range organics in soil gas.

Risk and Hazard Mitigation

Mearns proposes installing a vapor barrier with a passive subsurface depressurization system to mitigate vapor intrusion. OEHHA recommends that care be used to ensure that preferential pathways connecting soil gas to occupied portions of the building are not created during construction. Indoor air sampling after construction of the new building and prior to being occupied by the tenants would help to determine whether indoor air is clean.

Mearns proposes a soil management plan to deal with discolored or odiferous soils discovered during excavation and grading. OEHHA recommends that soil contamination in excess of risk and hazard thresholds be addressed prior to excavation and grading.

Conclusions

All risks and hazard indices except the construction worker risk exceeded typical thresholds. OEHHA agrees with these estimates.

Given these exceedances, OEHHA agrees that soil and soil vapor remediation and/or mitigation will be needed for all scenarios.

Reviewed by

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References

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

DTSC 2019. Human Health Risk Assessment (HHRA) Note. HERO Note #1. Recommended DTSC Default Exposure Factors for Use in Risk Assessment at California Hazardous Waste Sites and Permitted Facilities. April 9.