PHASE II ENVIRONMENTAL SITE ASSESSMENT

Sunset Property – 1911 to 1931 Sunset Boulevard
Los Angeles, California

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CERTIFICATION

All geologic information, conclusions, and recommendations in this document have been prepared under the supervision of and reviewed by a Northgate California Professional Geologist.



February 15, 2019

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1.0 INTRODUCTION

This report presents the results of a Phase II Environmental Site Assessment (ESA) performed by Northgate Environmental Management, Inc. (Northgate) for Wactor & Wick LLP (Wactor & Wick) on behalf of its client Holland Partner Group, at Sunset Property located at 1911 to 1931 Sunset Boulevard in Los Angeles, California (the Site). The Site consists of approximately 0.95 acres of land located north of Sunset Boulevard and south of Reservoir Street. The Site is occupied by two single-story structures occupied by a restaurant and a medical clinic with surface parking. The Site is identified as Assessor's Parcel Numbers (APNs) 5404-001-007, -008, and -034 in Los Angeles County. A Site Vicinity Map is shown on Figure 1 and a Site Plan is shown on Figure 2.

1.1 Objectives

The primary objective of the Phase II ESA was to assess the potential presence of soil and soil vapor quality impacts related to issues of environmental concern identified in a Phase I ESA prepared for the Site by EFI Global dated November 7, 2018 (EFI, 2018), and to provide a set of analytical data for soil characterization purposes.

1.2 Scope of Services

The scope of work included the following:

- Site walk to mark the proposed boring locations, and notification to DigAlert for underground utility clearance;
- Preparing a Health and Safety Plan (HASP);
- Advancing six borings to depths of 15 to 28 feet below ground surface (bgs) for the collection of soil and soil vapor samples at the Site;
- Analyzing 27 selected soil samples for total petroleum hydrocarbons as gasoline (TPH-g), total petroleum hydrocarbons as carbon chain (TPH-cc), volatile organic compounds (VOCs) and Title 22 metals, 24 soil samples for semi-volatile organic compounds (SVOCs), 18 soil samples for polychlorinated biphenyls (PCBs) and organochlorine pesticides (OCPs), and six soil samples for asbestos;
- Installing three temporary soil vapor sample probes at depths of 5 or 10 feet bgs for the collection and analysis of soil vapor samples for VOCs; and
- Preparing this report.

2.0 BACKGROUND

2.1 Site Description

The Site consists of approximately 0.95-acres of land located at 1911 to 1931 Sunset Boulevard in the City of Los Angeles, California. The Site consists of three parcels identified as APNs 5404-001-007, -008, and -034 in Los Angeles County. The Site is currently developed with two single-story structures occupied by a restaurant and a medical clinic with surface parking. A Site Vicinity Map is shown on Figure 1 and a Site Plan is shown on Figure 2.

2.2 Site History

Northgate has reviewed a Phase I ESA for the Site prepared by EFI Global, dated November 7, 2018. The results of the investigation indicated that the Site was originally developed with residential structures on the northern portion of the Site and both residential and commercial structures on the southern portion of the Site. The southern portion of the Site was previously occupied by a laundry facility from at least 1939 to 1942. This structure was then utilized as a liquor store and subsequently demolished in 1968. The surrounding area is used for commercial and residential purposes.

2.3 Regional and Local Geology and Groundwater

The Site is located in the Transverse Ranges Geomorphic Province of Los Angeles County, and includes the Santa Monica Mountains. The Elysian Hills are located to the north and northwest of the Site. Subsurface soils in the Site vicinity have been reported to predominantly include silts and clays with some layers of sandy silt and sandy clay. The area is underlain by bedrock from the Puente Formation at depths of approximately 34 to 42 feet bgs. Groundwater in the Site vicinity has been encountered at depths of approximately 10 to 15 feet bgs. Groundwater flow is reported towards the southeast towards Echo Park Lake (TRC, 2017). Groundwater was not encountered during this investigation in borings advanced to 28 feet bgs.

3.0 INVESTIGATION METHODS

Northgate conducted soil, groundwater, and soil vapor sampling at the Site on December 17 and 18, 2017. Sampling locations are shown on Figure 3. Field investigation procedures are summarized in Appendix A.

3.1 Pre-Field Activities

Northgate conducted a walk-through of the Site to mark proposed sampling locations and secure access. Other pre-field activities included the specific tasks outlined below.

3.1.1 Health and Safety Plan

Northgate prepared a Site-specific HASP for the Phase II ESA. The HASP was prepared in accordance with Occupational Safety and Health Administration (OSHA) regulations as specified in Title 29 of the Federal Code of Regulations, Section 1910.120. The HASP addressed physical, chemical, and biological hazards associated with typical subsurface investigations of this nature, specified the appropriate means to mitigate or control these hazards, and delineated general safety procedures to be followed while conducting field investigations at the Site.

3.1.2 Clearance of Underground Utilities

Underground Service Alert (USA) was notified at least 48 hours prior to the start of drilling activities, as required by law in order to avoid potential damages to underground utilities in the vicinity of the boring locations. In addition, a geophysical survey was conducted to locate and mark underground utilities and evaluate for potential presence of underground storage tanks (USTs) in the sidewalk as well as product piping, other metal objects, and buried structures associated with the Site to further reduce potential risk of damaging underground utilities by drilling. The geophysical survey (attached as Appendix B) showed that the boring locations and sidewalks were "clear" of any subgrade features and that no anomalies such as tanks, piping, other metal objects and buried structures were noted on the Site or sidewalks that bordered the Site.

3.2 Soil Sampling and Analysis

Six borings (B1 through B6) were advanced across the Site using a GeoProbe® Rig operated by Strongarm Environmental Field Services, Inc. with supervision from Northgate. The total drilled depths ranged from 15 to 28 feet bgs. Refusal was encountered at borings B1, B5, and B6 at

depths of 28, 17, and 15 feet bgs, respectively. Groundwater was not encountered in any of the borings. Boring locations are shown in Figure 3.

Soil samples were collected at 1, 5, 10, and 15 feet bgs in all borings. In addition, samples were collected at 17 feet bgs in boring B5 and at 20 and 25 feet bgs in boring B1. During sampling, continuous cores of subsurface materials were collected in clear acetate liners. Upon removing the sampler from the borehole, the acetate liner containing the soil core was opened at various intervals, and soils were visually inspected and screened with a PID for the possible presence of contamination. Borings were logged in the field in accordance with the Unified Soil Classification System (USCS). Copies of the boring logs are provided in Appendix C.

Sample intervals selected for non-volatile chemical analysis were cut from the liners, sealed with Teflon tape and plastic caps. Samples collected for TPH-g/cc and VOC analysis were collected in accordance with Environmental Protection Agency (EPA) Method 5035 protocols using Encore® (or equivalent) samplers. Samples collected for TPH-g/cc and VOC analysis were collected using a Lock^{n}Load^{TM} sampler and preserved in ethanol and sodium bisulfate in volatile organic analysis (VOA) vials in accordance with EPA Method 5035. After collection, all samples were labeled, packaged, and placed on ice in a cooler maintained at 4° Celsius as temporary storage prior to delivery to the laboratory under proper chain-of-custody protocol.

After the sampling was completed, the borings without soil vapor probes (SVPs) were backfilled with neat cement grout to just below the surface and a concrete plug was placed at the surface to match existing conditions. Soil sampling methodology is further described in Appendix A.

Soil samples were submitted to SunStar Laboratories, Inc. (SunStar), a State of California certified laboratory located in Lake Forest, California, for analytical services. Soil samples were analyzed for TPH-g/cc using EPA Method 8015M, VOCs using EPA Method 8260B, Title 22 metals using EPA Method 6010B/7470/7471, SVOCs using EPA Method 8270C, PCBs using EPA Method 8082, and OCPs using EPA Method 8081A. The one-foot sample from each boring was also analyzed for asbestos using polarized light microscopy (PLM).

3.3 Groundwater Sampling

No groundwater samples were collected as groundwater was not encountered in maximum drilled depth of 28 feet bgs.

3.4 Soil Vapor Survey

Three temporary SVPs were installed in three of the eight borings across the Site. SVP1 through SVP3 were installed in borings B1 through B3, respectively. The SVPs were set to a depth of

5 feet bgs except for SVP2 which was set to 10 feet bgs. The SVPs were installed using 2-1/4 inch inside-diameter hollow drill rods. The probe consisted of a 3/8" x 9" Stone PolyPro vapor probe implant with 1/4-inch Speed Fit. Nylaflow tubing (3/16 inch diameter) attached to the implant was lowered to target installation depth and terminated a few feet above the ground surface for connection to sampling equipment. The borehole annulus around the implant and tubing was filled through the drill rods with sand 6 inches below and above the implant, followed by 6 inches of dry bentonite, and then hydrated bentonite chips to the ground surface.

The SVP locations are described below:

- SVP1 was installed at a depths of 5 feet bgs in boring B1 at the location of the former laundry facility in the southern portion of the Site;
- SVP2 was installed at a depth of 10 feet bgs in boring B2 at the location of the former laundry facility in the southern portion of the Site; and
- SVP3 was installed at a depth of 5 feet bgs in boring B3 in the southern portion of the property close to Reservoir Street.

After installation, each SVP was allowed to stabilize for a minimum of two hours prior to obtaining soil vapor samples from temporary probe in accordance with California Department of Toxic Substances Control (DTSC) guidance. After performing a shut-in test of tubing connections at the surface, each probe was purged of approximately three well-volumes of air using an SKC 210 "pocket pump" air sample pump with flow rate set at 200 milliliters per minute (ml/min). A vapor sample was then collected from each probe using a 1-lLiter summa canister and flow regulator that maintained a flow rate of 150 ml/min. During sample collection, a rag soaked with isopropyl alcohol was exposed to air near the SVP location for leak check and verification of the integrity of SVPs. Samples were submitted to SunStar for analysis of VOCs using EPA Method TO-15.

Following completion of soil vapor sampling, the borings were abandoned by removing the vapor tubing, and backfilling with neat cement grout to just below the surface and placing a concrete plug to match existing surface conditions. Soil vapor sampling methodology is further described in Appendix A.

3.5 Data Evaluation Criteria

Chemical test results from soil samples collected during this investigation were evaluated using the Regional Screening Levels (RSLs) established by the United States Environmental Protection Agency (EPA) Region 9 and the modified Screening Levels (SLs) established by the Department of Toxic Substances Control (DTSC). The EPA RSLs and DTSC SLs are health-based exposure

concentrations to chemicals of concern in both residential and commercial land use. The RSLs and SLs are not regulatory action levels or cleanup standards.

Soil samples analyzed for TPH were also evaluated using the Los Angeles County Regional Water Quality Control Board (LARWQCB) TPH Maximum Soil Screening Level (SSL). LARWQCB screening levels are used to evaluate the potential threat to groundwater and were calculated based on the LARWQCB Interim Site Assessment and Cleanup Guidebook procedures by applying attenuation factors, calculated based upon both distance above groundwater and the soil type(s), to establish California Maximum Contaminant Levels (MCLs), the State primary drinking water standard established under Title 22 of the California Code of Regulations. The LARWQCB SSLs were calculated for varying soil sample depths based on their varying distance above groundwater. The LARWQCB utilizes the SSLs as guidance to close investigations of petroleum and VOC impacted sites (LARWQCB, 1996).

The presence of a chemical at a concentration above these standards does not necessarily indicate that adverse impacts to human health or the environment are present, but rather, indicate that a potential for adverse risk may exist and that additional evaluation may be warranted. However, in general practice, the absence of chemical constituents above these screening levels generally indicates that the Site is suitable for its intended use.

Soil vapor sample test results are compared to EPA RSLs and DTSC SLs for residential and commercial land use. The RSLs and SLs have been developed for indoor air concentrations; therefore, RSLs and SLs for soil vapor were calculated using an attenuation factor. A non-Site specific, conservative attenuation factor of 0.002 was applied to the RSLs and SLs for residential indoor air, and a conservative attenuation factor of 0.001 was applied to the RSLs and SLs for commercial indoor air to develop calculated SLs for soil vapor. The attenuation factors were derived from the DTSC *Final Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (Vapor Intrusion Guidance)* (DTSC, 2001). It should be noted that the attenuation factors utilized for residential and commercial land use are typically for soil vapor at shallow depths of approximately 5 feet bgs; therefore, the calculated screening criteria are considered conservative for deeper soil vapor sample depths. It should also be noted that the current attenuation factors are scheduled to be revised in late 2019 and the new attenuation factors are expected to be lower, resulting in lower screening levels.

4.0 INVESTIGATION RESULTS

4.1 Subsurface Conditions

Drilling locations across the Site were covered with approximately three inches of asphalt. Subsurface soils encountered during drilling generally consisted of silt and clay with trace amounts of fine sand locally to maximum explored depth of 28 feet bgs. Groundwater was not encountered during drilling to maximum explored depth of 28 feet bgs. Boring locations are shown on Figure 3 and boring logs are provided in Appendix C.

4.2 Analytical Results

Laboratory analytical results for soil samples analyzed during this investigation are presented in Table 1 (TPH), Table 2 (VOCs, SVOCs, PCBs, OCPs, and asbestos), Table 3 (Title 22 metals), and Table 4 (STLC and TCLP). Laboratory analytical results for soil vapor samples are summarized in Table 5. Copies of the laboratory analytical reports are provided in Appendix D. Analytical results are discussed in the following sections.

4.2.1 Soil Analytical Results

As shown in Table 1, total petroleum hydrocarbons as gasoline (TPH-g) and total petroleum hydrocarbons as diesel (TPH-d) were not detected in the 27 samples analyzed. Total petroleum hydrocarbons as motor oil (TPH-mo) were reported in nine shallow samples from each boring across the Site (at depths ranging from 1 to 20 feet bgs) at concentrations ranging from 27 to 880 milligrams per kilogram (mg/kg), which are all below the RWQCB TPH maximum SSL, the EPA RSLs, and DTSC SLs for residential and commercial land use.

As shown in Table 2, several gasoline-related VOCs were reported in soil samples collected from borings B1, B3, B4, and B5 at depths up to 15 feet bgs. Detected VOCs included benzene, ethylbenzene, 1,2,4-trimethylbenzene, and xylenes. Detected VOC concentrations are below their respective RWQCB TPH Maximum SSLs, EPA RSLs, and DTSC SLs for residential or commercial land use.

Chlorinated VOCs, SVOCs, OCPs, and PCBs were not detected above laboratory reporting limits in any of the soil samples. Asbestos were also not detected in the one-foot samples analyzed from each location.

Low concentrations of several metals including arsenic, barium, cadmium, chromium, cobalt, copper, lead, molybdenum, nickel, vanadium, and zinc were reported in all samples. Arsenic concentrations exceeded both the EPA RSLs (0.39 and 1.6 mg/kg) and DTSC SLs (0.67 and 2.6

mg/kg) for residential and commercial land use, respectively. Arsenic was reported at concentrations ranging between 5.1 and 21 mg/kg in 17 of the 27 samples analyzed. The highest arsenic concentration (21 mg/kg) was detected at 15 feet bgs in boring B5, which is located on the central-western portion of the Site to the north of the medical office building . With the exception of the highest reported concentration of 21 mg/kg from boring B5, detected arsenic concentrations were below the upper limit of regional background arsenic concentration of 12 mg/kg for Southern California established by DTSC. Additionally, lead was reported in 24 of the 27 samples at concentrations ranging from 5.8 to 210 mg/kg. The highest lead concentration (210 mg/kg) was detected in the one-foot sample collected from boring B5, which was the only concentration reported above regulatory screening criteria including the EPA RSL and DTSC SL for residential land use of 80 mg/kg but was below the screening criteria for commercial land use of 320 mg/kg. Because this lead concentration also exceeded the 10 times the Soluble Threshold Limit Concentration (STLC) and 20 times Toxicity Characteristic Leaching Procedure (TCLP) value, the sample was additionally analyzed for STLC and Toxicity Characteristic Leaching Procedure TCLP in accordance with the State and Federal hazardous waste criteria. The STLC concentration of 12 milligrams per liter exceeded the waste disposal criteria of 5 mg/L but the TCLP result was not detected above the laboratory reporting limit; therefore, the soil from this sample will need to be characterized as non-RCRA California hazardous waste. The concentrations of all other detected metals were below their respective EPA RSLs and DTSC SLs for residential or commercial land use.

4.2.2 Soil Vapor Analytical Results

A number of VOCs were reported in two of the three soil vapor samples (SVP1 and SVP3) including ethylbenzene, tetrachloroethene, 1,1,2- trichloroethane, trichloroethene, m,p-xylenes, and o-xylenes. Soil vapor collected from SVP3 in boring B3 contained ethylbenzene (1,300 micrograms per cubic meter [µg/m^3]), 1,1,2- trichloroethane (1,700 µg/m^3), m,p-xylenes (5,500 µg/m^3), and o-xylenes (1,700 µg/m^3). Ethylbenzene and 1,1,2-trichloroethane concentrations exceeded the calculated EPA RSL of 550 µg/m^3 for residential land use. 1,1,2-trichloroethane also exceeded the calculated EPA RSL of 770 g/m^3 for commercial land use. None of the other reported VOCs exceeded their respective residential or commercial soil vapor RSLs or SLs.

The regulatory screening criteria for soil vapor are calculated by applying an attenuation factor to screening criteria for indoor air concentrations. It should be noted that the attenuation factors utilized for residential and commercial land use are typically for soil vapor at shallow depths of approximately 5 feet bgs; therefore, the calculated screening criteria are considered conservative for deeper soil vapor sample depths. As indicated in section 3.5, the attenuation factors are

currently under regulatory review and are expected to be revised downwards in late 2019, resulting in lower screening values.

5.0 CONCLUSIONS AND RECOMMENDATIONS

This investigation included the analysis of 27 soil samples and three soil vapor samples from drilling of six borings and installation of three temporary soil vapor probes in areas of potential concern at the Site. No groundwater samples were collected as part of this investigation because groundwater was not encountered at the Site. Conclusions regarding subsurface conditions based on the chemical test results are presented below.

5.1 Soil

Although low concentrations of TPH-mo were reported in nine shallow soil samples, these concentrations were below regulatory screening criteria. Several gasoline-related VOCs, including benzene, ethylbenzene, 1,2,4-trimethylbenzene, and xylenes, were also reported at concentrations below regulatory screening criteria. Detected metals were below their respective screening criteria except for arsenic and lead. Arsenic concentrations are above both the EPA and DTSC screening levels for residential and commercial land use; however, the arsenic concentrations were below the upper limit background concentration, with the exception of the highest concentration that was measured at 15 feet bgs in B5. The lead concentration in the one-foot sample from boring B5 exceeds the EPA RSLs and DTSC SLs for residential land use and exceeds the STLC value (but is below its TCLP value), indicating that the lead impacted soil in the vicinity of boring B5 would need to be handled as non-RCRA California hazardous waste. Based on the results, elevated concentrations of lead appear to be limited to the shallow soil to no deeper than 5 feet bgs. The lateral extent of the lead impacted soil is not definitely known, but given that lead was not reported in borings advanced approximately 75 feet to the north, east, and southeast, the lead impacted soil is limited to the vicinity around boring B5.

5.2 Soil Vapor

Soil vapor samples were collected at 5 and 10 feet bgs based on the location of permeable soil layers encountered at each boring location. No VOCs were detected in the soil vapor probe SVP2 installed in boring B2, and only trace concentrations of TCE was detected in the SVP1 installed in boring B1. Several VOCs (mostly fuel related) were detected in SVP3 installed in boring B3. However, all VOCs in soil vapor were below screening levels with the exception of ethylbenzene that was measured above the residential but below the commercial EPA RSL and 1,1,2-TCA that was reported above the EPA RSL for commercial land use at boring B3. The VOC results indicate that there does not appear to be a soil vapor issue associated with historical laundry on the Site; however, the 1,1,2-TCA and ethylbenzene may potentially be related to the former automotive maintenance facility to the east of the Site or the current gas station to the west of the Site.

5.3 Recommendations

Given the presence of arsenic and lead in soil boring B5 exceeding regulatory screening criteria, Northgate recommends the following:

- Assessment of the lateral and vertical extent of lead in soil at boring B5 above hazardous waste criteria prior to excavation;
- Develop a soil management plan to address the management of the lead impacted soil, the potential segregation of "landfill cover" soil from "unrestricted use soil," and management of any potentially impacted soil that might be encountered during excavation;
- Based on soil vapor data, plan on vapor mitigation or assess soil vapor beneath the restaurant building when it becomes accessible; and
- Properly remove and dispose any impacted soil encountered during development.

6.0 LIMITATIONS

The purpose of a geologic/hydrogeologic study is to reasonably characterize existing site conditions based on the geology/hydrogeology of the area. In performing such a study, it is understood that a balance must be struck between a reasonable inquiry into the site conditions and an exhaustive analysis of each conceivable environmental characteristic. The following paragraphs discuss the assumptions and parameters under which such an opinion is rendered.

No investigation is thorough enough to describe all geologic/hydrogeologic conditions of interest at a given site. If conditions have not been identified during the study, such a finding should not therefore be construed as a guarantee of the absence of such conditions at the site, but rather as the result of the services performed within the scope, limitations, and cost of the work performed.

We are unable to report on or accurately predict events that may change the site conditions after the described services are performed, whether occurring naturally or caused by external forces. We assume no responsibility for conditions we were not authorized to evaluate, or conditions not generally recognized as predictable when services were performed.

Conditions may exist at the site that cannot be identified solely by visual observation. Where subsurface exploratory work was performed, our professional opinions are based in part on interpretation of data from discrete sampling locations that may not represent actual conditions at unsampled locations.

7.0 REFERENCES

Department of Toxic Substances Control (DTSC), 2001. *Final Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air (Vapor Intrusion Guidance)*, Department of Toxic Substances Control, California Environmental Protection Agency, October 2001.

EFI Global (EFI), 20018. *Phase I Environmental Site Assessment Report, Taix French Restaurant, 1911 Sunset Boulevard and 1980 and 2007 West Reservoir Street, Los Angeles, California.* November 7.

Los Angeles County Regional Water Quality Control Board (LARWQCB), 1996. *Interim Site Assessment & Cleanup Guidebook*. May.

Northgate Environmental Management, Inc. (Northgate) 2018. *Proposal for Phase II Site Assessment, Sunset and Reservoir Property – 1911 Sunset Boulevard and 1980 and 2007 West Reservoir Street, Los Angeles, California*. December 13.

TRC, 2017. *Work Plan for Additional Assessment and Remedial Testing, Hollywood Cleaners, 1157 Echo Park Avenue, Los Angeles, California, RWQCB Case #2048E00.* March 21.

TABLES

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS - TOTAL PETROLEUM HYDROCARBONS

Sample Identification	Sample Top (Feet bgs)	Date Sampled	Total Petroleum Hydrocarbons EPA Method 8015B		
			C13-C22 (TPH-d) Extractable	C23-C32 (TPH-mo) Extractable	C4-C12 (TPH-g) Purgeable
			mg/kg	mg/kg	µg/kg
B1-1	1	12/17/2018	<10	310	<510
B1-5	5	12/17/2018	<10	<10	<660
B1-10	10	12/17/2018	<10	<10	<480
B1-15	15	12/17/2018	<10	<10	<630
B1-20	20	12/17/2018	<10	27	<590
B1-25	25	12/17/2018	<10	<10	<500
B2-1	1	12/17/2018	<10	400	<510
B2-5	5	12/17/2018	<10	<10	<480
B2-10	10	12/17/2018	<10	<10	<510
B2-15	15	12/17/2018	<10	<10	<510
B3-1	1	12/17/2018	<10	220	<480
B3-5	5	12/17/2018	<10	<10	<510
B3-10	10	12/17/2018	<10	<10	<460
B3-15	15	12/17/2018	<10	<10	<520
B4-1	1	12/17/2018	<10	450	<520
B4-5	5	12/17/2018	<10	<10	<620
B4-10	10	12/17/2018	<10	110	<490
B4-15	15	12/17/2018	<10	<10	<540
B5-1	1	12/18/2018	<10	880	<500
B5-5	5	12/18/2018	<10	52	<590
B5-10	10	12/18/2018	<10	<10	<510
B5-15	15	12/18/2018	<10	<10	<460
B5-17	17	12/18/2018	<10	<10	<530
B6-1	1	12/18/2018	<10	<10	<480
B6-5	5	12/18/2018	<10	110	<530
B6-10	10	12/18/2018	<10	<10	<560
B6-15	15	12/18/2018	<10	<10	<500
REGULATORY SCREENING CRITERIA					
RWQCB TPH Maximum SSLs Between 20 and 150 Above Groundwater			1,000	10,000	500,000
EPA Residential Soil RSLs			110	2,500	82,000
EPA Commercial Soil RSLs			600	33,000	420,000
DTSC Residential Soil SLs (cancer endpoint)			NE	NE	NE
DTSC Commercial Soil SLs (cancer endpoint)			NE	NE	NE

Notes/Abbreviations:

<	Not detected at or above the indicated laboratory method reporting limit
--	Not tested
Bold	Detected above one or more regulatory screening levels
bgs	Below ground surface
DTSC	Department of Toxic Substance Control
EPA	United States Environmental Protection Agency
mg/kg	Milligrams per kilogram (units)
µg/kg	Micrograms per kilogram (units)
NA	Not available
ND	Not detected
NE	Not established
RSL	EPA Region 9 Regional Screening Level, updated May 2016
RWQCB	Regional Water Quality Control Board - Los Angeles Region
SL	Screening levels, updated January 2016
SSL	RWQCB Maximum Soil Screening Levels - Distance to groundwater 20 to 150 feet, Interim Site Assessment Cleanup Guidance, May 1996.
TPH	Total petroleum hydrocarbons
TPH-d	Total petroleum hydrocarbons quantified as diesel
TPH-g	Total petroleum hydrocarbons quantified as gasoline
TPH-mo	Total petroleum hydrocarbons quantified as motor oil

TABLE 2
SUMMARY OF SOIL ANALYTICAL RESULTS - VOCs, SVOCs, PCBs, OCPs, AND ASBESTOS

			Volatile Organic Compounds EPA Method 8260B						SVOCs EPA Method 8270C	PCBs EPA Method 8082	OCPs EPA Method 8081A	Asbestos PLM Identification
Sample Identification	Sample Top (Feet bgs)	Date Sampled	Benzene	Ethylbenzene	1,2,4-Trimethylbenzene	m,p-Xylene	o-Xylene	Other VOCs	SVOCs	PCBs	OCPs	Asbestos
			µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	%
B1-1	1	12/17/2018	<5.3	<5.3	<5.3	<11	<5.3	ND	ND	<10	ND	ND
B1-5	5	12/17/2018	<6.2	<6.2	<6.2	<12	<6.2	ND	ND	<10	ND	--
B1-10	10	12/17/2018	<4.7	<4.7	<4.7	<9.4	<4.7	ND	ND	<10	ND	--
B1-15	15	12/17/2018	<4.7	6.7	<4.7	<9.4	<4.7	ND	ND	--	--	--
B1-20	20	12/17/2018	<6.3	<6.3	<6.3	<13	<6.3	ND	--	--	--	--
B1-25	25	12/17/2018	<5.8	6.7	<5.8	<12	<5.8	ND	--	--	--	--
B2-1	1	12/17/2018	<5.2	<5.2	<5.2	<10	<5.2	ND	ND	<10	ND	ND
B2-5	5	12/17/2018	<4.9	<4.9	<4.9	<9.7	<4.9	ND	ND	<10	ND	--
B2-10	10	12/17/2018	<5.6	<5.6	<5.6	<11	<5.6	ND	ND	<10	ND	--
B2-15	15	12/17/2018	<5.3	<5.3	<5.3	<11	<5.3	ND	ND	--	--	--
B3-1	1	12/17/2018	<4.9	22	<4.9	110	45	ND	ND	<10	ND	ND
B3-5	5	12/17/2018	<5.2	<5.2	<5.2	<10	<5.2	ND	ND	<10	ND	--
B3-10	10	12/17/2018	<6.4	<6.4	<6.4	<13	<6.4	ND	ND	<10	ND	--
B3-15	15	12/17/2018	<5.2	7.1	<5.2	<10	<5.2	ND	ND	--	--	--
B4-1	1	12/17/2018	<6.2	<6.2	<6.2	<12	<6.2	ND	ND	<10	ND	ND
B4-5	5	12/17/2018	<8.0	<8.0	<8.0	<16	<8.0	ND	ND	<10	ND	--
B4-10	10	12/17/2018	<5.5	5.7	6.2	<11	<5.5	ND	ND	<10	ND	--
B4-15	15	12/17/2018	<5.2	<5.2	<5.2	<10	<5.2	ND	ND	--	--	--
B5-1	1	12/18/2018	<7.6	<7.6	<7.6	<15	<7.6	ND	ND	<100	ND	ND
B5-5	5	12/18/2018	<5.9	5.9	<5.9	<12	<5.9	ND	ND	<10	ND	--
B5-10	10	12/18/2018	<4.6	<4.6	<4.6	<9.3	<4.6	ND	ND	<10	ND	--
B5-15	15	12/18/2018	<5.1	6.7	<5.1	<10	<5.1	ND	ND	--	--	--
B5-17	17	12/18/2018	<5.2	<5.2	<5.2	<10	<5.2	ND	--	--	--	--
B6-1	1	12/18/2018	<4.5	<4.5	<4.5	<9.1	<4.5	ND	ND	<10	ND	ND
B6-5	5	12/18/2018	<5.1	<5.1	<5.1	<10	<5.1	ND	ND	<10	ND	--
B6-10	10	12/18/2018	<5.3	<5.3	<5.3	<11	<5.3	ND	ND	<10	ND	--
B6-15	15	12/18/2018	<5.1	<5.1	<5.1	<10	<5.1	ND	ND	--	--	--
REGULATORY SCREENING CRITERIA												
RWQCB TPH Maximum SSL for Sample Top at 0.5 Feet bgs			10	7,079	NE	17,697	17,697	NA	NE	NE	NE	NE
RWQCB TPH Maximum SSL for Sample Top at 5 Feet bgs			9	6,181	NE	15,453	15,453	NA	NE	NE	NE	NE
RWQCB TPH Maximum SSL for Sample Top at 10 Feet bgs			7	5,184	NE	12,959	12,959	NA	NE	NE	NE	NE
RWQCB TPH Maximum SSL for Sample Top at 15 Feet bgs			6	4,018	NE	10,045	10,045	NA	NE	NE	NE	NE
RWQCB TPH Maximum SSL for Sample Top at 20 Feet bgs			4	2,863	NE	7,158	7,158	NA	NE	NE	NE	NE
RWQCB TPH Maximum SSL for Sample Top at 25 Feet bgs			3	2,170	NE	5,425	5,425	NA	NE	NE	NE	NE
RWQCB TPH Maximum SSL for Sample Top at 30 Feet bgs			3	2,170	NE	5,425	5,425	NA	NE	NE	NE	NE
EPA Residential Soil RSLs			1,200	5,800	58,000	550,000	650,000	NA	NA	NA	NA	NA
EPA Commercial Soil RSLs			5,100	25,000	240,000	2,400,000	2,800,000	NA	NA	NA	NA	NA
DTSC Residential Soil SLs (cancer endpoint)			330	NE	NE	NE	NE	NA	NA	NA	NA	NA
DTSC Commercial Soil SLs (cancer endpoint)			1,400	NE	NE	NE	NE	NA	NA	NA	NA	NA

Notes/Abbreviations:

<	Not detected at or above the indicated laboratory method reporting limit
--	Not tested
*	Noncancer endpoint value used as cancer endpoint value was not established
bgs	Below ground surface
DTSC	Department of Toxic Substance Control
EPA	United States Environmental Protection Agency
NA	Not available
ND	Not detected
NE	Not established
OCPs	Organochlorine pesticides
PCBs	Polychlorinated biphenyls
RSL	EPA Region 9 Regional Screening Level, updated May 2016
RWQCB	Regional Water Quality Control Board - Los Angeles Region
SL	Screening levels, updated January 2016
SSL	RWQCB Maximum Soil Screening Levels - Distance to groundwater 20 to 150 feet, Interim Site Assessment Cleanup Guidance, May 1996.
SVOCs	Semi-volatile organic compounds
µg/kg	Micrograms per kilogram (units)
VOCs	Volatile organic compounds

TABLE 3
SUMMARY OF SOIL ANALYTICAL RESULTS - TITLE 22 METALS

Sample Identification	Sample Top (Feet bgs)	Date Sampled	Title 22 Metals EPA Method 6010B																Mercury EPA 7471A
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
			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	mg/kg	mg/kg
B1-1	1	12/17/2018	<3.0	<5.0	110	<1.0	<2.0	13	7.7	15	26	<5.0	10	<5.0	<2.0	<2.0	36	75	0.14
B1-5	5	12/17/2018	<3.0	**5.1**	160	<1.0	<2.0	19	8.3	30	6.2	8.5	21	<5.0	<2.0	<2.0	42	71	<0.10
B1-10	10	12/17/2018	<3.0	**5.3**	220	<1.0	<2.0	16	18	35	7.5	14	44	<5.0	<2.0	<2.0	47	83	<0.10
B1-15	15	12/17/2018	<3.0	**5.8**	240	<1.0	<2.0	18	11	29	5.8	12	31	<5.0	<2.0	<2.0	44	87	<0.10
B1-20	20	12/17/2018	<3.0	**5.6**	75	<1.0	<2.0	18	13	31	5.8	8.4	26	<5.0	<2.0	<2.0	40	77	<0.10
B1-25	25	12/17/2018	<3.0	<5.0	84	<1.0	<2.0	18	13	24	6.1	7.5	26	<5.0	<2.0	<2.0	38	64	<0.10
B2-1	1	12/17/2018	<3.0	<5.0	150	<1.0	<2.0	16	9.4	30	11	5.1	21	<5.0	<2.0	<2.0	39	73	<0.10
B2-5	5	12/17/2018	<3.0	<5.0	170	<1.0	<2.0	18	15	30	7.2	6.7	33	<5.0	<2.0	<2.0	43	72	<0.10
B2-10	10	12/17/2018	<3.0	<5.0	91	<1.0	<2.0	19	14	28	6.9	5.5	24	<5.0	<2.0	<2.0	34	64	<0.10
B2-15	15	12/17/2018	<3.0	<5.0	60	<1.0	<2.0	14	14	27	6.1	8.4	38	<5.0	<2.0	<2.0	33	57	<0.10
B3-1	1	12/17/2018	<3.0	<5.0	150	<1.0	<2.0	14	12	27	10	5.4	32	<5.0	<2.0	<2.0	37	67	<0.10
B3-5	5	12/17/2018	<3.0	<5.0	130	<1.0	<2.0	19	9.7	34	8.0	6.2	22	<5.0	<2.0	<2.0	40	73	<0.10
B3-10	10	12/17/2018	<3.0	**6.2**	120	<1.0	<2.0	17	15	40	8.3	14	43	<5.0	<2.0	<2.0	45	84	<0.10
B3-15	15	12/17/2018	<3.0	**7.4**	85	<1.0	<2.0	17	18	31	7.4	10	46	<5.0	<2.0	<2.0	43	83	<0.10
B4-1	1	12/17/2018	<3.0	<5.0	320	<1.0	<2.0	14	13	30	11	8.4	29	<5.0	<2.0	<2.0	36	81	<0.10
B4-5	5	12/17/2018	<3.0	<5.0	86	<1.0	<2.0	16	11	23	6.6	5.6	21	<5.0	<2.0	<2.0	35	63	<0.10
B4-10	10	12/17/2018	<3.0	**5.5**	69	<1.0	<2.0	16	11	28	8.1	7.3	25	<5.0	<2.0	<2.0	36	71	<0.10
B4-15	15	12/17/2018	<3.0	**5.9**	110	<1.0	<2.0	16	9.1	29	6.9	8.7	20	<5.0	<2.0	<2.0	40	74	<0.10
B5-1	1	12/18/2018	<3.0	**9.8**	150	<1.0	<2.0	18	13	33	**210**	9.4	24	<5.0	<2.0	<2.0	40	81	<0.10
B5-5	5	12/18/2018	<3.0	**7.6**	150	<1.0	<2.0	16	11	24	<3.0	9.3	20	<5.0	<2.0	<2.0	35	46	<0.10
B5-10	10	12/18/2018	<3.0	**8.2**	56	<1.0	<2.0	16	11	29	<3.0	11	22	<5.0	<2.0	<2.0	37	60	<0.10
B5-15	15	12/18/2018	<3.0	**21**	63	<1.0	<2.0	22	15	50	9.4	19	33	<5.0	<2.0	<2.0	58	97	<0.10
B5-17	17	12/18/2018	<3.0	**8.3**	63	<1.0	<2.0	15	12	23	8.9	11	20	<5.0	<2.0	<2.0	31	60	<0.10
B6-1	1	12/18/2018	<3.0	**8.1**	120	<1.0	<2.0	17	13	25	8.8	8.3	25	<5.0	<2.0	<2.0	43	48	<0.10
B6-5	5	12/18/2018	<3.0	**9.9**	650	<1.0	<2.0	16	13	29	<3.0	11	24	<5.0	<2.0	<2.0	37	62	<0.10
B6-10	10	12/18/2018	<3.0	**9.0**	110	<1.0	<2.0	18	12	35	9.5	12	22	<5.0	<2.0	<2.0	42	71	<0.10
B6-15	15	12/18/2018	<3.0	**8.2**	71	<1.0	<2.0	16	15	30	11	11	19	<5.0	<2.0	<2.0	35	69	<0.10
REGULATORY SCREENING CRITERIA																			
EPA Residential Soil RSLs			31	0.39	15,000	160	70	NE	23	3,100	80 [1]	390	1,500	390	390	0.78	390	23,000	10
EPA Commercial Soil RSLs			410	1.6	190,000	2,000	800	NE	300	41,000	320 [1]	5,100	20,000	5,100	5,100	10	5,200	310,000	43
DTSC Residential Soil SLs (cancer endpoint)			NE	0.67	NE	NE	2,100	NE	NE	NE	80*	NE	NE	NE	390*	NE	390*	NE	1.0*
DTSC Commercial Soil SLs (cancer endpoint)			NE	2.5	NE	NE	9,300	NE	NE	NE	320*	NE	NE	NE	1,500*	NE	1,000*	NE	4.5*

Notes/Abbreviations:

< Not detected at or above the indicated laboratory method reporting limit
-- Not tested
[1] California Human Health Screening Level (CHHSL) used for lead
bgs Below ground surface
DTSC Department of Toxic Substance Control
EPA United States Environmental Protection Agency
mg/kg Milligrams per kilogram (units)
NA Not available
ND Not detected
NE Not established
RSL EPA Region 9 Regional Screening Level, updated May 2016
RWQCB Regional Water Quality Control Board - Los Angeles Region
SL Screening levels, updated January 2016
SSL RWQCB Maximum Soil Screening Levels - Distance to groundwater 20 to 150 feet, Interim Site Assessment Cleanup Guidance, M
µg/kg Micrograms per kilogram (units)

TABLE 4
SUMMARY OF SOIL ANALYTICAL RESULTS - STLC and TCLP

			Title 22 Metals EPA Method 6010B	STLC Metals EPA Method 6000/7000 Series	TCLP Metals EPA Method 6000/7000 Series
			mg/kg	mg/L	mg/L
Sample Identification	**Sample Top (Feet bgs)**	**Date Sampled**	**Lead**	**Lead**	**Lead**
B5-1	1	12/18/2018	210	12	<0.10
			Waste Disposal Criteria		
			TTLC	**STLC**	**TCLP**
			1,000	5	5

Notes/Abbreviations:

<	Not detected at or above the indicated laboratory method reporting limit
mg/kg	Milligrams per kilogram (units)
mg/L	Milligrams per liter (units)
bgs	Below ground surface
EPA	United States Environmental Protection Agency
STLC	Soluble Threshold Limit Concentration
TCLP	Toxicity Characteristic Leaching Procedure
TTLC	Total Threshold Limit Concentration

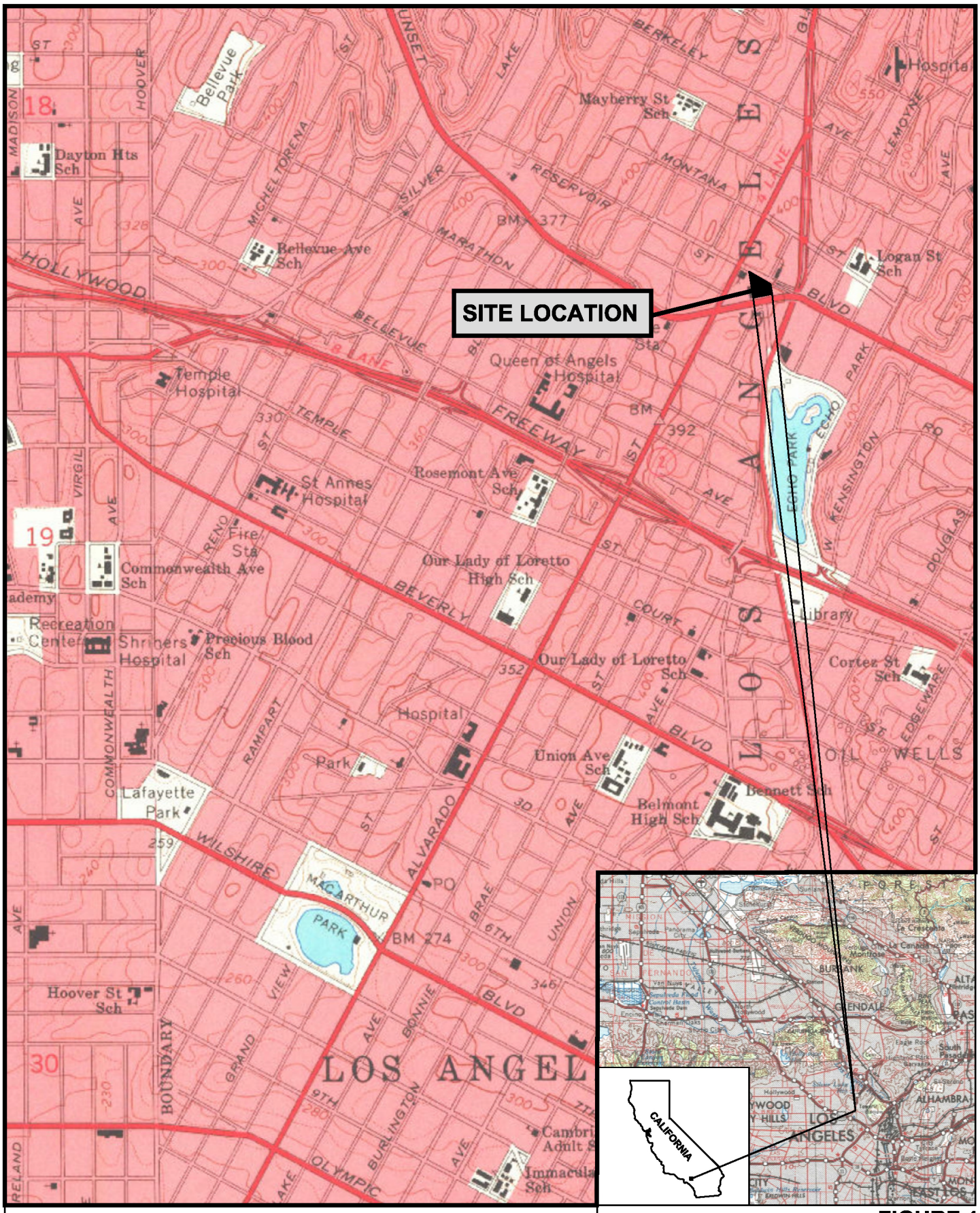
TABLE 5
SUMMARY OF SOIL VAPOR ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS

			Volatile Organic Compounds EPA Method TO-15																
Sample Identification	**Sample Depth (Feet bgs)**	**Date Sampled**	**Acetone**	**Benzene**	**Carbon disulfide**	**Cyclohexane**	**Dichlorodifluoromethane**	**Ethylbenzene**	**Heptane**	**Hexane**	**Methyl ethyl ketone**	**Tetrachloroethene**	**Toluene**	**1,1,2-Trichloroethane**	**Trichloroethene**	**1,2,4-Trimethylbenzene**	**m,p-Xylene**	**o-Xylene**	**Other VOCs**
			µg/m3	**µg/m3**	**µg/m3**	**µg/m3**	**µg/m3**	**µg/m3**	**µg/m3**	**µg/m3**	**µg/m3**	**µg/m3**	**µg/m3**	**µg/m3**	**µg/m3**	**µg/m3**	**µg/m3**	**µg/m3**	**µg/m3**
B1 (SVP1)	5	12/18/2018	<12	<3.3	<3.2	<3.5	<5.0	<4.4	<4.2	<3.6	<15	8.1	<3.8	<5.6	6.7	<5.0	<8.8	<4.4	ND
B2 (SVP2)	10	12/18/2018	<12	<3.3	<3.2	<3.5	<5.0	<4.4	<4.2	<3.6	<15	<6.9	<3.8	<5.6	<5.5	<5.0	<8.8	<4.4	ND
B3 (SVP3)	5	12/18/2018	<120	<160	<160	<170	<250	***1,300***	<210	<180	<150	<350	<190	***1,700***	<270	<250	5,500	1,700	ND
REGULATORY SCREENING CRITERIA																			
Residential Indoor Air RSLs[1]			32,000	0.36	730	6,300	100	1.1	NE	NE	5,200	11	5,200	0.18	0.48	63	100	100	NA
Attenuation Factor			0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	NA
Calculated EPA Residential Soil Vapor RSLs			**16,000,000**	**180**	**365,000**	**3,150,000**	**50,000**	**550**	**NE**	**NE**	**2,600,000**	**5,500**	**2,600,000**	**90**	**240**	**31,500**	**50,000**	**50,000**	**NA**
Commercial/Industrial Indoor Air RSLs[1]			140,000	1.6	3,100	26,000	440	4.9	NE	NE	22,000	47	22,000	0.77	3.0	260	440	440	NA
Attenuation Factor			0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	NA
Calculated EPA Industrial Soil Vapor RSLs			**140,000,000**	**1,600**	**3,100,000**	**26,000,000**	**440,000**	**4,900**	**NE**	**NE**	**22,000,000**	**47,000**	**22,000,000**	**770**	**3,000**	**260,000**	**440,000**	**440,000**	**NA**
DTSC Residential SLs (cancer endpoint)[1]			NE	0.097	NE	NE	NE	NE	NE	NE	NE	0.46	310*	NE	NE	NE	NE	NE	NA
Attenuation Factor			0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	NA
Calculated DTSC Residential Soil Vapor SLs			**NE**	**48.5**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**230**	**155,000**	**NE**	**NE**	**NE**	**NE**	**NE**	**NA**
DTSC Commercial/Industrial SLs (cancer endpoint)[1]			NE	0.42	NE	NE	NE	NE	NE	NE	NE	2.0	1,300*	NE	NE	NE	NE	NE	NA
Attenuation Factor			0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	NA
Calculated DTSC Industrial Soil Vapor SLs			**NE**	**420**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**NE**	**2,000**	**1,300,000**	**NE**	**NE**	**NE**	**NE**	**NE**	**NA**

Notes/Abbreviations:

*	Non cancer endpoint value used as cancer endpoint value not established
Bold	Calculated screening criteria for soil vapor based on quotient of screening criteria for air and attenuation factor
Bold	Exceedance of screening criteria
[1]	Value provided is for indoor air, not soil vapor
bgs	Below ground surface
DTSC	Department of Toxic Substance Control
EPA	United States Environmental Protection Agency
NA	Not available
ND	Not detected
NE	Note Established
RSL	EPA Region 9 Regional Screening Level, updated May 2016
SL	Screening Levels, updated January 2016
µg/m3	Units are in micrograms per meter cubed
VOCs	Volatile Organic Compounds

FIGURES



Scale

1000 0 1000 2000 3000 Feet

N

Source: USGS 1966

FIGURE 1

Site Location Map

Phase II Environmental Site Assessment
Sunset Property
1911 and 1931 Sunset Boulevard
Los Angeles, California

northgate environmental management, inc.

Project No. 2047.17



LEGEND:

SITE BOUNDARY

N

0 35 70

Scale (Feet)

FIGURE 2
Site Map

Phase II Environmental Site Assessment
Sunset Property
1911 and 1931 Sunset Boulevard
Los Angeles, California

northgate environmental management, inc.

Project No. 2047.17



LEGEND

- Site Boundary
- B9 — Soil Boring Location
- B2 — Soil Boring with grab-groundwater and temporary soil vapor probes

0 25 50
Scale (Feet)

N

FIGURE 3
Boring Location Map

Phase II Environmental Site Assessment
Sunset Property
1911 and 1913 Sunset Boulevard
Los Angeles, California

northgate environmental management, inc.

Project No. 2047.17

APPENDIX A

FIELD PROCEDURES

APPENDIX A – FIELD PROCEDURES

Drilling of Soil Borings

Prior to advancing the borings, proposed locations were outlined with white paint. Northgate then notified DigAlert (Underground Service Alert of Southern California) at least 48 hours prior to drilling activities, as required by law. As an additional precaution, Northgate contracted with Ground Penetrating Radar Systems, Incorporated, an independent geophysical utility locating company, to identify underground utilities and other subsurface obstructions so that the sampling locations were "clear" of any subgrade features. After underground features had been identified and underground utilities had been marked, boring locations were finalized.

All borings were advanced using 2.25" (outer diameter) direct-push drilling rods, with soil samples collected in advance of the bit face using a core sampler. Soil borings were advanced using a truck-mounted Geoprobe™ 6600 direct push rig. The borings were advanced using 2.25 inch diameter hollow rods. The lead drilling rod contained a removable 1.5 inch core sampler that was retrieved at the end of each run. Acetate sleeves were used as liners for the core sampler to collect undisturbed soil samples as the rods were advanced. Borings were advanced to depths of up to 28 feet bgs. All borings were located on private property, none were located in streets or sidewalks.

Installation of Temporary Soil Vapor Monitoring Probes

Temporary soil vapor probes (SVPs) were constructed in three of the soil borings. Temporary SVPs were constructed inside the drill rods after they had advanced to total depth. Single completion SVPs were constructed at each location, with the probes set at various depths at each location between approximately 5 and 10 feet bgs.

The SVPs consisted of 6-inch long stainless steel implants set at the desired probe depths. Teflon tubing (0.33 inch diameter) was connected from the implant to the ground surface, and terminated above the existing surface with a valve. The borehole annulus around the implant and tubing was filled through the drill rods with sand 6 inches above and below the implant, 12 inches of dry bentonite placed 1 foot above the sand and hydrated bentonite chips from above the sand to the ground surface.

At the completion of vapor sampling, the borings were abandoned by removing the tubing and backfilling the borings with neat cement grout containing 3% hydrated bentonite powder. The upper three inches of the borings were abandoned using cold-patch asphalt or concrete to match the existing surface.

APPENDIX B

GEOPHYSICAL SURVEY REPORT

Job Date : **12-Dec-18**

Customer	Northgate Environmental	**Phone Number**	9493757004

Billing Address	City	State	Zip
24411 Ridge Route Dr- Ste 130	Laguna Hills	CA	92653

Job Details

Jobsite Location	1929 Sunset Blvd	**WA Number**	103593
City	Los Angeles	**Job Num**	247.17
State	CA	**PO Num**	

Lead Technician	NEWELL, MIKE	**Phone**	949-441-9394	**Email**	mike.newell@gp-radar.com

Thank you for using Ground Penetrating Radar Systems on your project. We appreciate the opportunity to work with you. If you have questions regarding the results of this scanning, please contact the lead GPRS technician on this project.

Equipment Used:

The following equipment was used on this project:

- 400 MHz GPR antenna. Typically capable of detecting objects several feet deep. Maximum effective depth depends on site and soil conditions.
- At this site, the maximum effective depth of the GPR was 3'.
- RD 7000/8000 Radio Frequency detector. Detects electromagnetic fields. Used to actively trace metallic pipes and tracer wires, or passively detect electric,communications and other lines.

Work Performed

Ground Penetrating Radar Systems performed the following work on this project:

Scanning the specified area to locate underground utilities and other significant anomalies. A tracer signal was sent along any accessible metallic utility or tracer wire, and the area was scanned with GPR to locate any additional targets. The locations of any detected utilities and anomalies were marked directly at the site with paint, flags, stakes, or other appropriate means, and results were reviewed with onsite personnel.

- At least one pipe could not be traced. A good tracer signal could not be generated on the pipe, due to factors such as the material or condition of the pipe.
- Sewer, storm
  Drain, communications
- Marked out all findings, client aware to stay off all marks atleast 2'. Went over all findings and recommendations with site contact. Recommeded hand oggering to verify findings. Unable to locate all utilities due to lax depth of gpr, 3'.

Scanning the designated area to attempt to locate evidence of underground storage tanks and/or UST removal excavations. The locations of any USTs, associated piping, or excavations detected were marked with paint, flags, or other appropriate means, and results were reviewed with onsite personnel.

- No evidence found of possibly tanks or excavation locations.

TERMS & CONDITIONS

https://m.gp-radar.com/terms-conditions

SIGNATURE



Contact Name	Contact Phone	Contact Email
Derrick Willis	9493757004	derrick.willis@ngem.com

APPENDIX C

BORING LOGS

northgate environmental management, inc.
24411 Ridge Route Drive, Suite 130
Laguna Hills, CA 92653
Telephone: 949.716.0050
Fax: 949.716.0055

Boring Log

Project Number: 2047.17	**Boring No.: B1**	
Project Name: Holland Sunset	**Logged by: Derrick Willis**	
Location: 1911 Sunset Boulevard	**Date Started: 12/17/18**	**Date Completed: 12/17/18**
Drilling Contractor: Strongarm Environmental	**Total Depth (ft bgs): 28.0**	**Depth to Water (ft bgs):**
Drilling Method: Direct Push	**Borehole Dia. (in): 2.25**	**Surface Elevation (ft MSL):**

Remarks:

Depth (ft)	Sample I.D. Sample Time	Sample Type	Graphic Log	USCS Code	Material Description	Water Level	10.6 ev PID (ppm)	Backfill
					Asphalt suface cover approximately 3" thick.			
				SP	Very fine grained sand, light grey, loose, dry. No odor or staining.			
1	B101' 12:20	X			Silt (ML). Medium brown, loose, slightly moist. Silt with some very fine grained sand. No odor or staining.		1.3	
2								
3								
4								
5	B105' 12:25	X					2.2	
6								
7								
8								
9								
10	B1010' 12:40	X		ML	Silt (ML). Medium brown, loose, slightly moist. Fining downward with increasing clay content towards the base. No odor or staining.		1.3	
11								
12								
13								
14								
15	B1015' 12:50	X			@ 15.0' Increasing clay content and stiff, slightly moist.		1.8	
16								
17					@17.0' Very stiff, slow drilling.			
18								
19								

DRB-ENVIRO BORING TEST HOLLAND.GPJ 1/29/19

northgate environmental management, inc.
24411 Ridge Route Drive, Suite 130
Laguna Hills, CA 92653
Telephone: 949.716.0050
Fax: 949.716.0055

Boring Log

Project Number: 2047.17 | **Boring No.: B1**

Project Name: Holland Sunset | **Logged by: Derrick Willis**

Location: 1911 Sunset Boulevard | **Date Started: 12/17/18** | **Date Completed: 12/17/18**

Depth (ft)	Sample I.D. Sample Time	Sample Type	Graphic Log	USCS Code	Material Description	Water Level	10.6 ev PID (ppm)	Backfill
21	B1020' 1:40	X		ML	Silt (ML). Medium brown, loose, slightly moist. Silt with some very fine grained sand. No odor or staining. @ 20.0' silt with clay, very stiff, dry. Minor sand lens 1" - 2" thick and some caliche staining. No odor.		3.6	
25	B1025' 2:05	X					3.3	
28					T.D. = refusal at 28.0' 2:30 pm; 12/17/2018			

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northgate environmental management, inc.
24411 Ridge Route Drive, Suite 130
Laguna Hills, CA 92653
Telephone: 949.716.0050
Fax: 949.716.0055

Boring Log

Project Number: 2047.17	**Boring No.: B2**	
Project Name: Holland Sunset	**Logged by: Derrick Willis**	
Location: 1911 Sunset Boulevard	**Date Started: 12/17/18**	**Date Completed: 12/17/18**
Drilling Contractor: Strongarm Environmental	**Total Depth (ft bgs): 15.0**	**Depth to Water (ft bgs):**
Drilling Method: Direct Push	**Borehole Dia. (in): 2.25**	**Surface Elevation (ft MSL):**

Remarks:

Depth (ft)	Sample I.D. Sample Time	Sample Type	Graphic Log	USCS Code	Material Description	Water Level	10.6 ev PID (ppm)	Backfill
0					Asphalt suface cover approximately 3" thick.			
1	B201' 03:05	X		ML	Sandy Silt (ML): Medium brown, dry to slightly moist, loose. Very fine grained sand. No odor or staining.		2.8	
5	B205' 03:10	X		CL	Lean Clay (CL). Medium brown, loose, slightly moist. Silt with some very fine grained sand. No odor or staining.		4.1	
10	B2010' 03:15	X		ML	Sandy Silt (ML): Medium brown, dry to slightly moist, loose. Very fine grained sand. No odor or staining.		4.0	
14					@ 14.0' Increasing clay content, stiff, slightly moist. No odor or staining.			
15	B2015' 03:25	X			TD = 15.0' @ 03:25, 12/17/2018		3.8	

DRB-ENVIRO BORING TEST HOLLAND.GPJ 1/29/19

northgate environmental management, inc.
24411 Ridge Route Drive, Suite 130
Laguna Hills, CA 92653
Telephone: 949.716.0050
Fax: 949.716.0055

Boring Log

Project Number: 2047.17	**Boring No.: B3**	
Project Name: Holland Sunset	**Logged by: Derrick Willis**	
Location: 1911 Sunset Boulevard	**Date Started: 12/17/18**	**Date Completed: 12/17/18**
Drilling Contractor: Strongarm Environmental	**Total Depth (ft bgs): 15.0**	**Depth to Water (ft bgs):**
Drilling Method: Direct Push	**Borehole Dia. (in): 2.25**	**Surface Elevation (ft MSL):**

Remarks:

Depth (ft)	Sample I.D. Sample Time	Sample Type	Graphic Log	USCS Code	Material Description	Water Level	10.6 ev PID (ppm)	Backfill
					Asphalt suface cover approximately 3" thick.			
1	B301' 04:10	X			Elastic Silt (MH): Medium brown, slightly moist, Soft. No odor or staining		2.7	
2								
3								
4								
5	B305' 04:15	X			Elastic Silt (MH). Medium brown, loose, slightly moist. Silt with some very fine grained sand. No odor or staining.		3.8	
6								
7								
8				MH				
9								
10	B3010' 04:20	X			Elastic Silt (MH). Medium brown, loose, slightly moist. Silt with some very fine grained sand. No odor or staining.		4.2	
11								
12								
13								
14								
15	B3015' 04:30	X			T.D. = 15.0' @ 4:30 am; 12/17/2018		4.0	
16								
17								
18								
19								

DRB-ENVIRO BORING TEST HOLLAND.GPJ 1/29/19

northgate environmental management, inc.
24411 Ridge Route Drive, Suite 130
Laguna Hills, CA 92653
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Fax: 949.716.0055

Boring Log

Project Number: 2047.17	**Boring No.: B4**	
Project Name: Holland Sunset	**Logged by: Derrick Willis**	
Location: 1911 Sunset Boulevard	**Date Started: 12/17/18**	**Date Completed: 12/17/18**
Drilling Contractor: Strongarm Environmental	**Total Depth (ft bgs): 15.0**	**Depth to Water (ft bgs):**
Drilling Method: Direct Push	**Borehole Dia. (in): 2.25**	**Surface Elevation (ft MSL):**

Remarks:

Depth (ft)	Sample I.D. Sample Time	Sample Type	Graphic Log	USCS Code	Material Description	Water Level	10.6 ev PID (ppm)	Backfill
					Asphalt suface cover approximately 3" thick.			
1	B401' 05:25	X			Elastic Silt (MH): Medium brown, slightly moist, soft. Some moderate to high-plasticify fines, minor very fine sand. No odor or staining		3.7	
2								
3								
4								
5	B405' 05:35	X			Elastic Silt (MH). Medium brown, stiff, slightly moist. Silt with some very fine grained sand. No odor or staining.		3.8	
6								
7								
8				MH				
9								
10	B4010' 05:40	X			@ 10.0' fining downward and stiffer, no sand. No odor or staining.		4.0	
11								
12								
13								
14								
15	B4015' 05:50	X			T.D. = 15.0' @ 5:50 am; 12/17/2018		4.3	
16								
17								
18								
19								

DRB-ENVIRO BORING TEST HOLLAND.GPJ 1/29/19

northgate environmental management, inc.
24411 Ridge Route Drive, Suite 130
Laguna Hills, CA 92653
Telephone: 949.716.0050
Fax: 949.716.0055

Boring Log

Project Number: 2047.17	**Boring No.: B5**	
Project Name: Holland Sunset	**Logged by: Derrick Willis**	
Location: 1911 Sunset Boulevard	**Date Started: 12/17/18**	**Date Completed: 12/17/18**
Drilling Contractor: Strongarm Environmental	**Total Depth (ft bgs): 17.0**	**Depth to Water (ft bgs):**
Drilling Method: Direct Push	**Borehole Dia. (in): 2.25**	**Surface Elevation (ft MSL):**

Remarks:

Depth (ft)	Sample I.D. Sample Time	Sample Type	Graphic Log	USCS Code	Material Description	Water Level	10.6 ev PID (ppm)	Backfill
					Asphalt suface cover approximately 3" thick.			
1	B501' 00:01	X			Elastic Silt (MH): Medium brown, slightly moist, soft. Minor high-plasticity fines. No odor or staining		0.9	
2								
3								
4								
5	B505' 00:10	X			Elastic Silt (MH): Medium brown, soft, slightly moist. Silt with high-plasticity fines and some very fine grained sand. No odor or staining.		3.2	
6								
7								
8								
9				MH				
10	B5010' 00:20	X					3.6	
11								
12								
13								
14					@ 14.0' increasing fines content with more clay. Very stiff, no odor or staining.			
15	B5015' 00:35	X			Refusal @ 17.0'		2.6	
16								
17	B5017' 00:45	X			T.D. = 17.0' @ 12:45 am; 12/17/2018		2.9	
18								
19								

DRB-ENVIRO BORING TEST HOLLAND.GPJ 1/29/19

northgate environmental management, inc.
24411 Ridge Route Drive, Suite 130
Laguna Hills, CA 92653
Telephone: 949.716.0050
Fax: 949.716.0055

Boring Log

Project Number: 2047.17	**Boring No.: B6**	
Project Name: Holland Sunset	**Logged by: Derrick Willis**	
Location: 1911 Sunset Boulevard	**Date Started: 12/17/18**	**Date Completed: 12/17/18**
Drilling Contractor: Strongarm Environmental	**Total Depth (ft bgs): 15.0**	**Depth to Water (ft bgs):**
Drilling Method: Direct Push	**Borehole Dia. (in): 2.25**	**Surface Elevation (ft MSL):**

Remarks:

Depth (ft)	Sample I.D. Sample Time	Sample Type	Graphic Log	USCS Code	Material Description	Water Level	10.6 ev PID (ppm)	Backfill
0					Asphalt suface cover approximately 3" thick.			
1	B601' 01:20	X		CL	Lean Clay (CL): Medium brown, stiff, slightly moist. High to moderate-plasticity fines, no odor or staining.		3.5	
5	B605' 01:35	X		MH	Elastic Silt (MH): Medium brown, slightly moist, soft. Minor high-plasticity fines. No odor or staining		3.0	
10	B6010' 01:50	X					2.6	
15	B6015' 02:10	X			Refusal @ 15.0'		4.3	
					T.D. = 15.0' @ 2:30 pm; 12/17/2018			

DRB-ENVIRO BORING TEST HOLLAND.GPJ 1/29/19

APPENDIX D

LABORATORY ANALYTICAL REPORTS

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

09 January 2019

Derrick Willis
Northgate Environmental Management -- Laguna Hills
24411 Ridge Route Drive, Suite 130
Laguna Hills, CA 92653

RE: Holland Sunset

Enclosed are the results of analyses for samples received by the laboratory on 12/18/18 11:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Joann Marroquin
Client Services Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B1@1	T183752-01	Soil	12/17/18 12:20	12/18/18 11:30
B1@5	T183752-02	Soil	12/17/18 12:25	12/18/18 11:30
B1@10	T183752-03	Soil	12/17/18 12:40	12/18/18 11:30
B1@15	T183752-04	Soil	12/17/18 12:50	12/18/18 11:30
B1@20	T183752-05	Soil	12/17/18 13:40	12/18/18 11:30
B1@25	T183752-06	Soil	12/17/18 14:05	12/18/18 11:30
B2@1	T183752-07	Soil	12/17/18 15:05	12/18/18 11:30
B2@5	T183752-08	Soil	12/17/18 15:10	12/18/18 11:30
B2@10	T183752-09	Soil	12/17/18 15:15	12/18/18 11:30
B2@15	T183752-10	Soil	12/17/18 15:25	12/18/18 11:30
B3@1	T183752-11	Soil	12/17/18 16:10	12/18/18 11:30
B3@5	T183752-12	Soil	12/17/18 16:15	12/18/18 11:30
B3@10	T183752-13	Soil	12/17/18 16:20	12/18/18 11:30
B3@15	T183752-14	Soil	12/17/18 16:30	12/18/18 11:30
B4@1	T183752-15	Soil	12/17/18 17:25	12/18/18 11:30
B4@5	T183752-16	Soil	12/17/18 17:35	12/18/18 11:30
B4@10	T183752-17	Soil	12/17/18 17:40	12/18/18 11:30
B4@15	T183752-18	Soil	12/17/18 17:50	12/18/18 11:30

SunStar Laboratories, Inc.

Joann Marroquin

Joann Marroquin, Client Services Manager

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.

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Lake Forest, California 92630
949.297.5020 Phone
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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

DETECTIONS SUMMARY

Sample ID: B1@1 **Laboratory ID:** T183752-01

Analyte	Result	Reporting Limit	Units	Method	Notes
C23-C32 (MORO)	**310**	10	mg/kg	EPA 8015B	
Barium	**110**	1.0	mg/kg	EPA 6010b	
Chromium	**13**	2.0	mg/kg	EPA 6010b	
Cobalt	**7.7**	2.0	mg/kg	EPA 6010b	
Copper	**15**	1.0	mg/kg	EPA 6010b	
Lead	**26**	3.0	mg/kg	EPA 6010b	
Nickel	**10**	2.0	mg/kg	EPA 6010b	
Vanadium	**36**	5.0	mg/kg	EPA 6010b	
Zinc	**75**	1.0	mg/kg	EPA 6010b	
Mercury	**0.14**	0.10	mg/kg	EPA 7471A Soil	

Sample ID: B1@5 **Laboratory ID:** T183752-02

Analyte	Result	Reporting Limit	Units	Method	Notes
Arsenic	**5.1**	5.0	mg/kg	EPA 6010b	
Barium	**160**	1.0	mg/kg	EPA 6010b	
Chromium	**19**	2.0	mg/kg	EPA 6010b	
Cobalt	**8.3**	2.0	mg/kg	EPA 6010b	
Copper	**30**	1.0	mg/kg	EPA 6010b	
Lead	**6.2**	3.0	mg/kg	EPA 6010b	
Molybdenum	**8.5**	5.0	mg/kg	EPA 6010b	
Nickel	**21**	2.0	mg/kg	EPA 6010b	
Vanadium	**42**	5.0	mg/kg	EPA 6010b	
Zinc	**71**	1.0	mg/kg	EPA 6010b	

Sample ID: B1@10 **Laboratory ID:** T183752-03

Analyte	Result	Reporting Limit	Units	Method	Notes
Arsenic	**5.3**	5.0	mg/kg	EPA 6010b	
Barium	**220**	1.0	mg/kg	EPA 6010b	
Chromium	**16**	2.0	mg/kg	EPA 6010b	

SunStar Laboratories, Inc.

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Joann Marroquin

Joann Marroquin, Client Services Manager

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

Sample ID: B1@10 **Laboratory ID:** T183752-03

Analyte	Result	Reporting Limit	Units	Method	Notes
Cobalt	**18**	2.0	mg/kg	EPA 6010b	
Copper	**35**	1.0	mg/kg	EPA 6010b	
Lead	**7.5**	3.0	mg/kg	EPA 6010b	
Molybdenum	**14**	5.0	mg/kg	EPA 6010b	
Nickel	**44**	2.0	mg/kg	EPA 6010b	
Vanadium	**47**	5.0	mg/kg	EPA 6010b	
Zinc	**83**	1.0	mg/kg	EPA 6010b	

Sample ID: B1@15 **Laboratory ID:** T183752-04

Analyte	Result	Reporting Limit	Units	Method	Notes
Arsenic	**5.8**	5.0	mg/kg	EPA 6010b	
Barium	**240**	1.0	mg/kg	EPA 6010b	
Chromium	**18**	2.0	mg/kg	EPA 6010b	
Cobalt	**11**	2.0	mg/kg	EPA 6010b	
Copper	**29**	1.0	mg/kg	EPA 6010b	
Lead	**5.8**	3.0	mg/kg	EPA 6010b	
Molybdenum	**12**	5.0	mg/kg	EPA 6010b	
Nickel	**31**	2.0	mg/kg	EPA 6010b	
Vanadium	**44**	5.0	mg/kg	EPA 6010b	
Zinc	**87**	1.0	mg/kg	EPA 6010b	
Ethylbenzene	**6.7**	4.7	ug/kg	EPA 8260B/5035	M-02, 5035R

Sample ID: B1@20 **Laboratory ID:** T183752-05

Analyte	Result	Reporting Limit	Units	Method	Notes
C23-C32 (MORO)	**27**	10	mg/kg	EPA 8015B	
Arsenic	**5.6**	5.0	mg/kg	EPA 6010b	
Barium	**75**	1.0	mg/kg	EPA 6010b	
Chromium	**18**	2.0	mg/kg	EPA 6010b	
Cobalt	**13**	2.0	mg/kg	EPA 6010b	
Copper	**31**	1.0	mg/kg	EPA 6010b	
Lead	**5.8**	3.0	mg/kg	EPA 6010b	
Molybdenum	**8.4**	5.0	mg/kg	EPA 6010b	
Nickel	**26**	2.0	mg/kg	EPA 6010b	

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Joann Marroquin

Joann Marroquin, Client Services Manager

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

Sample ID: B1@20 **Laboratory ID:** T183752-05

Analyte	Result	Reporting Limit	Units	Method	Notes
Vanadium	**40**	5.0	mg/kg	EPA 6010b	
Zinc	**77**	1.0	mg/kg	EPA 6010b	

Sample ID: B1@25 **Laboratory ID:** T183752-06

Analyte	Result	Reporting Limit	Units	Method	Notes
Barium	**84**	1.0	mg/kg	EPA 6010b	
Chromium	**18**	2.0	mg/kg	EPA 6010b	
Cobalt	**13**	2.0	mg/kg	EPA 6010b	
Copper	**24**	1.0	mg/kg	EPA 6010b	
Lead	**6.1**	3.0	mg/kg	EPA 6010b	
Molybdenum	**7.5**	5.0	mg/kg	EPA 6010b	
Nickel	**26**	2.0	mg/kg	EPA 6010b	
Vanadium	**38**	5.0	mg/kg	EPA 6010b	
Zinc	**64**	1.0	mg/kg	EPA 6010b	
Ethylbenzene	**6.7**	5.8	ug/kg	EPA 8260B/5035	

Sample ID: B2@1 **Laboratory ID:** T183752-07

Analyte	Result	Reporting Limit	Units	Method	Notes
C23-C32 (MORO)	**400**	10	mg/kg	EPA 8015B	
Barium	**150**	1.0	mg/kg	EPA 6010b	
Chromium	**16**	2.0	mg/kg	EPA 6010b	
Cobalt	**9.4**	2.0	mg/kg	EPA 6010b	
Copper	**30**	1.0	mg/kg	EPA 6010b	
Lead	**11**	3.0	mg/kg	EPA 6010b	
Molybdenum	**5.1**	5.0	mg/kg	EPA 6010b	
Nickel	**21**	2.0	mg/kg	EPA 6010b	
Vanadium	**39**	5.0	mg/kg	EPA 6010b	
Zinc	**73**	1.0	mg/kg	EPA 6010b	

Sample ID: B2@5 **Laboratory ID:** T183752-08

Analyte	Result	Reporting Limit	Units	Method	Notes

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

Sample ID: B2@5 **Laboratory ID:** T183752-08

Analyte	Result	Reporting Limit	Units	Method	Notes
Barium	170	1.0	mg/kg	EPA 6010b	
Chromium	18	2.0	mg/kg	EPA 6010b	
Cobalt	15	2.0	mg/kg	EPA 6010b	
Copper	30	1.0	mg/kg	EPA 6010b	
Lead	7.2	3.0	mg/kg	EPA 6010b	
Molybdenum	6.7	5.0	mg/kg	EPA 6010b	
Nickel	33	2.0	mg/kg	EPA 6010b	
Vanadium	43	5.0	mg/kg	EPA 6010b	
Zinc	72	1.0	mg/kg	EPA 6010b	

Sample ID: B2@10 **Laboratory ID:** T183752-09

Analyte	Result	Reporting Limit	Units	Method	Notes
Barium	91	1.0	mg/kg	EPA 6010b	
Chromium	19	2.0	mg/kg	EPA 6010b	
Cobalt	14	2.0	mg/kg	EPA 6010b	
Copper	28	1.0	mg/kg	EPA 6010b	
Lead	6.9	3.0	mg/kg	EPA 6010b	
Molybdenum	5.5	5.0	mg/kg	EPA 6010b	
Nickel	24	2.0	mg/kg	EPA 6010b	
Vanadium	34	5.0	mg/kg	EPA 6010b	
Zinc	64	1.0	mg/kg	EPA 6010b	

Sample ID: B2@15 **Laboratory ID:** T183752-10

Analyte	Result	Reporting Limit	Units	Method	Notes
Barium	60	1.0	mg/kg	EPA 6010b	
Chromium	14	2.0	mg/kg	EPA 6010b	
Cobalt	14	2.0	mg/kg	EPA 6010b	
Copper	27	1.0	mg/kg	EPA 6010b	
Lead	6.1	3.0	mg/kg	EPA 6010b	
Molybdenum	8.4	5.0	mg/kg	EPA 6010b	
Nickel	38	2.0	mg/kg	EPA 6010b	
Vanadium	33	5.0	mg/kg	EPA 6010b	
Zinc	57	1.0	mg/kg	EPA 6010b	

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Joann Marroquin

Joann Marroquin, Client Services Manager

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

Sample ID: B3@1 **Laboratory ID:** T183752-11

Analyte	Result	Reporting Limit	Units	Method	Notes
C23-C32 (MORO)	**220**	10	mg/kg	EPA 8015B	
Barium	**150**	1.0	mg/kg	EPA 6010b	
Chromium	**14**	2.0	mg/kg	EPA 6010b	
Cobalt	**12**	2.0	mg/kg	EPA 6010b	
Copper	**27**	1.0	mg/kg	EPA 6010b	
Lead	**10**	3.0	mg/kg	EPA 6010b	
Molybdenum	**5.4**	5.0	mg/kg	EPA 6010b	
Nickel	**32**	2.0	mg/kg	EPA 6010b	
Vanadium	**37**	5.0	mg/kg	EPA 6010b	
Zinc	**67**	1.0	mg/kg	EPA 6010b	
Ethylbenzene	**22**	4.9	ug/kg	EPA 8260B/5035	5035R
m,p-Xylene	**110**	9.8	ug/kg	EPA 8260B/5035	5035R
o-Xylene	**45**	4.9	ug/kg	EPA 8260B/5035	5035R

Sample ID: B3@5 **Laboratory ID:** T183752-12

Analyte	Result	Reporting Limit	Units	Method	Notes
Barium	**130**	1.0	mg/kg	EPA 6010b	
Chromium	**19**	2.0	mg/kg	EPA 6010b	
Cobalt	**9.7**	2.0	mg/kg	EPA 6010b	
Copper	**34**	1.0	mg/kg	EPA 6010b	
Lead	**8.0**	3.0	mg/kg	EPA 6010b	
Molybdenum	**6.2**	5.0	mg/kg	EPA 6010b	
Nickel	**22**	2.0	mg/kg	EPA 6010b	
Vanadium	**40**	5.0	mg/kg	EPA 6010b	
Zinc	**73**	1.0	mg/kg	EPA 6010b	

Sample ID: B3@10 **Laboratory ID:** T183752-13

Analyte	Result	Reporting Limit	Units	Method	Notes
Arsenic	**6.2**	5.0	mg/kg	EPA 6010b	
Barium	**120**	1.0	mg/kg	EPA 6010b	
Chromium	**17**	2.0	mg/kg	EPA 6010b	
Cobalt	**15**	2.0	mg/kg	EPA 6010b	
Copper	**40**	1.0	mg/kg	EPA 6010b	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

Sample ID: B3@10 **Laboratory ID:** T183752-13

Analyte	Result	Reporting Limit	Units	Method	Notes
Lead	**8.3**	3.0	mg/kg	EPA 6010b	
Molybdenum	**14**	5.0	mg/kg	EPA 6010b	
Nickel	**43**	2.0	mg/kg	EPA 6010b	
Vanadium	**45**	5.0	mg/kg	EPA 6010b	
Zinc	**84**	1.0	mg/kg	EPA 6010b	

Sample ID: B3@15 **Laboratory ID:** T183752-14

Analyte	Result	Reporting Limit	Units	Method	Notes
Arsenic	**7.4**	5.0	mg/kg	EPA 6010b	
Barium	**85**	1.0	mg/kg	EPA 6010b	
Chromium	**17**	2.0	mg/kg	EPA 6010b	
Cobalt	**18**	2.0	mg/kg	EPA 6010b	
Copper	**31**	1.0	mg/kg	EPA 6010b	
Lead	**7.4**	3.0	mg/kg	EPA 6010b	
Molybdenum	**10**	5.0	mg/kg	EPA 6010b	
Nickel	**46**	2.0	mg/kg	EPA 6010b	
Vanadium	**43**	5.0	mg/kg	EPA 6010b	
Zinc	**83**	1.0	mg/kg	EPA 6010b	
Ethylbenzene	**7.1**	5.2	ug/kg	EPA 8260B/5035	5035R, M-02

Sample ID: B4@1 **Laboratory ID:** T183752-15

Analyte	Result	Reporting Limit	Units	Method	Notes
C23-C32 (MORO)	**450**	10	mg/kg	EPA 8015B	
Barium	**320**	1.0	mg/kg	EPA 6010b	
Chromium	**14**	2.0	mg/kg	EPA 6010b	
Cobalt	**13**	2.0	mg/kg	EPA 6010b	
Copper	**30**	1.0	mg/kg	EPA 6010b	
Lead	**11**	3.0	mg/kg	EPA 6010b	
Molybdenum	**8.4**	5.0	mg/kg	EPA 6010b	
Nickel	**29**	2.0	mg/kg	EPA 6010b	
Vanadium	**36**	5.0	mg/kg	EPA 6010b	
Zinc	**81**	1.0	mg/kg	EPA 6010b	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

Sample ID: B4@5 **Laboratory ID:** T183752-16

Analyte	Result	Reporting Limit	Units	Method	Notes
Barium	**86**	1.0	mg/kg	EPA 6010b	
Chromium	**16**	2.0	mg/kg	EPA 6010b	
Cobalt	**11**	2.0	mg/kg	EPA 6010b	
Copper	**23**	1.0	mg/kg	EPA 6010b	
Lead	**6.6**	3.0	mg/kg	EPA 6010b	
Molybdenum	**5.6**	5.0	mg/kg	EPA 6010b	
Nickel	**21**	2.0	mg/kg	EPA 6010b	
Vanadium	**35**	5.0	mg/kg	EPA 6010b	
Zinc	**63**	1.0	mg/kg	EPA 6010b	

Sample ID: B4@10 **Laboratory ID:** T183752-17

Analyte	Result	Reporting Limit	Units	Method	Notes
C23-C32 (MORO)	**110**	10	mg/kg	EPA 8015B	
Arsenic	**5.5**	5.0	mg/kg	EPA 6010b	
Barium	**69**	1.0	mg/kg	EPA 6010b	
Chromium	**16**	2.0	mg/kg	EPA 6010b	
Cobalt	**11**	2.0	mg/kg	EPA 6010b	
Copper	**28**	1.0	mg/kg	EPA 6010b	
Lead	**8.1**	3.0	mg/kg	EPA 6010b	
Molybdenum	**7.3**	5.0	mg/kg	EPA 6010b	
Nickel	**25**	2.0	mg/kg	EPA 6010b	
Vanadium	**36**	5.0	mg/kg	EPA 6010b	
Zinc	**71**	1.0	mg/kg	EPA 6010b	
1,2,4-Trimethylbenzene	**6.2**	5.5	ug/kg	EPA 8260B/5035	5035R
Ethylbenzene	**5.7**	5.5	ug/kg	EPA 8260B/5035	5035R

Sample ID: B4@15 **Laboratory ID:** T183752-18

Analyte	Result	Reporting Limit	Units	Method	Notes
Arsenic	**5.9**	5.0	mg/kg	EPA 6010b	
Barium	**110**	1.0	mg/kg	EPA 6010b	
Chromium	**16**	2.0	mg/kg	EPA 6010b	
Cobalt	**9.1**	2.0	mg/kg	EPA 6010b	
Copper	**29**	1.0	mg/kg	EPA 6010b	

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Sample ID: B4@15 **Laboratory ID:** T183752-18

Analyte	Result	Reporting Limit	Units	Method	Notes
Lead	**6.9**	3.0	mg/kg	EPA 6010b	
Molybdenum	**8.7**	5.0	mg/kg	EPA 6010b	
Nickel	**20**	2.0	mg/kg	EPA 6010b	
Vanadium	**40**	5.0	mg/kg	EPA 6010b	
Zinc	**74**	1.0	mg/kg	EPA 6010b	

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B1@1

T183752-01 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015B									
C4-C12 (GRO)	ND	510	ug/kg	1	8121929	12/19/18	12/19/18	EPA 8015B/5035	
Surrogate: a,a,a-Trifluorotoluene		*65.7 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015B									
C13-C22 (DRO)	ND	10	mg/kg	1	8122017	12/20/18	12/27/18	EPA 8015B	
C23-C32 (MORO)	**310**	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*94.2 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	8122127	12/21/18	12/26/18	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	**110**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	12/26/18	"	
Cadmium	ND	2.0	"	"	"	"	12/26/18	"	
Chromium	**13**	2.0	"	"	"	"	"	"	
Cobalt	**7.7**	2.0	"	"	"	"	"	"	
Copper	**15**	1.0	"	"	"	"	"	"	
Lead	**26**	3.0	"	"	"	"	"	"	
Molybdenum	ND	5.0	"	"	"	"	"	"	
Nickel	**10**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**36**	5.0	"	"	"	"	"	"	
Zinc	**75**	1.0	"	"	"	"	"	"	

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B1@1

T183752-01 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cold Vapor Extraction EPA 7470/7471									
Mercury	**0.14**	0.10	mg/kg	1	8122126	12/21/18	12/26/18	EPA 7471A Soil	
Organochlorine Pesticides by EPA Method 8081A									
alpha-BHC	ND	100	ug/kg	20	8121933	12/19/18	12/20/18	EPA 8081A	R-07
gamma-BHC (Lindane)	ND	100	"	"	"	"	"	"	R-07
beta-BHC	ND	100	"	"	"	"	"	"	R-07
delta-BHC	ND	100	"	"	"	"	"	"	R-07
Heptachlor	ND	100	"	"	"	"	"	"	R-07
Aldrin	ND	100	"	"	"	"	"	"	R-07
Heptachlor epoxide	ND	100	"	"	"	"	"	"	R-07
gamma-Chlordane	ND	100	"	"	"	"	"	"	R-07
alpha-Chlordane	ND	100	"	"	"	"	"	"	R-07
Endosulfan I	ND	100	"	"	"	"	"	"	R-07
4,4´-DDE	ND	100	"	"	"	"	"	"	R-07
Dieldrin	ND	100	"	"	"	"	"	"	R-07
Endrin	ND	100	"	"	"	"	"	"	R-07
4,4´-DDD	ND	100	"	"	"	"	"	"	R-07
Endosulfan II	ND	100	"	"	"	"	"	"	R-07
4,4´-DDT	ND	100	"	"	"	"	"	"	R-07
Endrin aldehyde	ND	100	"	"	"	"	"	"	R-07
Endosulfan sulfate	ND	100	"	"	"	"	"	"	R-07
Methoxychlor	ND	100	"	"	"	"	"	"	R-07
Endrin ketone	ND	100	"	"	"	"	"	"	R-07
Toxaphene	ND	400	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		*75.7 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*77.0 %*	*35-140*		"	"	"	"	

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T183752-01 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	10	ug/kg	1	8121934	12/19/18	12/26/18	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*76.0 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*73.7 %*	*35-140*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.3	ug/kg	1	8121925	12/19/18	12/22/18	EPA 8260B/5035	
Bromochloromethane	ND	5.3	"	"	"	"	"	"	
Bromodichloromethane	ND	5.3	"	"	"	"	"	"	
Bromoform	ND	5.3	"	"	"	"	"	"	
Bromomethane	ND	5.3	"	"	"	"	"	"	
n-Butylbenzene	ND	5.3	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.3	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.3	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.3	"	"	"	"	"	"	
Chlorobenzene	ND	5.3	"	"	"	"	"	"	
Chloroethane	ND	5.3	"	"	"	"	"	"	
Chloroform	ND	5.3	"	"	"	"	"	"	
Chloromethane	ND	5.3	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.3	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.3	"	"	"	"	"	"	
Dibromochloromethane	ND	5.3	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	11	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.3	"	"	"	"	"	"	
Dibromomethane	ND	5.3	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.3	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.3	"	"	"	"	"	"	

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T183752-01 (Soil)

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Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	5.3	ug/kg	1	8121925	12/19/18	12/22/18	EPA 8260B/5035	
Dichlorodifluoromethane	ND	5.3	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.3	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.3	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.3	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.3	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.3	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.3	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.3	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.3	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.3	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.3	"	"	"	"	"	"	
Isopropylbenzene	ND	5.3	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.3	"	"	"	"	"	"	
Methylene chloride	ND	5.3	"	"	"	"	"	"	
Naphthalene	ND	5.3	"	"	"	"	"	"	
n-Propylbenzene	ND	5.3	"	"	"	"	"	"	
Styrene	ND	5.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.3	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.3	"	"	"	"	"	"	
Tetrachloroethene	ND	5.3	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.3	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.3	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.3	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.3	"	"	"	"	"	"	
Trichloroethene	ND	5.3	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.3	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.3	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.3	"	"	"	"	"	"	

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24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

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T183752-01 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
1,2,4-Trimethylbenzene	ND	5.3	ug/kg	1	8121925	12/19/18	12/22/18	EPA 8260B/5035	
Vinyl chloride	ND	5.3	"	"	"	"	"	"	
Benzene	ND	5.3	"	"	"	"	"	"	
Toluene	ND	5.3	"	"	"	"	"	"	
Ethylbenzene	ND	5.3	"	"	"	"	"	"	
m,p-Xylene	ND	11	"	"	"	"	"	"	
o-Xylene	ND	5.3	"	"	"	"	"	"	
Surrogate: Toluene-d8		*96.4 %*	*76.1-127*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*	*85.9-114*		"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*77.8-142*		"	"	"	"	
Semivolatile Organic Compounds by EPA Method 8270C									
Carbazole	ND	300000	ug/kg	1000	8122018	12/20/18	12/26/18	EPA 8270C	R-07
Phenol	ND	1000000	"	"	"	"	"	"	R-07
Aniline	ND	300000	"	"	"	"	"	"	R-07
2-Chlorophenol	ND	1000000	"	"	"	"	"	"	R-07
1,4-Dichlorobenzene	ND	300000	"	"	"	"	"	"	R-07
N-Nitrosodi-n-propylamine	ND	300000	"	"	"	"	"	"	R-07
1,2,4-Trichlorobenzene	ND	300000	"	"	"	"	"	"	R-07
4-Chloro-3-methylphenol	ND	1000000	"	"	"	"	"	"	R-07
2-Methylnaphthalene	ND	300000	"	"	"	"	"	"	R-07
1-Methylnaphthalene	ND	300000	"	"	"	"	"	"	R-07
Acenaphthene	ND	300000	"	"	"	"	"	"	R-07
4-Nitrophenol	ND	1000000	"	"	"	"	"	"	R-07
2,4-Dinitrotoluene	ND	300000	"	"	"	"	"	"	R-07
Pentachlorophenol	ND	1000000	"	"	"	"	"	"	R-07
Pyrene	ND	300000	"	"	"	"	"	"	R-07
Acenaphthylene	ND	300000	"	"	"	"	"	"	R-07
Anthracene	ND	300000	"	"	"	"	"	"	R-07
Benzo (a) anthracene	ND	300000	"	"	"	"	"	"	R-07
Benzo (b) fluoranthene	ND	300000	"	"	"	"	"	"	R-07
Benzo (k) fluoranthene	ND	300000	"	"	"	"	"	"	R-07

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Joann Marroquin

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

B1@1

T183752-01 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (g,h,i) perylene	ND	1000000	ug/kg	1000	8122018	12/20/18	12/26/18	EPA 8270C	R-07
Benzo (a) pyrene	ND	300000	"	"	"	"	"	"	R-07
Benzyl alcohol	ND	300000	"	"	"	"	"	"	R-07
Bis(2-chloroethoxy)methane	ND	300000	"	"	"	"	"	"	R-07
Bis(2-chloroethyl)ether	ND	300000	"	"	"	"	"	"	R-07
Bis(2-chloroisopropyl)ether	ND	300000	"	"	"	"	"	"	R-07
Bis(2-ethylhexyl)phthalate	ND	300000	"	"	"	"	"	"	R-07
4-Bromophenyl phenyl ether	ND	300000	"	"	"	"	"	"	R-07
Butyl benzyl phthalate	ND	300000	"	"	"	"	"	"	R-07
4-Chloroaniline	ND	300000	"	"	"	"	"	"	R-07
2-Chloronaphthalene	ND	300000	"	"	"	"	"	"	R-07
4-Chlorophenyl phenyl ether	ND	300000	"	"	"	"	"	"	R-07
Chrysene	ND	300000	"	"	"	"	"	"	R-07
Dibenz (a,h) anthracene	ND	300000	"	"	"	"	"	"	R-07
Dibenzofuran	ND	300000	"	"	"	"	"	"	R-07
Di-n-butyl phthalate	ND	300000	"	"	"	"	"	"	R-07
1,2-Dichlorobenzene	ND	300000	"	"	"	"	"	"	R-07
1,3-Dichlorobenzene	ND	300000	"	"	"	"	"	"	R-07
2,4-Dichlorophenol	ND	1000000	"	"	"	"	"	"	R-07
Diethyl phthalate	ND	300000	"	"	"	"	"	"	R-07
2,4-Dimethylphenol	ND	1000000	"	"	"	"	"	"	R-07
Dimethyl phthalate	ND	300000	"	"	"	"	"	"	R-07
4,6-Dinitro-2-methylphenol	ND	1000000	"	"	"	"	"	"	R-07
2,4-Dinitrophenol	ND	1000000	"	"	"	"	"	"	R-07
2,6-Dinitrotoluene	ND	1000000	"	"	"	"	"	"	R-07
Di-n-octyl phthalate	ND	300000	"	"	"	"	"	"	R-07
Fluoranthene	ND	300000	"	"	"	"	"	"	R-07
Fluorene	ND	300000	"	"	"	"	"	"	R-07
Hexachlorobenzene	ND	1500000	"	"	"	"	"	"	R-07
Hexachlorobutadiene	ND	300000	"	"	"	"	"	"	R-07
Hexachlorocyclopentadiene	ND	1000000	"	"	"	"	"	"	R-07
Hexachloroethane	ND	300000	"	"	"	"	"	"	R-07

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T183752-01 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Indeno (1,2,3-cd) pyrene	ND	300000	ug/kg	1000	8122018	12/20/18	12/26/18	EPA 8270C	R-07
Isophorone	ND	300000	"	"	"	"	"	"	R-07
2-Methylphenol	ND	1000000	"	"	"	"	"	"	R-07
4-Methylphenol	ND	1000000	"	"	"	"	"	"	R-07
Naphthalene	ND	300000	"	"	"	"	"	"	R-07
2-Nitroaniline	ND	300000	"	"	"	"	"	"	R-07
3-Nitroaniline	ND	300000	"	"	"	"	"	"	R-07
4-Nitroaniline	ND	300000	"	"	"	"	"	"	R-07
Nitrobenzene	ND	1000000	"	"	"	"	"	"	R-07
2-Nitrophenol	ND	1000000	"	"	"	"	"	"	R-07
N-Nitrosodimethylamine	ND	300000	"	"	"	"	"	"	R-07
N-Nitrosodiphenylamine	ND	300000	"	"	"	"	"	"	R-07
2,3,5,6-Tetrachlorophenol	ND	300000	"	"	"	"	"	"	R-07
2,3,4,6-Tetrachlorophenol	ND	300000	"	"	"	"	"	"	R-07
Phenanthrene	ND	300000	"	"	"	"	"	"	R-07
Azobenzene	ND	300000	"	"	"	"	"	"	R-07
Pyridine	ND	300000	"	"	"	"	"	"	R-07
2,4,5-Trichlorophenol	ND	1000000	"	"	"	"	"	"	R-07
2,4,6-Trichlorophenol	ND	1000000	"	"	"	"	"	"	R-07
Surrogate: 2-Fluorophenol		*%*	*15-121*		"	"	"	"	*S-01*
Surrogate: Phenol-d6		*%*	*24-113*		"	"	"	"	*S-01*
Surrogate: Nitrobenzene-d5		*%*	*21.3-119*		"	"	"	"	*S-01*
Surrogate: 2-Fluorobiphenyl		*%*	*32.4-102*		"	"	"	"	*S-01*
Surrogate: 2,4,6-Tribromophenol		*%*	*18.1-105*		"	"	"	"	*S-01*
Surrogate: Terphenyl-dl4		*%*	*29.1-130*		"	"	"	"	*S-01*

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T183752-02 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015B									
C4-C12 (GRO)	ND	660	ug/kg	1	8121929	12/19/18	12/19/18	EPA 8015B/5035	
Surrogate: a,a,a-Trifluorotoluene		*73.0 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015B									
C13-C22 (DRO)	ND	10	mg/kg	1	8122017	12/20/18	12/27/18	EPA 8015B	
C23-C32 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*93.8 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	8122127	12/21/18	12/26/18	EPA 6010b	
Silver	ND	2.0	"	"	"	"	12/26/18	"	
Arsenic	**5.1**	5.0	"	"	"	"	12/26/18	"	
Barium	**160**	1.0	"	"	"	"	12/26/18	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	12/26/18	"	
Chromium	**19**	2.0	"	"	"	"	"	"	
Cobalt	**8.3**	2.0	"	"	"	"	"	"	
Copper	**30**	1.0	"	"	"	"	12/26/18	"	
Lead	**6.2**	3.0	"	"	"	"	12/26/18	"	
Molybdenum	**8.5**	5.0	"	"	"	"	"	"	
Nickel	**21**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**42**	5.0	"	"	"	"	12/26/18	"	
Zinc	**71**	1.0	"	"	"	"	12/26/18	"	

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T183752-02 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	8122126	12/21/18	12/26/18	EPA 7471A Soil	
Organochlorine Pesticides by EPA Method 8081A									
alpha-BHC	ND	5.0	ug/kg	1	8121933	12/19/18	12/20/18	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4´-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4´-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4´-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*86.0 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*103 %*	*35-140*		"	"	"	"	

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T183752-02 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	10	ug/kg	1	8121934	12/19/18	12/26/18	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*63.5 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*68.0 %*	*35-140*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	6.2	ug/kg	1	8121925	12/19/18	12/27/18	EPA 8260B/5035	5035R
Bromochloromethane	ND	6.2	"	"	"	"	"	"	5035R
Bromodichloromethane	ND	6.2	"	"	"	"	"	"	5035R
Bromoform	ND	6.2	"	"	"	"	"	"	5035R
Bromomethane	ND	6.2	"	"	"	"	"	"	5035R
n-Butylbenzene	ND	6.2	"	"	"	"	"	"	5035R
sec-Butylbenzene	ND	6.2	"	"	"	"	"	"	5035R
tert-Butylbenzene	ND	6.2	"	"	"	"	"	"	5035R
Carbon tetrachloride	ND	6.2	"	"	"	"	"	"	5035R
Chlorobenzene	ND	6.2	"	"	"	"	"	"	5035R
Chloroethane	ND	6.2	"	"	"	"	"	"	5035R
Chloroform	ND	6.2	"	"	"	"	"	"	5035R
Chloromethane	ND	6.2	"	"	"	"	"	"	5035R
2-Chlorotoluene	ND	6.2	"	"	"	"	"	"	5035R
4-Chlorotoluene	ND	6.2	"	"	"	"	"	"	5035R
Dibromochloromethane	ND	6.2	"	"	"	"	"	"	5035R
1,2-Dibromo-3-chloropropane	ND	12	"	"	"	"	"	"	5035R
1,2-Dibromoethane (EDB)	ND	6.2	"	"	"	"	"	"	5035R
Dibromomethane	ND	6.2	"	"	"	"	"	"	5035R
1,2-Dichlorobenzene	ND	6.2	"	"	"	"	"	"	5035R
1,3-Dichlorobenzene	ND	6.2	"	"	"	"	"	"	5035R

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T183752-02 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	6.2	ug/kg	1	8121925	12/19/18	12/27/18	EPA 8260B/5035	5035R
Dichlorodifluoromethane	ND	6.2	"	"	"	"	"	"	5035R
1,1-Dichloroethane	ND	6.2	"	"	"	"	"	"	5035R
1,2-Dichloroethane	ND	6.2	"	"	"	"	"	"	5035R
1,1-Dichloroethene	ND	6.2	"	"	"	"	"	"	5035R
cis-1,2-Dichloroethene	ND	6.2	"	"	"	"	"	"	5035R
trans-1,2-Dichloroethene	ND	6.2	"	"	"	"	"	"	5035R
1,2-Dichloropropane	ND	6.2	"	"	"	"	"	"	5035R
1,3-Dichloropropane	ND	6.2	"	"	"	"	"	"	5035R
2,2-Dichloropropane	ND	6.2	"	"	"	"	"	"	5035R
1,1-Dichloropropene	ND	6.2	"	"	"	"	"	"	5035R
cis-1,3-Dichloropropene	ND	6.2	"	"	"	"	"	"	5035R
trans-1,3-Dichloropropene	ND	6.2	"	"	"	"	"	"	5035R
Hexachlorobutadiene	ND	6.2	"	"	"	"	"	"	5035R
Isopropylbenzene	ND	6.2	"	"	"	"	"	"	5035R
p-Isopropyltoluene	ND	6.2	"	"	"	"	"	"	5035R
Methylene chloride	ND	6.2	"	"	"	"	"	"	5035R
Naphthalene	ND	6.2	"	"	"	"	"	"	5035R
n-Propylbenzene	ND	6.2	"	"	"	"	"	"	5035R
Styrene	ND	6.2	"	"	"	"	"	"	5035R
1,1,2,2-Tetrachloroethane	ND	6.2	"	"	"	"	"	"	5035R
1,1,1,2-Tetrachloroethane	ND	6.2	"	"	"	"	"	"	5035R
Tetrachloroethene	ND	6.2	"	"	"	"	"	"	5035R
1,2,3-Trichlorobenzene	ND	6.2	"	"	"	"	"	"	5035R
1,2,4-Trichlorobenzene	ND	6.2	"	"	"	"	"	"	5035R
1,1,2-Trichloroethane	ND	6.2	"	"	"	"	"	"	5035R
1,1,1-Trichloroethane	ND	6.2	"	"	"	"	"	"	5035R
Trichloroethene	ND	6.2	"	"	"	"	"	"	5035R
Trichlorofluoromethane	ND	6.2	"	"	"	"	"	"	5035R
1,2,3-Trichloropropane	ND	6.2	"	"	"	"	"	"	5035R
1,3,5-Trimethylbenzene	ND	6.2	"	"	"	"	"	"	5035R

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T183752-02 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
1,2,4-Trimethylbenzene	ND	6.2	ug/kg	1	8121925	12/19/18	12/27/18	EPA 8260B/5035	5035R
Vinyl chloride	ND	6.2	"	"	"	"	"	"	5035R
Benzene	ND	6.2	"	"	"	"	"	"	5035R
Toluene	ND	6.2	"	"	"	"	"	"	5035R
Ethylbenzene	ND	6.2	"	"	"	"	"	"	5035R
m,p-Xylene	ND	12	"	"	"	"	"	"	5035R
o-Xylene	ND	6.2	"	"	"	"	"	"	5035R
Surrogate: Toluene-d8		*101 %*	*76.1-127*		"	"	"	"	*5035R*
Surrogate: 4-Bromofluorobenzene		*105 %*	*85.9-114*		"	"	"	"	*5035R*
Surrogate: Dibromofluoromethane		*110 %*	*77.8-142*		"	"	"	"	*5035R*
Semivolatile Organic Compounds by EPA Method 8270C									
Carbazole	ND	300	ug/kg	1	8122018	12/20/18	12/26/18	EPA 8270C	
Phenol	ND	1000	"	"	"	"	"	"	
Aniline	ND	300	"	"	"	"	"	"	
2-Chlorophenol	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1000	"	"	"	"	"	"	
2-Methylnaphthalene	ND	300	"	"	"	"	"	"	
1-Methylnaphthalene	ND	300	"	"	"	"	"	"	
Acenaphthene	ND	300	"	"	"	"	"	"	
4-Nitrophenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	300	"	"	"	"	"	"	
Pentachlorophenol	ND	1000	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	

SunStar Laboratories, Inc.

Joann Marroquin

Joann Marroquin, Client Services Manager

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

B1@5

T183752-02 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (g,h,i) perylene	ND	1000	ug/kg	1	8122018	12/20/18	12/26/18	EPA 8270C	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Benzyl alcohol	ND	300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	300	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	300	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	300	"	"	"	"	"	"	
4-Chloroaniline	ND	300	"	"	"	"	"	"	
2-Chloronaphthalene	ND	300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Dibenzofuran	ND	300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1000	"	"	"	"	"	"	
Diethyl phthalate	ND	300	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1000	"	"	"	"	"	"	
Dimethyl phthalate	ND	300	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Hexachlorobenzene	ND	1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND	300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	1000	"	"	"	"	"	"	
Hexachloroethane	ND	300	"	"	"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

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T183752-02 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Indeno (1,2,3-cd) pyrene	ND	300	ug/kg	1	8122018	12/20/18	12/26/18	EPA 8270C	
Isophorone	ND	300	"	"	"	"	"	"	
2-Methylphenol	ND	1000	"	"	"	"	"	"	
4-Methylphenol	ND	1000	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
2-Nitroaniline	ND	300	"	"	"	"	"	"	
3-Nitroaniline	ND	300	"	"	"	"	"	"	
4-Nitroaniline	ND	300	"	"	"	"	"	"	
Nitrobenzene	ND	1000	"	"	"	"	"	"	
2-Nitrophenol	ND	1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
Azobenzene	ND	300	"	"	"	"	"	"	
Pyridine	ND	300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	1000	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*61.4 %*	*15-121*		"	"	"	"	
Surrogate: Phenol-d6		*58.1 %*	*24-113*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*66.9 %*	*21.3-119*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*74.2 %*	*32.4-102*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*86.2 %*	*18.1-105*		"	"	"	"	
Surrogate: Terphenyl-dl4		*85.7 %*	*29.1-130*		"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

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T183752-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015B									
C4-C12 (GRO)	ND	480	ug/kg	1	8121929	12/19/18	12/21/18	EPA 8015B/5035	
Surrogate: a,a,a-Trifluorotoluene		*68.4 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015B									
C13-C22 (DRO)	ND	10	mg/kg	1	8122017	12/20/18	12/27/18	EPA 8015B	
C23-C32 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*91.1 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	8122127	12/21/18	12/26/18	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	**5.3**	5.0	"	"	"	"	"	"	
Barium	**220**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	12/26/18	"	
Cadmium	ND	2.0	"	"	"	"	12/26/18	"	
Chromium	**16**	2.0	"	"	"	"	"	"	
Cobalt	**18**	2.0	"	"	"	"	"	"	
Copper	**35**	1.0	"	"	"	"	"	"	
Lead	**7.5**	3.0	"	"	"	"	"	"	
Molybdenum	**14**	5.0	"	"	"	"	"	"	
Nickel	**44**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**47**	5.0	"	"	"	"	"	"	
Zinc	**83**	1.0	"	"	"	"	"	"	

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T183752-03 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	8122126	12/21/18	12/26/18	EPA 7471A Soil	
Organochlorine Pesticides by EPA Method 8081A									
alpha-BHC	ND	5.0	ug/kg	1	8121933	12/19/18	12/20/18	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*89.8 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*98.7 %*	*35-140*		"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

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T183752-03 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	10	ug/kg	1	8121934	12/19/18	12/26/18	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*68.4 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*74.1 %*	*35-140*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	4.7	ug/kg	1	8121925	12/19/18	12/22/18	EPA 8260B/5035	
Bromochloromethane	ND	4.7	"	"	"	"	"	"	
Bromodichloromethane	ND	4.7	"	"	"	"	"	"	
Bromoform	ND	4.7	"	"	"	"	"	"	
Bromomethane	ND	4.7	"	"	"	"	"	"	
n-Butylbenzene	ND	4.7	"	"	"	"	"	"	
sec-Butylbenzene	ND	4.7	"	"	"	"	"	"	
tert-Butylbenzene	ND	4.7	"	"	"	"	"	"	
Carbon tetrachloride	ND	4.7	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Chloroethane	ND	4.7	"	"	"	"	"	"	
Chloroform	ND	4.7	"	"	"	"	"	"	
Chloromethane	ND	4.7	"	"	"	"	"	"	
2-Chlorotoluene	ND	4.7	"	"	"	"	"	"	
4-Chlorotoluene	ND	4.7	"	"	"	"	"	"	
Dibromochloromethane	ND	4.7	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	9.4	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	4.7	"	"	"	"	"	"	
Dibromomethane	ND	4.7	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	4.7	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	4.7	"	"	"	"	"	"	

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T183752-03 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	4.7	ug/kg	1	8121925	12/19/18	12/22/18	EPA 8260B/5035	
Dichlorodifluoromethane	ND	4.7	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.7	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.7	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.7	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.7	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.7	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.7	"	"	"	"	"	"	
1,3-Dichloropropane	ND	4.7	"	"	"	"	"	"	
2,2-Dichloropropane	ND	4.7	"	"	"	"	"	"	
1,1-Dichloropropene	ND	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.7	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.7	"	"	"	"	"	"	
Hexachlorobutadiene	ND	4.7	"	"	"	"	"	"	
Isopropylbenzene	ND	4.7	"	"	"	"	"	"	
p-Isopropyltoluene	ND	4.7	"	"	"	"	"	"	
Methylene chloride	ND	4.7	"	"	"	"	"	"	
Naphthalene	ND	4.7	"	"	"	"	"	"	
n-Propylbenzene	ND	4.7	"	"	"	"	"	"	
Styrene	ND	4.7	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	4.7	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	4.7	"	"	"	"	"	"	
Tetrachloroethene	ND	4.7	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	4.7	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	4.7	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	4.7	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	4.7	"	"	"	"	"	"	
Trichloroethene	ND	4.7	"	"	"	"	"	"	
Trichlorofluoromethane	ND	4.7	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	4.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	4.7	"	"	"	"	"	"	

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T183752-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
1,2,4-Trimethylbenzene	ND	4.7	ug/kg	1	8121925	12/19/18	12/22/18	EPA 8260B/5035	
Vinyl chloride	ND	4.7	"	"	"	"	"	"	
Benzene	ND	4.7	"	"	"	"	"	"	
Toluene	ND	4.7	"	"	"	"	"	"	
Ethylbenzene	ND	4.7	"	"	"	"	"	"	
m,p-Xylene	ND	9.4	"	"	"	"	"	"	
o-Xylene	ND	4.7	"	"	"	"	"	"	
Surrogate: Toluene-d8		*95.0 %*	*76.1-127*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*	*85.9-114*		"	"	"	"	
Surrogate: Dibromofluoromethane		*97.8 %*	*77.8-142*		"	"	"	"	
Semivolatile Organic Compounds by EPA Method 8270C									
Carbazole	ND	300	ug/kg	1	8122018	12/20/18	12/26/18	EPA 8270C	
Phenol	ND	1000	"	"	"	"	"	"	
Aniline	ND	300	"	"	"	"	"	"	
2-Chlorophenol	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1000	"	"	"	"	"	"	
2-Methylnaphthalene	ND	300	"	"	"	"	"	"	
1-Methylnaphthalene	ND	300	"	"	"	"	"	"	
Acenaphthene	ND	300	"	"	"	"	"	"	
4-Nitrophenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	300	"	"	"	"	"	"	
Pentachlorophenol	ND	1000	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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T183752-03 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (g,h,i) perylene	ND	1000	ug/kg	1	8122018	12/20/18	12/26/18	EPA 8270C	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Benzyl alcohol	ND	300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	300	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	300	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	300	"	"	"	"	"	"	
4-Chloroaniline	ND	300	"	"	"	"	"	"	
2-Chloronaphthalene	ND	300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Dibenzofuran	ND	300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1000	"	"	"	"	"	"	
Diethyl phthalate	ND	300	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1000	"	"	"	"	"	"	
Dimethyl phthalate	ND	300	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Hexachlorobenzene	ND	1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND	300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	1000	"	"	"	"	"	"	
Hexachloroethane	ND	300	"	"	"	"	"	"	

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24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

B1@10

T183752-03 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Indeno (1,2,3-cd) pyrene	ND	300	ug/kg	1	8122018	12/20/18	12/26/18	EPA 8270C	
Isophorone	ND	300	"	"	"	"	"	"	
2-Methylphenol	ND	1000	"	"	"	"	"	"	
4-Methylphenol	ND	1000	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
2-Nitroaniline	ND	300	"	"	"	"	"	"	
3-Nitroaniline	ND	300	"	"	"	"	"	"	
4-Nitroaniline	ND	300	"	"	"	"	"	"	
Nitrobenzene	ND	1000	"	"	"	"	"	"	
2-Nitrophenol	ND	1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
Azobenzene	ND	300	"	"	"	"	"	"	
Pyridine	ND	300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	1000	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*57.9 %*	*15-121*		"	"	"	"	
Surrogate: Phenol-d6		*57.4 %*	*24-113*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*66.1 %*	*21.3-119*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*73.5 %*	*32.4-102*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*90.0 %*	*18.1-105*		"	"	"	"	
Surrogate: Terphenyl-dl4		*91.3 %*	*29.1-130*		"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

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T183752-04 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015B									
C4-C12 (GRO)	ND	630	ug/kg	1	8121929	12/19/18	12/19/18	EPA 8015B/5035	
Surrogate: a,a,a-Trifluorotoluene		*72.1 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015B									
C13-C22 (DRO)	ND	10	mg/kg	1	8122017	12/20/18	12/27/18	EPA 8015B	
C23-C32 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*96.4 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	8122127	12/21/18	12/26/18	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	**5.8**	5.0	"	"	"	"	"	"	
Barium	**240**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	**18**	2.0	"	"	"	"	"	"	
Cobalt	**11**	2.0	"	"	"	"	"	"	
Copper	**29**	1.0	"	"	"	"	"	"	
Lead	**5.8**	3.0	"	"	"	"	"	"	
Molybdenum	**12**	5.0	"	"	"	"	"	"	
Nickel	**31**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**44**	5.0	"	"	"	"	"	"	
Zinc	**87**	1.0	"	"	"	"	"	"	

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T183752-04 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	8122126	12/21/18	12/26/18	EPA 7471A Soil	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	4.7	ug/kg	1	8121925	12/19/18	12/27/18	EPA 8260B/5035	M-02, 5035R
Bromochloromethane	ND	4.7	"	"	"	"	"	"	M-02, 5035R
Bromodichloromethane	ND	4.7	"	"	"	"	"	"	M-02, 5035R
Bromoform	ND	4.7	"	"	"	"	"	"	5035R, M-02
Bromomethane	ND	4.7	"	"	"	"	"	"	5035R, M-02
n-Butylbenzene	ND	4.7	"	"	"	"	"	"	5035R, M-02
sec-Butylbenzene	ND	4.7	"	"	"	"	"	"	5035R, M-02
tert-Butylbenzene	ND	4.7	"	"	"	"	"	"	5035R, M-02
Carbon tetrachloride	ND	4.7	"	"	"	"	"	"	M-02, 5035R
Chlorobenzene	ND	4.7	"	"	"	"	"	"	M-02, 5035R
Chloroethane	ND	4.7	"	"	"	"	"	"	M-02, 5035R
Chloroform	ND	4.7	"	"	"	"	"	"	M-02, 5035R
Chloromethane	ND	4.7	"	"	"	"	"	"	M-02, 5035R
2-Chlorotoluene	ND	4.7	"	"	"	"	"	"	5035R, M-02
4-Chlorotoluene	ND	4.7	"	"	"	"	"	"	5035R, M-02
Dibromochloromethane	ND	4.7	"	"	"	"	"	"	5035R, M-02
1,2-Dibromo-3-chloropropane	ND	9.4	"	"	"	"	"	"	5035R, M-02
1,2-Dibromoethane (EDB)	ND	4.7	"	"	"	"	"	"	5035R, M-02
Dibromomethane	ND	4.7	"	"	"	"	"	"	M-02, 5035R
1,2-Dichlorobenzene	ND	4.7	"	"	"	"	"	"	M-02, 5035R
1,3-Dichlorobenzene	ND	4.7	"	"	"	"	"	"	M-02, 5035R
1,4-Dichlorobenzene	ND	4.7	"	"	"	"	"	"	M-02, 5035R
Dichlorodifluoromethane	ND	4.7	"	"	"	"	"	"	M-02, 5035R
1,1-Dichloroethane	ND	4.7	"	"	"	"	"	"	M-02, 5035R
1,2-Dichloroethane	ND	4.7	"	"	"	"	"	"	M-02, 5035R
1,1-Dichloroethene	ND	4.7	"	"	"	"	"	"	M-02, 5035R
cis-1,2-Dichloroethene	ND	4.7	"	"	"	"	"	"	M-02, 5035R
trans-1,2-Dichloroethene	ND	4.7	"	"	"	"	"	"	M-02, 5035R

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

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T183752-04 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	4.7	ug/kg	1	8121925	12/19/18	12/27/18	EPA 8260B/5035	M-02, 5035R
1,3-Dichloropropane	ND	4.7	"	"	"	"	"	"	M-02, 5035R
2,2-Dichloropropane	ND	4.7	"	"	"	"	"	"	M-02, 5035R
1,1-Dichloropropene	ND	4.7	"	"	"	"	"	"	M-02, 5035R
cis-1,3-Dichloropropene	ND	4.7	"	"	"	"	"	"	M-02, 5035R
trans-1,3-Dichloropropene	ND	4.7	"	"	"	"	"	"	M-02, 5035R
Hexachlorobutadiene	ND	4.7	"	"	"	"	"	"	M-02, 5035R
Isopropylbenzene	ND	4.7	"	"	"	"	"	"	M-02, 5035R
p-Isopropyltoluene	ND	4.7	"	"	"	"	"	"	M-02, 5035R
Methylene chloride	ND	4.7	"	"	"	"	"	"	M-02, 5035R
Naphthalene	ND	4.7	"	"	"	"	"	"	M-02, 5035R
n-Propylbenzene	ND	4.7	"	"	"	"	"	"	M-02, 5035R
Styrene	ND	4.7	"	"	"	"	"	"	M-02, 5035R
1,1,2,2-Tetrachloroethane	ND	4.7	"	"	"	"	"	"	M-02, 5035R
1,1,1,2-Tetrachloroethane	ND	4.7	"	"	"	"	"	"	M-02, 5035R
Tetrachloroethene	ND	4.7	"	"	"	"	"	"	M-02, 5035R
1,2,3-Trichlorobenzene	ND	4.7	"	"	"	"	"	"	M-02, 5035R
1,2,4-Trichlorobenzene	ND	4.7	"	"	"	"	"	"	M-02, 5035R
1,1,2-Trichloroethane	ND	4.7	"	"	"	"	"	"	M-02, 5035R
1,1,1-Trichloroethane	ND	4.7	"	"	"	"	"	"	M-02, 5035R
Trichloroethene	ND	4.7	"	"	"	"	"	"	M-02, 5035R
Trichlorofluoromethane	ND	4.7	"	"	"	"	"	"	M-02, 5035R
1,2,3-Trichloropropane	ND	4.7	"	"	"	"	"	"	M-02, 5035R
1,3,5-Trimethylbenzene	ND	4.7	"	"	"	"	"	"	M-02, 5035R
1,2,4-Trimethylbenzene	ND	4.7	"	"	"	"	"	"	M-02, 5035R
Vinyl chloride	ND	4.7	"	"	"	"	"	"	M-02, 5035R
Benzene	ND	4.7	"	"	"	"	"	"	M-02, 5035R
Toluene	ND	4.7	"	"	"	"	"	"	M-02, 5035R
Ethylbenzene	**6.7**	4.7	"	"	"	"	"	"	M-02, 5035R
m,p-Xylene	ND	9.4	"	"	"	"	"	"	M-02, 5035R
o-Xylene	ND	4.7	"	"	"	"	"	"	M-02, 5035R

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

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T183752-04 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
Surrogate: Toluene-d8		*101 %*		*76.1-127*	*8121925*	*12/19/18*	*12/27/18*	*EPA 8260B/5035*	*5035R*
Surrogate: 4-Bromofluorobenzene		*101 %*		*85.9-114*	"	"	"	"	*5035R*
Surrogate: Dibromofluoromethane		*109 %*		*77.8-142*	"	"	"	"	*5035R*
Semivolatile Organic Compounds by EPA Method 8270C									
Carbazole	ND	300	ug/kg	1	8122018	12/20/18	12/26/18	EPA 8270C	
Phenol	ND	1000	"	"	"	"	"	"	
Aniline	ND	300	"	"	"	"	"	"	
2-Chlorophenol	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1000	"	"	"	"	"	"	
2-Methylnaphthalene	ND	300	"	"	"	"	"	"	
1-Methylnaphthalene	ND	300	"	"	"	"	"	"	
Acenaphthene	ND	300	"	"	"	"	"	"	
4-Nitrophenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	300	"	"	"	"	"	"	
Pentachlorophenol	ND	1000	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Benzyl alcohol	ND	300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	300	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	300	"	"	"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

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T183752-04 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4-Bromophenyl phenyl ether	ND	300	ug/kg	1	8122018	12/20/18	12/26/18	EPA 8270C	
Butyl benzyl phthalate	ND	300	"	"	"	"	"	"	
4-Chloroaniline	ND	300	"	"	"	"	"	"	
2-Chloronaphthalene	ND	300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Dibenzofuran	ND	300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1000	"	"	"	"	"	"	
Diethyl phthalate	ND	300	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1000	"	"	"	"	"	"	
Dimethyl phthalate	ND	300	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Hexachlorobenzene	ND	1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND	300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	1000	"	"	"	"	"	"	
Hexachloroethane	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"	
Isophorone	ND	300	"	"	"	"	"	"	
2-Methylphenol	ND	1000	"	"	"	"	"	"	
4-Methylphenol	ND	1000	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
2-Nitroaniline	ND	300	"	"	"	"	"	"	
3-Nitroaniline	ND	300	"	"	"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

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T183752-04 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4-Nitroaniline	ND	300	ug/kg	1	8122018	12/20/18	12/26/18	EPA 8270C	
Nitrobenzene	ND	1000	"	"	"	"	"	"	
2-Nitrophenol	ND	1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
Azobenzene	ND	300	"	"	"	"	"	"	
Pyridine	ND	300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	1000	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*47.4 %*	*15-121*		"	"	"	"	
Surrogate: Phenol-d6		*48.2 %*	*24-113*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*54.0 %*	*21.3-119*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*62.4 %*	*32.4-102*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*87.6 %*	*18.1-105*		"	"	"	"	
Surrogate: Terphenyl-dl4		*87.9 %*	*29.1-130*		"	"	"	"	

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25712 Commercentre Drive
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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

B1@20

T183752-05 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015B									
C4-C12 (GRO)	ND	590	ug/kg	1	8121929	12/19/18	12/19/18	EPA 8015B/5035	
Surrogate: a,a,a-Trifluorotoluene		*77.2 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015B									
C13-C22 (DRO)	ND	10	mg/kg	1	8122017	12/20/18	12/27/18	EPA 8015B	
C23-C32 (MORO)	**27**	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*87.2 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	8122127	12/21/18	12/26/18	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	**5.6**	5.0	"	"	"	"	"	"	
Barium	**75**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	**18**	2.0	"	"	"	"	"	"	
Cobalt	**13**	2.0	"	"	"	"	"	"	
Copper	**31**	1.0	"	"	"	"	"	"	
Lead	**5.8**	3.0	"	"	"	"	"	"	
Molybdenum	**8.4**	5.0	"	"	"	"	"	"	
Nickel	**26**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**40**	5.0	"	"	"	"	"	"	
Zinc	**77**	1.0	"	"	"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

B1@20

T183752-05 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	8122126	12/21/18	12/26/18	EPA 7471A Soil	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	6.3	ug/kg	1	8121925	12/19/18	12/27/18	EPA 8260B/5035	M-02, 5035R
Bromochloromethane	ND	6.3	"	"	"	"	"	"	M-02, 5035R
Bromodichloromethane	ND	6.3	"	"	"	"	"	"	M-02, 5035R
Bromoform	ND	6.3	"	"	"	"	"	"	M-02, 5035R
Bromomethane	ND	6.3	"	"	"	"	"	"	M-02, 5035R
n-Butylbenzene	ND	6.3	"	"	"	"	"	"	M-02, 5035R
sec-Butylbenzene	ND	6.3	"	"	"	"	"	"	M-02, 5035R
tert-Butylbenzene	ND	6.3	"	"	"	"	"	"	M-02, 5035R
Carbon tetrachloride	ND	6.3	"	"	"	"	"	"	M-02, 5035R
Chlorobenzene	ND	6.3	"	"	"	"	"	"	M-02, 5035R
Chloroethane	ND	6.3	"	"	"	"	"	"	M-02, 5035R
Chloroform	ND	6.3	"	"	"	"	"	"	M-02, 5035R
Chloromethane	ND	6.3	"	"	"	"	"	"	M-02, 5035R
2-Chlorotoluene	ND	6.3	"	"	"	"	"	"	M-02, 5035R
4-Chlorotoluene	ND	6.3	"	"	"	"	"	"	M-02, 5035R
Dibromochloromethane	ND	6.3	"	"	"	"	"	"	M-02, 5035R
1,2-Dibromo-3-chloropropane	ND	13	"	"	"	"	"	"	M-02, 5035R
1,2-Dibromoethane (EDB)	ND	6.3	"	"	"	"	"	"	M-02, 5035R
Dibromomethane	ND	6.3	"	"	"	"	"	"	M-02, 5035R
1,2-Dichlorobenzene	ND	6.3	"	"	"	"	"	"	M-02, 5035R
1,3-Dichlorobenzene	ND	6.3	"	"	"	"	"	"	M-02, 5035R
1,4-Dichlorobenzene	ND	6.3	"	"	"	"	"	"	M-02, 5035R
Dichlorodifluoromethane	ND	6.3	"	"	"	"	"	"	M-02, 5035R
1,1-Dichloroethane	ND	6.3	"	"	"	"	"	"	M-02, 5035R
1,2-Dichloroethane	ND	6.3	"	"	"	"	"	"	M-02, 5035R
1,1-Dichloroethene	ND	6.3	"	"	"	"	"	"	M-02, 5035R
cis-1,2-Dichloroethene	ND	6.3	"	"	"	"	"	"	M-02, 5035R
trans-1,2-Dichloroethene	ND	6.3	"	"	"	"	"	"	M-02, 5035R

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

B1@20

T183752-05 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	6.3	ug/kg	1	8121925	12/19/18	12/27/18	EPA 8260B/5035	M-02, 5035R
1,3-Dichloropropane	ND	6.3	"	"	"	"	"	"	M-02, 5035R
2,2-Dichloropropane	ND	6.3	"	"	"	"	"	"	M-02, 5035R
1,1-Dichloropropene	ND	6.3	"	"	"	"	"	"	M-02, 5035R
cis-1,3-Dichloropropene	ND	6.3	"	"	"	"	"	"	M-02, 5035R
trans-1,3-Dichloropropene	ND	6.3	"	"	"	"	"	"	M-02, 5035R
Hexachlorobutadiene	ND	6.3	"	"	"	"	"	"	M-02, 5035R
Isopropylbenzene	ND	6.3	"	"	"	"	"	"	M-02, 5035R
p-Isopropyltoluene	ND	6.3	"	"	"	"	"	"	M-02, 5035R
Methylene chloride	ND	6.3	"	"	"	"	"	"	M-02, 5035R
Naphthalene	ND	6.3	"	"	"	"	"	"	M-02, 5035R
n-Propylbenzene	ND	6.3	"	"	"	"	"	"	M-02, 5035R
Styrene	ND	6.3	"	"	"	"	"	"	M-02, 5035R
1,1,2,2-Tetrachloroethane	ND	6.3	"	"	"	"	"	"	M-02, 5035R
1,1,1,2-Tetrachloroethane	ND	6.3	"	"	"	"	"	"	M-02, 5035R
Tetrachloroethene	ND	6.3	"	"	"	"	"	"	M-02, 5035R
1,2,3-Trichlorobenzene	ND	6.3	"	"	"	"	"	"	M-02, 5035R
1,2,4-Trichlorobenzene	ND	6.3	"	"	"	"	"	"	5035R, M-02
1,1,2-Trichloroethane	ND	6.3	"	"	"	"	"	"	5035R, M-02
1,1,1-Trichloroethane	ND	6.3	"	"	"	"	"	"	M-02, 5035R
Trichloroethene	ND	6.3	"	"	"	"	"	"	M-02, 5035R
Trichlorofluoromethane	ND	6.3	"	"	"	"	"	"	M-02, 5035R
1,2,3-Trichloropropane	ND	6.3	"	"	"	"	"	"	M-02, 5035R
1,3,5-Trimethylbenzene	ND	6.3	"	"	"	"	"	"	M-02, 5035R
1,2,4-Trimethylbenzene	ND	6.3	"	"	"	"	"	"	M-02, 5035R
Vinyl chloride	ND	6.3	"	"	"	"	"	"	M-02, 5035R
Benzene	ND	6.3	"	"	"	"	"	"	M-02, 5035R
Toluene	ND	6.3	"	"	"	"	"	"	M-02, 5035R
Ethylbenzene	ND	6.3	"	"	"	"	"	"	M-02, 5035R
m,p-Xylene	ND	13	"	"	"	"	"	"	M-02, 5035R
o-Xylene	ND	6.3	"	"	"	"	"	"	M-02, 5035R

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

B1@20

T183752-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
Surrogate: Toluene-d8		*102 %*	*76.1-127*		*8121925*	*12/19/18*	*12/27/18*	*EPA 8260B/5035*	*5035R*
Surrogate: 4-Bromofluorobenzene		*103 %*	*85.9-114*		*"*	*"*	*"*	*"*	*5035R*
Surrogate: Dibromofluoromethane		*121 %*	*77.8-142*		*"*	*"*	*"*	*"*	*5035R*

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24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

B1@25

T183752-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015B									
C4-C12 (GRO)	ND	500	ug/kg	1	8121929	12/19/18	12/21/18	EPA 8015B/5035	
Surrogate: a,a,a-Trifluorotoluene		*74.3 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015B									
C13-C22 (DRO)	ND	10	mg/kg	1	8122017	12/20/18	12/27/18	EPA 8015B	
C23-C32 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*94.4 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	8122127	12/21/18	12/26/18	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	**84**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	12/26/18	"	
Cadmium	ND	2.0	"	"	"	"	12/26/18	"	
Chromium	**18**	2.0	"	"	"	"	"	"	
Cobalt	**13**	2.0	"	"	"	"	"	"	
Copper	**24**	1.0	"	"	"	"	"	"	
Lead	**6.1**	3.0	"	"	"	"	"	"	
Molybdenum	**7.5**	5.0	"	"	"	"	"	"	
Nickel	**26**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**38**	5.0	"	"	"	"	"	"	
Zinc	**64**	1.0	"	"	"	"	"	"	

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B1@25

T183752-06 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	8122126	12/21/18	12/26/18	EPA 7471A Soil	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.8	ug/kg	1	8121925	12/19/18	12/22/18	EPA 8260B/5035	
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	12	"	"	"	"	"	"	
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	"	"	"	"	"	"	

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B1@25

T183752-06 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	5.8	ug/kg	1	8121925	12/19/18	12/22/18	EPA 8260B/5035	
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	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.8	"	"	"	"	"	"	
Isopropylbenzene	ND	5.8	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.8	"	"	"	"	"	"	
Methylene chloride	ND	5.8	"	"	"	"	"	"	
Naphthalene	ND	5.8	"	"	"	"	"	"	
n-Propylbenzene	ND	5.8	"	"	"	"	"	"	
Styrene	ND	5.8	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.8	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.8	"	"	"	"	"	"	
Tetrachloroethene	ND	5.8	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.8	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.8	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.8	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.8	"	"	"	"	"	"	
Trichloroethene	ND	5.8	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.8	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.8	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.8	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.8	"	"	"	"	"	"	
Vinyl chloride	ND	5.8	"	"	"	"	"	"	
Benzene	ND	5.8	"	"	"	"	"	"	
Toluene	ND	5.8	"	"	"	"	"	"	
Ethylbenzene	**6.7**	5.8	"	"	"	"	"	"	
m,p-Xylene	ND	12	"	"	"	"	"	"	
o-Xylene	ND	5.8	"	"	"	"	"	"	

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B1@25

T183752-06 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
Surrogate: Toluene-d8		*95.8 %*	*76.1-127*		*8121925*	*12/19/18*	*12/22/18*	*EPA 8260B/5035*	
Surrogate: 4-Bromofluorobenzene		*97.3 %*	*85.9-114*		*"*	*"*	*"*	*"*	
Surrogate: Dibromofluoromethane		*101 %*	*77.8-142*		*"*	*"*	*"*	*"*	

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

B2@1

T183752-07 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015B									
C4-C12 (GRO)	ND	510	ug/kg	1	8121929	12/19/18	12/19/18	EPA 8015B/5035	
Surrogate: a,a,a-Trifluorotoluene		*65.7 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015B									
C13-C22 (DRO)	ND	10	mg/kg	1	8122017	12/20/18	12/27/18	EPA 8015B	
C23-C32 (MORO)	**400**	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*86.0 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	8122127	12/21/18	12/26/18	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	**150**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	**16**	2.0	"	"	"	"	"	"	
Cobalt	**9.4**	2.0	"	"	"	"	"	"	
Copper	**30**	1.0	"	"	"	"	"	"	
Lead	**11**	3.0	"	"	"	"	"	"	
Molybdenum	**5.1**	5.0	"	"	"	"	"	"	
Nickel	**21**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**39**	5.0	"	"	"	"	"	"	
Zinc	**73**	1.0	"	"	"	"	"	"	

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

B2@1

T183752-07 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	8122126	12/21/18	12/26/18	EPA 7471A Soil	
Organochlorine Pesticides by EPA Method 8081A									
alpha-BHC	ND	250	ug/kg	50	8121933	12/19/18	12/20/18	EPA 8081A	R-07
gamma-BHC (Lindane)	ND	250	"	"	"	"	"	"	R-07
beta-BHC	ND	250	"	"	"	"	"	"	R-07
delta-BHC	ND	250	"	"	"	"	"	"	R-07
Heptachlor	ND	250	"	"	"	"	"	"	R-07
Aldrin	ND	250	"	"	"	"	"	"	R-07
Heptachlor epoxide	ND	250	"	"	"	"	"	"	R-07
gamma-Chlordane	ND	250	"	"	"	"	"	"	R-07
alpha-Chlordane	ND	250	"	"	"	"	"	"	R-07
Endosulfan I	ND	250	"	"	"	"	"	"	R-07
4,4´-DDE	ND	250	"	"	"	"	"	"	R-07
Dieldrin	ND	250	"	"	"	"	"	"	R-07
Endrin	ND	250	"	"	"	"	"	"	R-07
4,4´-DDD	ND	250	"	"	"	"	"	"	R-07
Endosulfan II	ND	250	"	"	"	"	"	"	R-07
4,4´-DDT	ND	250	"	"	"	"	"	"	R-07
Endrin aldehyde	ND	250	"	"	"	"	"	"	R-07
Endosulfan sulfate	ND	250	"	"	"	"	"	"	R-07
Methoxychlor	ND	250	"	"	"	"	"	"	R-07
Endrin ketone	ND	250	"	"	"	"	"	"	R-07
Toxaphene	ND	1000	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		*87.9 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*158 %*	*35-140*		"	"	"	"	*S-GC*

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

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T183752-07 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	10	ug/kg	1	8121934	12/19/18	12/26/18	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*75.7 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*71.7 %*	*35-140*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.2	ug/kg	1	8121925	12/19/18	12/22/18	EPA 8260B/5035	
Bromochloromethane	ND	5.2	"	"	"	"	"	"	
Bromodichloromethane	ND	5.2	"	"	"	"	"	"	
Bromoform	ND	5.2	"	"	"	"	"	"	
Bromomethane	ND	5.2	"	"	"	"	"	"	
n-Butylbenzene	ND	5.2	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.2	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.2	"	"	"	"	"	"	
Chlorobenzene	ND	5.2	"	"	"	"	"	"	
Chloroethane	ND	5.2	"	"	"	"	"	"	
Chloroform	ND	5.2	"	"	"	"	"	"	
Chloromethane	ND	5.2	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.2	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.2	"	"	"	"	"	"	
Dibromochloromethane	ND	5.2	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.2	"	"	"	"	"	"	
Dibromomethane	ND	5.2	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.2	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.2	"	"	"	"	"	"	

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24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
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T183752-07 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	5.2	ug/kg	1	8121925	12/19/18	12/22/18	EPA 8260B/5035	
Dichlorodifluoromethane	ND	5.2	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.2	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.2	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.2	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.2	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.2	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.2	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.2	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.2	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.2	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.2	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.2	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.2	"	"	"	"	"	"	
Isopropylbenzene	ND	5.2	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.2	"	"	"	"	"	"	
Methylene chloride	ND	5.2	"	"	"	"	"	"	
Naphthalene	ND	5.2	"	"	"	"	"	"	
n-Propylbenzene	ND	5.2	"	"	"	"	"	"	
Styrene	ND	5.2	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.2	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.2	"	"	"	"	"	"	
Tetrachloroethene	ND	5.2	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.2	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.2	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.2	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.2	"	"	"	"	"	"	
Trichloroethene	ND	5.2	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.2	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.2	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.2	"	"	"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

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T183752-07 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
1,2,4-Trimethylbenzene	ND	5.2	ug/kg	1	8121925	12/19/18	12/22/18	EPA 8260B/5035	
Vinyl chloride	ND	5.2	"	"	"	"	"	"	
Benzene	ND	5.2	"	"	"	"	"	"	
Toluene	ND	5.2	"	"	"	"	"	"	
Ethylbenzene	ND	5.2	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.2	"	"	"	"	"	"	
Surrogate: Toluene-d8		*95.2 %*	*76.1-127*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.4 %*	*85.9-114*		"	"	"	"	
Surrogate: Dibromofluoromethane		*103 %*	*77.8-142*		"	"	"	"	
Semivolatile Organic Compounds by EPA Method 8270C									
Carbazole	ND	30000	ug/kg	100	8122018	12/20/18	12/26/18	EPA 8270C	R-07
Phenol	ND	100000	"	"	"	"	"	"	R-07
Aniline	ND	30000	"	"	"	"	"	"	R-07
2-Chlorophenol	ND	100000	"	"	"	"	"	"	R-07
1,4-Dichlorobenzene	ND	30000	"	"	"	"	"	"	R-07
N-Nitrosodi-n-propylamine	ND	30000	"	"	"	"	"	"	R-07
1,2,4-Trichlorobenzene	ND	30000	"	"	"	"	"	"	R-07
4-Chloro-3-methylphenol	ND	100000	"	"	"	"	"	"	R-07
2-Methylnaphthalene	ND	30000	"	"	"	"	"	"	R-07
1-Methylnaphthalene	ND	30000	"	"	"	"	"	"	R-07
Acenaphthene	ND	30000	"	"	"	"	"	"	R-07
4-Nitrophenol	ND	100000	"	"	"	"	"	"	R-07
2,4-Dinitrotoluene	ND	30000	"	"	"	"	"	"	R-07
Pentachlorophenol	ND	100000	"	"	"	"	"	"	R-07
Pyrene	ND	30000	"	"	"	"	"	"	R-07
Acenaphthylene	ND	30000	"	"	"	"	"	"	R-07
Anthracene	ND	30000	"	"	"	"	"	"	R-07
Benzo (a) anthracene	ND	30000	"	"	"	"	"	"	R-07
Benzo (b) fluoranthene	ND	30000	"	"	"	"	"	"	R-07
Benzo (k) fluoranthene	ND	30000	"	"	"	"	"	"	R-07

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T183752-07 (Soil)

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Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (g,h,i) perylene	ND	100000	ug/kg	100	8122018	12/20/18	12/26/18	EPA 8270C	R-07
Benzo (a) pyrene	ND	30000	"	"	"	"	"	"	R-07
Benzyl alcohol	ND	30000	"	"	"	"	"	"	R-07
Bis(2-chloroethoxy)methane	ND	30000	"	"	"	"	"	"	R-07
Bis(2-chloroethyl)ether	ND	30000	"	"	"	"	"	"	R-07
Bis(2-chloroisopropyl)ether	ND	30000	"	"	"	"	"	"	R-07
Bis(2-ethylhexyl)phthalate	ND	30000	"	"	"	"	"	"	R-07
4-Bromophenyl phenyl ether	ND	30000	"	"	"	"	"	"	R-07
Butyl benzyl phthalate	ND	30000	"	"	"	"	"	"	R-07
4-Chloroaniline	ND	30000	"	"	"	"	"	"	R-07
2-Chloronaphthalene	ND	30000	"	"	"	"	"	"	R-07
4-Chlorophenyl phenyl ether	ND	30000	"	"	"	"	"	"	R-07
Chrysene	ND	30000	"	"	"	"	"	"	R-07
Dibenz (a,h) anthracene	ND	30000	"	"	"	"	"	"	R-07
Dibenzofuran	ND	30000	"	"	"	"	"	"	R-07
Di-n-butyl phthalate	ND	30000	"	"	"	"	"	"	R-07
1,2-Dichlorobenzene	ND	30000	"	"	"	"	"	"	R-07
1,3-Dichlorobenzene	ND	30000	"	"	"	"	"	"	R-07
2,4-Dichlorophenol	ND	100000	"	"	"	"	"	"	R-07
Diethyl phthalate	ND	30000	"	"	"	"	"	"	R-07
2,4-Dimethylphenol	ND	100000	"	"	"	"	"	"	R-07
Dimethyl phthalate	ND	30000	"	"	"	"	"	"	R-07
4,6-Dinitro-2-methylphenol	ND	100000	"	"	"	"	"	"	R-07
2,4-Dinitrophenol	ND	100000	"	"	"	"	"	"	R-07
2,6-Dinitrotoluene	ND	100000	"	"	"	"	"	"	R-07
Di-n-octyl phthalate	ND	30000	"	"	"	"	"	"	R-07
Fluoranthene	ND	30000	"	"	"	"	"	"	R-07
Fluorene	ND	30000	"	"	"	"	"	"	R-07
Hexachlorobenzene	ND	150000	"	"	"	"	"	"	R-07
Hexachlorobutadiene	ND	30000	"	"	"	"	"	"	R-07
Hexachlorocyclopentadiene	ND	100000	"	"	"	"	"	"	R-07
Hexachloroethane	ND	30000	"	"	"	"	"	"	R-07

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T183752-07 (Soil)

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Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Indeno (1,2,3-cd) pyrene	ND	30000	ug/kg	100	8122018	12/20/18	12/26/18	EPA 8270C	R-07
Isophorone	ND	30000	"	"	"	"	"	"	R-07
2-Methylphenol	ND	100000	"	"	"	"	"	"	R-07
4-Methylphenol	ND	100000	"	"	"	"	"	"	R-07
Naphthalene	ND	30000	"	"	"	"	"	"	R-07
2-Nitroaniline	ND	30000	"	"	"	"	"	"	R-07
3-Nitroaniline	ND	30000	"	"	"	"	"	"	R-07
4-Nitroaniline	ND	30000	"	"	"	"	"	"	R-07
Nitrobenzene	ND	100000	"	"	"	"	"	"	R-07
2-Nitrophenol	ND	100000	"	"	"	"	"	"	R-07
N-Nitrosodimethylamine	ND	30000	"	"	"	"	"	"	R-07
N-Nitrosodiphenylamine	ND	30000	"	"	"	"	"	"	R-07
2,3,5,6-Tetrachlorophenol	ND	30000	"	"	"	"	"	"	R-07
2,3,4,6-Tetrachlorophenol	ND	30000	"	"	"	"	"	"	R-07
Phenanthrene	ND	30000	"	"	"	"	"	"	R-07
Azobenzene	ND	30000	"	"	"	"	"	"	R-07
Pyridine	ND	30000	"	"	"	"	"	"	R-07
2,4,5-Trichlorophenol	ND	100000	"	"	"	"	"	"	R-07
2,4,6-Trichlorophenol	ND	100000	"	"	"	"	"	"	R-07
Surrogate: 2-Fluorophenol		*53.0 %*	*15-121*		"	"	"	"	
Surrogate: Phenol-d6		*39.0 %*	*24-113*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*55.0 %*	*21.3-119*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*63.0 %*	*32.4-102*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*43.0 %*	*18.1-105*		"	"	"	"	
Surrogate: Terphenyl-dl4		*82.0 %*	*29.1-130*		"	"	"	"	

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24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
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T183752-08 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015B									
C4-C12 (GRO)	ND	480	ug/kg	1	8121929	12/19/18	12/19/18	EPA 8015B/5035	
Surrogate: a,a,a-Trifluorotoluene		*65.3 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015B									
C13-C22 (DRO)	ND	10	mg/kg	1	8122017	12/20/18	12/27/18	EPA 8015B	
C23-C32 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*95.3 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	8122127	12/21/18	12/26/18	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	**170**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	12/26/18	"	
Cadmium	ND	2.0	"	"	"	"	12/26/18	"	
Chromium	**18**	2.0	"	"	"	"	"	"	
Cobalt	**15**	2.0	"	"	"	"	"	"	
Copper	**30**	1.0	"	"	"	"	"	"	
Lead	**7.2**	3.0	"	"	"	"	"	"	
Molybdenum	**6.7**	5.0	"	"	"	"	"	"	
Nickel	**33**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**43**	5.0	"	"	"	"	"	"	
Zinc	**72**	1.0	"	"	"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

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T183752-08 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	8122126	12/21/18	12/26/18	EPA 7471A Soil	
Organochlorine Pesticides by EPA Method 8081A									
alpha-BHC	ND	5.0	ug/kg	1	8121933	12/19/18	12/20/18	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4´-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4´-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4´-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*89.2 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*103 %*	*35-140*		"	"	"	"	

SunStar Laboratories, Inc.

Joann Marroquin

Joann Marroquin, Client Services Manager

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

B2@5

T183752-08 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	10	ug/kg	1	8121934	12/19/18	12/26/18	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*62.3 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*66.7 %*	*35-140*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	4.9	ug/kg	1	8121925	12/19/18	12/27/18	EPA 8260B/5035	M-02, 5035R
Bromochloromethane	ND	4.9	"	"	"	"	"	"	M-02, 5035R
Bromodichloromethane	ND	4.9	"	"	"	"	"	"	M-02, 5035R
Bromoform	ND	4.9	"	"	"	"	"	"	M-02, 5035R
Bromomethane	ND	4.9	"	"	"	"	"	"	M-02, 5035R
n-Butylbenzene	ND	4.9	"	"	"	"	"	"	M-02, 5035R
sec-Butylbenzene	ND	4.9	"	"	"	"	"	"	M-02, 5035R
tert-Butylbenzene	ND	4.9	"	"	"	"	"	"	M-02, 5035R
Carbon tetrachloride	ND	4.9	"	"	"	"	"	"	M-02, 5035R
Chlorobenzene	ND	4.9	"	"	"	"	"	"	M-02, 5035R
Chloroethane	ND	4.9	"	"	"	"	"	"	M-02, 5035R
Chloroform	ND	4.9	"	"	"	"	"	"	M-02, 5035R
Chloromethane	ND	4.9	"	"	"	"	"	"	M-02, 5035R
2-Chlorotoluene	ND	4.9	"	"	"	"	"	"	M-02, 5035R
4-Chlorotoluene	ND	4.9	"	"	"	"	"	"	M-02, 5035R
Dibromochloromethane	ND	4.9	"	"	"	"	"	"	M-02, 5035R
1,2-Dibromo-3-chloropropane	ND	9.7	"	"	"	"	"	"	M-02, 5035R
1,2-Dibromoethane (EDB)	ND	4.9	"	"	"	"	"	"	M-02, 5035R
Dibromomethane	ND	4.9	"	"	"	"	"	"	M-02, 5035R
1,2-Dichlorobenzene	ND	4.9	"	"	"	"	"	"	M-02, 5035R
1,3-Dichlorobenzene	ND	4.9	"	"	"	"	"	"	M-02, 5035R

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

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T183752-08 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	4.9	ug/kg	1	8121925	12/19/18	12/27/18	EPA 8260B/5035	M-02, 5035R
Dichlorodifluoromethane	ND	4.9	"	"	"	"	"	"	M-02, 5035R
1,1-Dichloroethane	ND	4.9	"	"	"	"	"	"	M-02, 5035R
1,2-Dichloroethane	ND	4.9	"	"	"	"	"	"	M-02, 5035R
1,1-Dichloroethene	ND	4.9	"	"	"	"	"	"	M-02, 5035R
cis-1,2-Dichloroethene	ND	4.9	"	"	"	"	"	"	M-02, 5035R
trans-1,2-Dichloroethene	ND	4.9	"	"	"	"	"	"	M-02, 5035R
1,2-Dichloropropane	ND	4.9	"	"	"	"	"	"	M-02, 5035R
1,3-Dichloropropane	ND	4.9	"	"	"	"	"	"	M-02, 5035R
2,2-Dichloropropane	ND	4.9	"	"	"	"	"	"	M-02, 5035R
1,1-Dichloropropene	ND	4.9	"	"	"	"	"	"	M-02, 5035R
cis-1,3-Dichloropropene	ND	4.9	"	"	"	"	"	"	M-02, 5035R
trans-1,3-Dichloropropene	ND	4.9	"	"	"	"	"	"	M-02, 5035R
Hexachlorobutadiene	ND	4.9	"	"	"	"	"	"	M-02, 5035R
Isopropylbenzene	ND	4.9	"	"	"	"	"	"	M-02, 5035R
p-Isopropyltoluene	ND	4.9	"	"	"	"	"	"	M-02, 5035R
Methylene chloride	ND	4.9	"	"	"	"	"	"	M-02, 5035R
Naphthalene	ND	4.9	"	"	"	"	"	"	M-02, 5035R
n-Propylbenzene	ND	4.9	"	"	"	"	"	"	M-02, 5035R
Styrene	ND	4.9	"	"	"	"	"	"	M-02, 5035R
1,1,2,2-Tetrachloroethane	ND	4.9	"	"	"	"	"	"	M-02, 5035R
1,1,1,2-Tetrachloroethane	ND	4.9	"	"	"	"	"	"	M-02, 5035R
Tetrachloroethene	ND	4.9	"	"	"	"	"	"	M-02, 5035R
1,2,3-Trichlorobenzene	ND	4.9	"	"	"	"	"	"	M-02, 5035R
1,2,4-Trichlorobenzene	ND	4.9	"	"	"	"	"	"	M-02, 5035R
1,1,2-Trichloroethane	ND	4.9	"	"	"	"	"	"	M-02, 5035R
1,1,1-Trichloroethane	ND	4.9	"	"	"	"	"	"	M-02, 5035R
Trichloroethene	ND	4.9	"	"	"	"	"	"	M-02, 5035R
Trichlorofluoromethane	ND	4.9	"	"	"	"	"	"	M-02, 5035R
1,2,3-Trichloropropane	ND	4.9	"	"	"	"	"	"	M-02, 5035R
1,3,5-Trimethylbenzene	ND	4.9	"	"	"	"	"	"	M-02, 5035R

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24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

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T183752-08 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
1,2,4-Trimethylbenzene	ND	4.9	ug/kg	1	8121925	12/19/18	12/27/18	EPA 8260B/5035	M-02, 5035R
Vinyl chloride	ND	4.9	"	"	"	"	"	"	M-02, 5035R
Benzene	ND	4.9	"	"	"	"	"	"	M-02, 5035R
Toluene	ND	4.9	"	"	"	"	"	"	M-02, 5035R
Ethylbenzene	ND	4.9	"	"	"	"	"	"	M-02, 5035R
m,p-Xylene	ND	9.7	"	"	"	"	"	"	M-02, 5035R
o-Xylene	ND	4.9	"	"	"	"	"	"	M-02, 5035R
Surrogate: Toluene-d8		*98.6 %*	*76.1-127*		"	"	"	"	*5035R*
Surrogate: 4-Bromofluorobenzene		*104 %*	*85.9-114*		"	"	"	"	*5035R*
Surrogate: Dibromofluoromethane		*115 %*	*77.8-142*		"	"	"	"	*5035R*
Semivolatile Organic Compounds by EPA Method 8270C									
Carbazole	ND	300	ug/kg	1	8122018	12/20/18	12/26/18	EPA 8270C	
Phenol	ND	1000	"	"	"	"	"	"	
Aniline	ND	300	"	"	"	"	"	"	
2-Chlorophenol	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1000	"	"	"	"	"	"	
2-Methylnaphthalene	ND	300	"	"	"	"	"	"	
1-Methylnaphthalene	ND	300	"	"	"	"	"	"	
Acenaphthene	ND	300	"	"	"	"	"	"	
4-Nitrophenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	300	"	"	"	"	"	"	
Pentachlorophenol	ND	1000	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	

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T183752-08 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (g,h,i) perylene	ND	1000	ug/kg	1	8122018	12/20/18	12/26/18	EPA 8270C	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Benzyl alcohol	ND	300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	300	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	300	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	300	"	"	"	"	"	"	
4-Chloroaniline	ND	300	"	"	"	"	"	"	
2-Chloronaphthalene	ND	300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Dibenzofuran	ND	300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1000	"	"	"	"	"	"	
Diethyl phthalate	ND	300	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1000	"	"	"	"	"	"	
Dimethyl phthalate	ND	300	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Hexachlorobenzene	ND	1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND	300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	1000	"	"	"	"	"	"	
Hexachloroethane	ND	300	"	"	"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

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T183752-08 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Indeno (1,2,3-cd) pyrene	ND	300	ug/kg	1	8122018	12/20/18	12/26/18	EPA 8270C	
Isophorone	ND	300	"	"	"	"	"	"	
2-Methylphenol	ND	1000	"	"	"	"	"	"	
4-Methylphenol	ND	1000	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
2-Nitroaniline	ND	300	"	"	"	"	"	"	
3-Nitroaniline	ND	300	"	"	"	"	"	"	
4-Nitroaniline	ND	300	"	"	"	"	"	"	
Nitrobenzene	ND	1000	"	"	"	"	"	"	
2-Nitrophenol	ND	1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
Azobenzene	ND	300	"	"	"	"	"	"	
Pyridine	ND	300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	1000	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*60.6 %*	*15-121*		"	"	"	"	
Surrogate: Phenol-d6		*59.1 %*	*24-113*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*68.1 %*	*21.3-119*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*74.7 %*	*32.4-102*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*90.0 %*	*18.1-105*		"	"	"	"	
Surrogate: Terphenyl-dl4		*86.0 %*	*29.1-130*		"	"	"	"	

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24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

B2@10

T183752-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015B									**5035R**
C4-C12 (GRO)	ND	510	ug/kg	1	8121929	12/19/18	12/27/18	EPA 8015B/5035	
Surrogate: a,a,a-Trifluorotoluene		*82.3 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015B									
C13-C22 (DRO)	ND	10	mg/kg	1	8122017	12/20/18	12/27/18	EPA 8015B	
C23-C32 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*91.1 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	8122127	12/21/18	12/26/18	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	**91**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	**19**	2.0	"	"	"	"	"	"	
Cobalt	**14**	2.0	"	"	"	"	"	"	
Copper	**28**	1.0	"	"	"	"	"	"	
Lead	**6.9**	3.0	"	"	"	"	"	"	
Molybdenum	**5.5**	5.0	"	"	"	"	"	"	
Nickel	**24**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**34**	5.0	"	"	"	"	"	"	
Zinc	**64**	1.0	"	"	"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

B2@10

T183752-09 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	8122126	12/21/18	12/26/18	EPA 7471A Soil	
Organochlorine Pesticides by EPA Method 8081A									
alpha-BHC	ND	5.0	ug/kg	1	8121933	12/19/18	12/20/18	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4´-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4´-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4´-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*93.4 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*107 %*	*35-140*		"	"	"	"	

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

B2@10

T183752-09 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	10	ug/kg	1	8121934	12/19/18	12/26/18	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*71.4 %*		*35-140*	"	"	"	"	
Surrogate: Decachlorobiphenyl		*68.7 %*		*35-140*	"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.6	ug/kg	1	8121925	12/19/18	12/22/18	EPA 8260B/5035	
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	11	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.6	"	"	"	"	"	"	
Dibromomethane	ND	5.6	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.6	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.6	"	"	"	"	"	"	

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24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

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T183752-09 (Soil)

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Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	5.6	ug/kg	1	8121925	12/19/18	12/22/18	EPA 8260B/5035	
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	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.6	"	"	"	"	"	"	
Isopropylbenzene	ND	5.6	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.6	"	"	"	"	"	"	
Methylene chloride	ND	5.6	"	"	"	"	"	"	
Naphthalene	ND	5.6	"	"	"	"	"	"	
n-Propylbenzene	ND	5.6	"	"	"	"	"	"	
Styrene	ND	5.6	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.6	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.6	"	"	"	"	"	"	
Tetrachloroethene	ND	5.6	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.6	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.6	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.6	"	"	"	"	"	"	
Trichloroethene	ND	5.6	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.6	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.6	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.6	"	"	"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

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T183752-09 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
1,2,4-Trimethylbenzene	ND	5.6	ug/kg	1	8121925	12/19/18	12/22/18	EPA 8260B/5035	
Vinyl chloride	ND	5.6	"	"	"	"	"	"	
Benzene	ND	5.6	"	"	"	"	"	"	
Toluene	ND	5.6	"	"	"	"	"	"	
Ethylbenzene	ND	5.6	"	"	"	"	"	"	
m,p-Xylene	ND	11	"	"	"	"	"	"	
o-Xylene	ND	5.6	"	"	"	"	"	"	
Surrogate: Toluene-d8		*92.2 %*	*76.1-127*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.9 %*	*85.9-114*		"	"	"	"	
Surrogate: Dibromofluoromethane		*96.3 %*	*77.8-142*		"	"	"	"	
Semivolatile Organic Compounds by EPA Method 8270C									
Carbazole	ND	300	ug/kg	1	8122018	12/20/18	12/26/18	EPA 8270C	
Phenol	ND	1000	"	"	"	"	"	"	
Aniline	ND	300	"	"	"	"	"	"	
2-Chlorophenol	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1000	"	"	"	"	"	"	
2-Methylnaphthalene	ND	300	"	"	"	"	"	"	
1-Methylnaphthalene	ND	300	"	"	"	"	"	"	
Acenaphthene	ND	300	"	"	"	"	"	"	
4-Nitrophenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	300	"	"	"	"	"	"	
Pentachlorophenol	ND	1000	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	

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T183752-09 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (g,h,i) perylene	ND	1000	ug/kg	1	8122018	12/20/18	12/26/18	EPA 8270C	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Benzyl alcohol	ND	300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	300	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	300	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	300	"	"	"	"	"	"	
4-Chloroaniline	ND	300	"	"	"	"	"	"	
2-Chloronaphthalene	ND	300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Dibenzofuran	ND	300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1000	"	"	"	"	"	"	
Diethyl phthalate	ND	300	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1000	"	"	"	"	"	"	
Dimethyl phthalate	ND	300	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Hexachlorobenzene	ND	1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND	300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	1000	"	"	"	"	"	"	
Hexachloroethane	ND	300	"	"	"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

B2@10

T183752-09 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Indeno (1,2,3-cd) pyrene	ND	300	ug/kg	1	8122018	12/20/18	12/26/18	EPA 8270C	
Isophorone	ND	300	"	"	"	"	"	"	
2-Methylphenol	ND	1000	"	"	"	"	"	"	
4-Methylphenol	ND	1000	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
2-Nitroaniline	ND	300	"	"	"	"	"	"	
3-Nitroaniline	ND	300	"	"	"	"	"	"	
4-Nitroaniline	ND	300	"	"	"	"	"	"	
Nitrobenzene	ND	1000	"	"	"	"	"	"	
2-Nitrophenol	ND	1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
Azobenzene	ND	300	"	"	"	"	"	"	
Pyridine	ND	300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	1000	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*55.8 %*	*15-121*		"	"	"	"	
Surrogate: Phenol-d6		*56.3 %*	*24-113*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*60.2 %*	*21.3-119*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*67.7 %*	*32.4-102*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*82.9 %*	*18.1-105*		"	"	"	"	
Surrogate: Terphenyl-dl4		*86.4 %*	*29.1-130*		"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

B2@15

T183752-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015B									
C4-C12 (GRO)	ND	510	ug/kg	1	8121929	12/19/18	12/21/18	EPA 8015B/5035	
Surrogate: a,a,a-Trifluorotoluene		*76.1 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015B									
C13-C22 (DRO)	ND	10	mg/kg	1	8122017	12/20/18	12/27/18	EPA 8015B	
C23-C32 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*89.7 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	8122127	12/21/18	12/26/18	EPA 6010b	
Silver	ND	2.0	"	"	"	"	12/26/18	"	
Arsenic	ND	5.0	"	"	"	"	12/26/18	"	
Barium	**60**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	12/26/18	"	
Cadmium	ND	2.0	"	"	"	"	12/26/18	"	
Chromium	**14**	2.0	"	"	"	"	"	"	
Cobalt	**14**	2.0	"	"	"	"	"	"	
Copper	**27**	1.0	"	"	"	"	12/26/18	"	
Lead	**6.1**	3.0	"	"	"	"	12/26/18	"	
Molybdenum	**8.4**	5.0	"	"	"	"	"	"	
Nickel	**38**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**33**	5.0	"	"	"	"	12/26/18	"	
Zinc	**57**	1.0	"	"	"	"	12/26/18	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

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T183752-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	8122126	12/21/18	12/26/18	EPA 7471A Soil	
Volatile Organic Compounds by EPA Method 8260B									**M-02**
Bromobenzene	ND	5.3	ug/kg	1	8121925	12/19/18	12/27/18	EPA 8260B/5035	5035R
Bromochloromethane	ND	5.3	"	"	"	"	"	"	5035R
Bromodichloromethane	ND	5.3	"	"	"	"	"	"	5035R
Bromoform	ND	5.3	"	"	"	"	"	"	5035R
Bromomethane	ND	5.3	"	"	"	"	"	"	5035R
n-Butylbenzene	ND	5.3	"	"	"	"	"	"	5035R
sec-Butylbenzene	ND	5.3	"	"	"	"	"	"	5035R
tert-Butylbenzene	ND	5.3	"	"	"	"	"	"	5035R
Carbon tetrachloride	ND	5.3	"	"	"	"	"	"	5035R
Chlorobenzene	ND	5.3	"	"	"	"	"	"	5035R
Chloroethane	ND	5.3	"	"	"	"	"	"	5035R
Chloroform	ND	5.3	"	"	"	"	"	"	5035R
Chloromethane	ND	5.3	"	"	"	"	"	"	5035R
2-Chlorotoluene	ND	5.3	"	"	"	"	"	"	5035R
4-Chlorotoluene	ND	5.3	"	"	"	"	"	"	5035R
Dibromochloromethane	ND	5.3	"	"	"	"	"	"	5035R
1,2-Dibromo-3-chloropropane	ND	11	"	"	"	"	"	"	5035R
1,2-Dibromoethane (EDB)	ND	5.3	"	"	"	"	"	"	5035R
Dibromomethane	ND	5.3	"	"	"	"	"	"	5035R
1,2-Dichlorobenzene	ND	5.3	"	"	"	"	"	"	5035R
1,3-Dichlorobenzene	ND	5.3	"	"	"	"	"	"	5035R
1,4-Dichlorobenzene	ND	5.3	"	"	"	"	"	"	5035R
Dichlorodifluoromethane	ND	5.3	"	"	"	"	"	"	5035R
1,1-Dichloroethane	ND	5.3	"	"	"	"	"	"	5035R
1,2-Dichloroethane	ND	5.3	"	"	"	"	"	"	5035R
1,1-Dichloroethene	ND	5.3	"	"	"	"	"	"	5035R
cis-1,2-Dichloroethene	ND	5.3	"	"	"	"	"	"	5035R
trans-1,2-Dichloroethene	ND	5.3	"	"	"	"	"	"	5035R

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

B2@15

T183752-10 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B — **M-02**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	5.3	ug/kg	1	8121925	12/19/18	12/27/18	EPA 8260B/5035	5035R
1,3-Dichloropropane	ND	5.3	"	"	"	"	"	"	5035R
2,2-Dichloropropane	ND	5.3	"	"	"	"	"	"	5035R
1,1-Dichloropropene	ND	5.3	"	"	"	"	"	"	5035R
cis-1,3-Dichloropropene	ND	5.3	"	"	"	"	"	"	5035R
trans-1,3-Dichloropropene	ND	5.3	"	"	"	"	"	"	5035R
Hexachlorobutadiene	ND	5.3	"	"	"	"	"	"	5035R
Isopropylbenzene	ND	5.3	"	"	"	"	"	"	5035R
p-Isopropyltoluene	ND	5.3	"	"	"	"	"	"	5035R
Methylene chloride	ND	5.3	"	"	"	"	"	"	5035R
Naphthalene	ND	5.3	"	"	"	"	"	"	5035R
n-Propylbenzene	ND	5.3	"	"	"	"	"	"	5035R
Styrene	ND	5.3	"	"	"	"	"	"	5035R
1,1,2,2-Tetrachloroethane	ND	5.3	"	"	"	"	"	"	5035R
1,1,1,2-Tetrachloroethane	ND	5.3	"	"	"	"	"	"	5035R
Tetrachloroethene	ND	5.3	"	"	"	"	"	"	5035R
1,2,3-Trichlorobenzene	ND	5.3	"	"	"	"	"	"	5035R
1,2,4-Trichlorobenzene	ND	5.3	"	"	"	"	"	"	5035R
1,1,2-Trichloroethane	ND	5.3	"	"	"	"	"	"	5035R
1,1,1-Trichloroethane	ND	5.3	"	"	"	"	"	"	5035R
Trichloroethene	ND	5.3	"	"	"	"	"	"	5035R
Trichlorofluoromethane	ND	5.3	"	"	"	"	"	"	5035R
1,2,3-Trichloropropane	ND	5.3	"	"	"	"	"	"	5035R
1,3,5-Trimethylbenzene	ND	5.3	"	"	"	"	"	"	5035R
1,2,4-Trimethylbenzene	ND	5.3	"	"	"	"	"	"	5035R
Vinyl chloride	ND	5.3	"	"	"	"	"	"	5035R
Benzene	ND	5.3	"	"	"	"	"	"	5035R
Toluene	ND	5.3	"	"	"	"	"	"	5035R
Ethylbenzene	ND	5.3	"	"	"	"	"	"	5035R
m,p-Xylene	ND	11	"	"	"	"	"	"	5035R
o-Xylene	ND	5.3	"	"	"	"	"	"	5035R

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Joann Marroquin

Joann Marroquin, Client Services Manager

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

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T183752-10 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									**M-02**
Surrogate: Toluene-d8		*98.1 %*	*76.1-127*		*8121925*	*12/19/18*	*12/27/18*	*EPA 8260B/5035*	*5035R*
Surrogate: 4-Bromofluorobenzene		*96.1 %*	*85.9-114*		*"*	*"*	*"*	*"*	*5035R*
Surrogate: Dibromofluoromethane		*109 %*	*77.8-142*		*"*	*"*	*"*	*"*	*5035R*
Semivolatile Organic Compounds by EPA Method 8270C									
Carbazole	ND	300	ug/kg	1	8122018	12/20/18	12/26/18	EPA 8270C	
Aniline	ND	300	"	"	"	"	"	"	
Phenol	ND	1000	"	"	"	"	"	"	
2-Chlorophenol	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1000	"	"	"	"	"	"	
1-Methylnaphthalene	ND	300	"	"	"	"	"	"	
2-Methylnaphthalene	ND	300	"	"	"	"	"	"	
Acenaphthene	ND	300	"	"	"	"	"	"	
4-Nitrophenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	300	"	"	"	"	"	"	
Pentachlorophenol	ND	1000	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Benzyl alcohol	ND	300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	300	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	300	"	"	"	"	"	"	

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T183752-10 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4-Bromophenyl phenyl ether	ND	300	ug/kg	1	8122018	12/20/18	12/26/18	EPA 8270C	
Butyl benzyl phthalate	ND	300	"	"	"	"	"	"	
4-Chloroaniline	ND	300	"	"	"	"	"	"	
2-Chloronaphthalene	ND	300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Dibenzofuran	ND	300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1000	"	"	"	"	"	"	
Diethyl phthalate	ND	300	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1000	"	"	"	"	"	"	
Dimethyl phthalate	ND	300	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Hexachlorobenzene	ND	1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND	300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	1000	"	"	"	"	"	"	
Hexachloroethane	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"	
Isophorone	ND	300	"	"	"	"	"	"	
2-Methylphenol	ND	1000	"	"	"	"	"	"	
4-Methylphenol	ND	1000	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
2-Nitroaniline	ND	300	"	"	"	"	"	"	
3-Nitroaniline	ND	300	"	"	"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

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T183752-10 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4-Nitroaniline	ND	300	ug/kg	1	8122018	12/20/18	12/26/18	EPA 8270C	
Nitrobenzene	ND	1000	"	"	"	"	"	"	
2-Nitrophenol	ND	1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
Azobenzene	ND	300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	1000	"	"	"	"	"	"	
Pyridine	ND	300	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*48.5 %*	*15-121*		"	"	"	"	
Surrogate: Phenol-d6		*48.8 %*	*24-113*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*57.2 %*	*21.3-119*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*61.9 %*	*32.4-102*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*72.6 %*	*18.1-105*		"	"	"	"	
Surrogate: Terphenyl-dl4		*70.4 %*	*29.1-130*		"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

B3@1

T183752-11 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015B									
C4-C12 (GRO)	ND	480	ug/kg	1	8121929	12/19/18	12/21/18	EPA 8015B/5035	
Surrogate: a,a,a-Trifluorotoluene		*71.0 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015B									
C13-C22 (DRO)	ND	10	mg/kg	1	8122017	12/20/18	12/27/18	EPA 8015B	
C23-C32 (MORO)	**220**	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*90.1 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	8122127	12/21/18	12/26/18	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	**150**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	12/26/18	"	
Cadmium	ND	2.0	"	"	"	"	12/26/18	"	
Chromium	**14**	2.0	"	"	"	"	"	"	
Cobalt	**12**	2.0	"	"	"	"	"	"	
Copper	**27**	1.0	"	"	"	"	"	"	
Lead	**10**	3.0	"	"	"	"	"	"	
Molybdenum	**5.4**	5.0	"	"	"	"	"	"	
Nickel	**32**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**37**	5.0	"	"	"	"	"	"	
Zinc	**67**	1.0	"	"	"	"	"	"	

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B3@1

T183752-11 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	8122126	12/21/18	12/26/18	EPA 7471A Soil	
Organochlorine Pesticides by EPA Method 8081A									
alpha-BHC	ND	250	ug/kg	50	8121933	12/19/18	12/20/18	EPA 8081A	R-07
gamma-BHC (Lindane)	ND	250	"	"	"	"	"	"	R-07
beta-BHC	ND	250	"	"	"	"	"	"	R-07
delta-BHC	ND	250	"	"	"	"	"	"	R-07
Heptachlor	ND	250	"	"	"	"	"	"	R-07
Aldrin	ND	250	"	"	"	"	"	"	R-07
Heptachlor epoxide	ND	250	"	"	"	"	"	"	R-07
gamma-Chlordane	ND	250	"	"	"	"	"	"	R-07
alpha-Chlordane	ND	250	"	"	"	"	"	"	R-07
Endosulfan I	ND	250	"	"	"	"	"	"	R-07
4,4´-DDE	ND	250	"	"	"	"	"	"	R-07
Dieldrin	ND	250	"	"	"	"	"	"	R-07
Endrin	ND	250	"	"	"	"	"	"	R-07
4,4´-DDD	ND	250	"	"	"	"	"	"	R-07
Endosulfan II	ND	250	"	"	"	"	"	"	R-07
4,4´-DDT	ND	250	"	"	"	"	"	"	R-07
Endrin aldehyde	ND	250	"	"	"	"	"	"	R-07
Endosulfan sulfate	ND	250	"	"	"	"	"	"	R-07
Methoxychlor	ND	250	"	"	"	"	"	"	R-07
Endrin ketone	ND	250	"	"	"	"	"	"	R-07
Toxaphene	ND	1000	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		*92.9 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*86.6 %*	*35-140*		"	"	"	"	

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24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

B3@1

T183752-11 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	10	ug/kg	1	8121934	12/19/18	12/26/18	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*89.1 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*73.5 %*	*35-140*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									**M-02**
Bromobenzene	ND	4.9	ug/kg	1	8121925	12/19/18	12/27/18	EPA 8260B/5035	5035R
Bromochloromethane	ND	4.9	"	"	"	"	"	"	5035R
Bromodichloromethane	ND	4.9	"	"	"	"	"	"	5035R
Bromoform	ND	4.9	"	"	"	"	"	"	5035R
Bromomethane	ND	4.9	"	"	"	"	"	"	5035R
n-Butylbenzene	ND	4.9	"	"	"	"	"	"	5035R
sec-Butylbenzene	ND	4.9	"	"	"	"	"	"	5035R
tert-Butylbenzene	ND	4.9	"	"	"	"	"	"	5035R
Carbon tetrachloride	ND	4.9	"	"	"	"	"	"	5035R
Chlorobenzene	ND	4.9	"	"	"	"	"	"	5035R
Chloroethane	ND	4.9	"	"	"	"	"	"	5035R
Chloroform	ND	4.9	"	"	"	"	"	"	5035R
Chloromethane	ND	4.9	"	"	"	"	"	"	5035R
2-Chlorotoluene	ND	4.9	"	"	"	"	"	"	5035R
4-Chlorotoluene	ND	4.9	"	"	"	"	"	"	5035R
Dibromochloromethane	ND	4.9	"	"	"	"	"	"	5035R
1,2-Dibromo-3-chloropropane	ND	9.8	"	"	"	"	"	"	5035R
1,2-Dibromoethane (EDB)	ND	4.9	"	"	"	"	"	"	5035R
Dibromomethane	ND	4.9	"	"	"	"	"	"	5035R
1,2-Dichlorobenzene	ND	4.9	"	"	"	"	"	"	5035R
1,3-Dichlorobenzene	ND	4.9	"	"	"	"	"	"	5035R

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B3@1

T183752-11 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									**M-02**
1,4-Dichlorobenzene	ND	4.9	ug/kg	1	8121925	12/19/18	12/27/18	EPA 8260B/5035	5035R
Dichlorodifluoromethane	ND	4.9	"	"	"	"	"	"	5035R
1,1-Dichloroethane	ND	4.9	"	"	"	"	"	"	5035R
1,2-Dichloroethane	ND	4.9	"	"	"	"	"	"	5035R
1,1-Dichloroethene	ND	4.9	"	"	"	"	"	"	5035R
cis-1,2-Dichloroethene	ND	4.9	"	"	"	"	"	"	5035R
trans-1,2-Dichloroethene	ND	4.9	"	"	"	"	"	"	5035R
1,2-Dichloropropane	ND	4.9	"	"	"	"	"	"	5035R
1,3-Dichloropropane	ND	4.9	"	"	"	"	"	"	5035R
2,2-Dichloropropane	ND	4.9	"	"	"	"	"	"	5035R
1,1-Dichloropropene	ND	4.9	"	"	"	"	"	"	5035R
cis-1,3-Dichloropropene	ND	4.9	"	"	"	"	"	"	5035R
trans-1,3-Dichloropropene	ND	4.9	"	"	"	"	"	"	5035R
Hexachlorobutadiene	ND	4.9	"	"	"	"	"	"	5035R
Isopropylbenzene	ND	4.9	"	"	"	"	"	"	5035R
p-Isopropyltoluene	ND	4.9	"	"	"	"	"	"	5035R
Methylene chloride	ND	4.9	"	"	"	"	"	"	5035R
Naphthalene	ND	4.9	"	"	"	"	"	"	5035R
n-Propylbenzene	ND	4.9	"	"	"	"	"	"	5035R
Styrene	ND	4.9	"	"	"	"	"	"	5035R
1,1,2,2-Tetrachloroethane	ND	4.9	"	"	"	"	"	"	5035R
1,1,1,2-Tetrachloroethane	ND	4.9	"	"	"	"	"	"	5035R
Tetrachloroethene	ND	4.9	"	"	"	"	"	"	5035R
1,2,3-Trichlorobenzene	ND	4.9	"	"	"	"	"	"	5035R
1,2,4-Trichlorobenzene	ND	4.9	"	"	"	"	"	"	5035R
1,1,2-Trichloroethane	ND	4.9	"	"	"	"	"	"	5035R
1,1,1-Trichloroethane	ND	4.9	"	"	"	"	"	"	5035R
Trichloroethene	ND	4.9	"	"	"	"	"	"	5035R
Trichlorofluoromethane	ND	4.9	"	"	"	"	"	"	5035R
1,2,3-Trichloropropane	ND	4.9	"	"	"	"	"	"	5035R
1,3,5-Trimethylbenzene	ND	4.9	"	"	"	"	"	"	5035R

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

B3@1

T183752-11 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									**M-02**
1,2,4-Trimethylbenzene	ND	4.9	ug/kg	1	8121925	12/19/18	12/27/18	EPA 8260B/5035	5035R
Vinyl chloride	ND	4.9	"	"	"	"	"	"	5035R
Benzene	ND	4.9	"	"	"	"	"	"	5035R
Toluene	ND	4.9	"	"	"	"	"	"	5035R
Ethylbenzene	**22**	4.9	"	"	"	"	"	"	5035R
m,p-Xylene	**110**	9.8	"	"	"	"	"	"	5035R
o-Xylene	**45**	4.9	"	"	"	"	"	"	5035R
Surrogate: Toluene-d8		*91.3 %*	*76.1-127*		"	"	"	"	*5035R*
Surrogate: 4-Bromofluorobenzene		*87.0 %*	*85.9-114*		"	"	"	"	*5035R*
Surrogate: Dibromofluoromethane		*117 %*	*77.8-142*		"	"	"	"	*5035R*
Semivolatile Organic Compounds by EPA Method 8270C									
Carbazole	ND	300000	ug/kg	1000	8122018	12/20/18	12/26/18	EPA 8270C	R-07
Phenol	ND	1000000	"	"	"	"	"	"	R-07
Aniline	ND	300000	"	"	"	"	"	"	R-07
2-Chlorophenol	ND	1000000	"	"	"	"	"	"	R-07
1,4-Dichlorobenzene	ND	300000	"	"	"	"	"	"	R-07
N-Nitrosodi-n-propylamine	ND	300000	"	"	"	"	"	"	R-07
1,2,4-Trichlorobenzene	ND	300000	"	"	"	"	"	"	R-07
4-Chloro-3-methylphenol	ND	1000000	"	"	"	"	"	"	R-07
2-Methylnaphthalene	ND	300000	"	"	"	"	"	"	R-07
1-Methylnaphthalene	ND	300000	"	"	"	"	"	"	R-07
Acenaphthene	ND	300000	"	"	"	"	"	"	R-07
4-Nitrophenol	ND	1000000	"	"	"	"	"	"	R-07
2,4-Dinitrotoluene	ND	300000	"	"	"	"	"	"	R-07
Pentachlorophenol	ND	1000000	"	"	"	"	"	"	R-07
Pyrene	ND	300000	"	"	"	"	"	"	R-07
Acenaphthylene	ND	300000	"	"	"	"	"	"	R-07
Anthracene	ND	300000	"	"	"	"	"	"	R-07
Benzo (a) anthracene	ND	300000	"	"	"	"	"	"	R-07
Benzo (b) fluoranthene	ND	300000	"	"	"	"	"	"	R-07
Benzo (k) fluoranthene	ND	300000	"	"	"	"	"	"	R-07

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

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T183752-11 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (g,h,i) perylene	ND	1000000	ug/kg	1000	8122018	12/20/18	12/26/18	EPA 8270C	R-07
Benzo (a) pyrene	ND	300000	"	"	"	"	"	"	R-07
Benzyl alcohol	ND	300000	"	"	"	"	"	"	R-07
Bis(2-chloroethoxy)methane	ND	300000	"	"	"	"	"	"	R-07
Bis(2-chloroethyl)ether	ND	300000	"	"	"	"	"	"	R-07
Bis(2-chloroisopropyl)ether	ND	300000	"	"	"	"	"	"	R-07
Bis(2-ethylhexyl)phthalate	ND	300000	"	"	"	"	"	"	R-07
4-Bromophenyl phenyl ether	ND	300000	"	"	"	"	"	"	R-07
Butyl benzyl phthalate	ND	300000	"	"	"	"	"	"	R-07
4-Chloroaniline	ND	300000	"	"	"	"	"	"	R-07
2-Chloronaphthalene	ND	300000	"	"	"	"	"	"	R-07
4-Chlorophenyl phenyl ether	ND	300000	"	"	"	"	"	"	R-07
Chrysene	ND	300000	"	"	"	"	"	"	R-07
Dibenz (a,h) anthracene	ND	300000	"	"	"	"	"	"	R-07
Dibenzofuran	ND	300000	"	"	"	"	"	"	R-07
Di-n-butyl phthalate	ND	300000	"	"	"	"	"	"	R-07
1,2-Dichlorobenzene	ND	300000	"	"	"	"	"	"	R-07
1,3-Dichlorobenzene	ND	300000	"	"	"	"	"	"	R-07
2,4-Dichlorophenol	ND	1000000	"	"	"	"	"	"	R-07
Diethyl phthalate	ND	300000	"	"	"	"	"	"	R-07
2,4-Dimethylphenol	ND	1000000	"	"	"	"	"	"	R-07
Dimethyl phthalate	ND	300000	"	"	"	"	"	"	R-07
4,6-Dinitro-2-methylphenol	ND	1000000	"	"	"	"	"	"	R-07
2,4-Dinitrophenol	ND	1000000	"	"	"	"	"	"	R-07
2,6-Dinitrotoluene	ND	1000000	"	"	"	"	"	"	R-07
Di-n-octyl phthalate	ND	300000	"	"	"	"	"	"	R-07
Fluoranthene	ND	300000	"	"	"	"	"	"	R-07
Fluorene	ND	300000	"	"	"	"	"	"	R-07
Hexachlorobenzene	ND	1500000	"	"	"	"	"	"	R-07
Hexachlorobutadiene	ND	300000	"	"	"	"	"	"	R-07
Hexachlorocyclopentadiene	ND	1000000	"	"	"	"	"	"	R-07
Hexachloroethane	ND	300000	"	"	"	"	"	"	R-07

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T183752-11 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Indeno (1,2,3-cd) pyrene	ND	300000	ug/kg	1000	8122018	12/20/18	12/26/18	EPA 8270C	R-07
Isophorone	ND	300000	"	"	"	"	"	"	R-07
2-Methylphenol	ND	1000000	"	"	"	"	"	"	R-07
4-Methylphenol	ND	1000000	"	"	"	"	"	"	R-07
Naphthalene	ND	300000	"	"	"	"	"	"	R-07
2-Nitroaniline	ND	300000	"	"	"	"	"	"	R-07
3-Nitroaniline	ND	300000	"	"	"	"	"	"	R-07
4-Nitroaniline	ND	300000	"	"	"	"	"	"	R-07
Nitrobenzene	ND	1000000	"	"	"	"	"	"	R-07
2-Nitrophenol	ND	1000000	"	"	"	"	"	"	R-07
N-Nitrosodimethylamine	ND	300000	"	"	"	"	"	"	R-07
N-Nitrosodiphenylamine	ND	300000	"	"	"	"	"	"	R-07
2,3,5,6-Tetrachlorophenol	ND	300000	"	"	"	"	"	"	R-07
2,3,4,6-Tetrachlorophenol	ND	300000	"	"	"	"	"	"	R-07
Phenanthrene	ND	300000	"	"	"	"	"	"	R-07
Azobenzene	ND	300000	"	"	"	"	"	"	R-07
Pyridine	ND	300000	"	"	"	"	"	"	R-07
2,4,5-Trichlorophenol	ND	1000000	"	"	"	"	"	"	R-07
2,4,6-Trichlorophenol	ND	1000000	"	"	"	"	"	"	R-07
Surrogate: 2-Fluorophenol		*%*	*15-121*		"	"	"	"	*S-01*
Surrogate: Phenol-d6		*%*	*24-113*		"	"	"	"	*S-01*
Surrogate: Nitrobenzene-d5		*%*	*21.3-119*		"	"	"	"	*S-01*
Surrogate: 2-Fluorobiphenyl		*%*	*32.4-102*		"	"	"	"	*S-01*
Surrogate: 2,4,6-Tribromophenol		*%*	*18.1-105*		"	"	"	"	*S-01*
Surrogate: Terphenyl-dl4		*%*	*29.1-130*		"	"	"	"	*S-01*

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T183752-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015B									
C4-C12 (GRO)	ND	510	ug/kg	1	8121929	12/19/18	12/21/18	EPA 8015B/5035	
Surrogate: a,a,a-Trifluorotoluene		*67.2 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015B									
C13-C22 (DRO)	ND	10	mg/kg	1	8122017	12/20/18	12/27/18	EPA 8015B	
C23-C32 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*90.9 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	8122127	12/21/18	12/26/18	EPA 6010b	
Silver	ND	2.0	"	"	"	"	12/26/18	"	
Arsenic	ND	5.0	"	"	"	"	12/26/18	"	
Barium	**130**	1.0	"	"	"	"	12/26/18	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	12/26/18	"	
Chromium	**19**	2.0	"	"	"	"	"	"	
Cobalt	**9.7**	2.0	"	"	"	"	"	"	
Copper	**34**	1.0	"	"	"	"	12/26/18	"	
Lead	**8.0**	3.0	"	"	"	"	12/26/18	"	
Molybdenum	**6.2**	5.0	"	"	"	"	"	"	
Nickel	**22**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**40**	5.0	"	"	"	"	12/26/18	"	
Zinc	**73**	1.0	"	"	"	"	"	"	

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B3@5

T183752-12 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	8122126	12/21/18	12/26/18	EPA 7471A Soil	
Organochlorine Pesticides by EPA Method 8081A									
alpha-BHC	ND	5.0	ug/kg	1	8121933	12/19/18	12/20/18	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4´-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4´-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4´-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*84.0 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*96.0 %*	*35-140*		"	"	"	"	

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T183752-12 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	10	ug/kg	1	8121934	12/19/18	12/26/18	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*65.3 %*		*35-140*	"	"	"	"	
Surrogate: Decachlorobiphenyl		*69.8 %*		*35-140*	"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									**M-02**
Bromobenzene	ND	5.2	ug/kg	1	8121925	12/19/18	12/27/18	EPA 8260B/5035	5035R
Bromochloromethane	ND	5.2	"	"	"	"	"	"	5035R
Bromodichloromethane	ND	5.2	"	"	"	"	"	"	5035R
Bromoform	ND	5.2	"	"	"	"	"	"	5035R
Bromomethane	ND	5.2	"	"	"	"	"	"	5035R
n-Butylbenzene	ND	5.2	"	"	"	"	"	"	5035R
sec-Butylbenzene	ND	5.2	"	"	"	"	"	"	5035R
tert-Butylbenzene	ND	5.2	"	"	"	"	"	"	5035R
Carbon tetrachloride	ND	5.2	"	"	"	"	"	"	5035R
Chlorobenzene	ND	5.2	"	"	"	"	"	"	5035R
Chloroethane	ND	5.2	"	"	"	"	"	"	5035R
Chloroform	ND	5.2	"	"	"	"	"	"	5035R
Chloromethane	ND	5.2	"	"	"	"	"	"	5035R
2-Chlorotoluene	ND	5.2	"	"	"	"	"	"	5035R
4-Chlorotoluene	ND	5.2	"	"	"	"	"	"	5035R
Dibromochloromethane	ND	5.2	"	"	"	"	"	"	5035R
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	5035R
1,2-Dibromoethane (EDB)	ND	5.2	"	"	"	"	"	"	5035R
Dibromomethane	ND	5.2	"	"	"	"	"	"	5035R
1,2-Dichlorobenzene	ND	5.2	"	"	"	"	"	"	5035R
1,3-Dichlorobenzene	ND	5.2	"	"	"	"	"	"	5035R

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T183752-12 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									**M-02**
1,4-Dichlorobenzene	ND	5.2	ug/kg	1	8121925	12/19/18	12/27/18	EPA 8260B/5035	5035R
Dichlorodifluoromethane	ND	5.2	"	"	"	"	"	"	5035R
1,1-Dichloroethane	ND	5.2	"	"	"	"	"	"	5035R
1,2-Dichloroethane	ND	5.2	"	"	"	"	"	"	5035R
1,1-Dichloroethene	ND	5.2	"	"	"	"	"	"	5035R
cis-1,2-Dichloroethene	ND	5.2	"	"	"	"	"	"	5035R
trans-1,2-Dichloroethene	ND	5.2	"	"	"	"	"	"	5035R
1,2-Dichloropropane	ND	5.2	"	"	"	"	"	"	5035R
1,3-Dichloropropane	ND	5.2	"	"	"	"	"	"	5035R
2,2-Dichloropropane	ND	5.2	"	"	"	"	"	"	5035R
1,1-Dichloropropene	ND	5.2	"	"	"	"	"	"	5035R
cis-1,3-Dichloropropene	ND	5.2	"	"	"	"	"	"	5035R
trans-1,3-Dichloropropene	ND	5.2	"	"	"	"	"	"	5035R
Hexachlorobutadiene	ND	5.2	"	"	"	"	"	"	5035R
Isopropylbenzene	ND	5.2	"	"	"	"	"	"	5035R
p-Isopropyltoluene	ND	5.2	"	"	"	"	"	"	5035R
Methylene chloride	ND	5.2	"	"	"	"	"	"	5035R
Naphthalene	ND	5.2	"	"	"	"	"	"	5035R
n-Propylbenzene	ND	5.2	"	"	"	"	"	"	5035R
Styrene	ND	5.2	"	"	"	"	"	"	5035R
1,1,2,2-Tetrachloroethane	ND	5.2	"	"	"	"	"	"	5035R
1,1,1,2-Tetrachloroethane	ND	5.2	"	"	"	"	"	"	5035R
Tetrachloroethene	ND	5.2	"	"	"	"	"	"	5035R
1,2,3-Trichlorobenzene	ND	5.2	"	"	"	"	"	"	5035R
1,2,4-Trichlorobenzene	ND	5.2	"	"	"	"	"	"	5035R
1,1,2-Trichloroethane	ND	5.2	"	"	"	"	"	"	5035R
1,1,1-Trichloroethane	ND	5.2	"	"	"	"	"	"	5035R
Trichloroethene	ND	5.2	"	"	"	"	"	"	5035R
Trichlorofluoromethane	ND	5.2	"	"	"	"	"	"	5035R
1,2,3-Trichloropropane	ND	5.2	"	"	"	"	"	"	5035R
1,3,5-Trimethylbenzene	ND	5.2	"	"	"	"	"	"	5035R

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

B3@5

T183752-12 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									**M-02**
1,2,4-Trimethylbenzene	ND	5.2	ug/kg	1	8121925	12/19/18	12/27/18	EPA 8260B/5035	5035R
Vinyl chloride	ND	5.2	"	"	"	"	"	"	5035R
Benzene	ND	5.2	"	"	"	"	"	"	5035R
Toluene	ND	5.2	"	"	"	"	"	"	5035R
Ethylbenzene	ND	5.2	"	"	"	"	"	"	5035R
m,p-Xylene	ND	10	"	"	"	"	"	"	5035R
o-Xylene	ND	5.2	"	"	"	"	"	"	5035R
Surrogate: Toluene-d8		*96.6 %*	*76.1-127*		"	"	"	"	*5035R*
Surrogate: 4-Bromofluorobenzene		*95.4 %*	*85.9-114*		"	"	"	"	*5035R*
Surrogate: Dibromofluoromethane		*112 %*	*77.8-142*		"	"	"	"	*5035R*
Semivolatile Organic Compounds by EPA Method 8270C									
Carbazole	ND	300	ug/kg	1	8122018	12/20/18	12/26/18	EPA 8270C	
Phenol	ND	1000	"	"	"	"	"	"	
Aniline	ND	300	"	"	"	"	"	"	
2-Chlorophenol	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1000	"	"	"	"	"	"	
2-Methylnaphthalene	ND	300	"	"	"	"	"	"	
1-Methylnaphthalene	ND	300	"	"	"	"	"	"	
Acenaphthene	ND	300	"	"	"	"	"	"	
4-Nitrophenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	300	"	"	"	"	"	"	
Pentachlorophenol	ND	1000	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	

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T183752-12 (Soil)

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Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (g,h,i) perylene	ND	1000	ug/kg	1	8122018	12/20/18	12/26/18	EPA 8270C	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Benzyl alcohol	ND	300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	300	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	300	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	300	"	"	"	"	"	"	
4-Chloroaniline	ND	300	"	"	"	"	"	"	
2-Chloronaphthalene	ND	300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Dibenzofuran	ND	300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1000	"	"	"	"	"	"	
Diethyl phthalate	ND	300	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1000	"	"	"	"	"	"	
Dimethyl phthalate	ND	300	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Hexachlorobenzene	ND	1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND	300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	1000	"	"	"	"	"	"	
Hexachloroethane	ND	300	"	"	"	"	"	"	

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T183752-12 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Indeno (1,2,3-cd) pyrene	ND	300	ug/kg	1	8122018	12/20/18	12/26/18	EPA 8270C	
Isophorone	ND	300	"	"	"	"	"	"	
2-Methylphenol	ND	1000	"	"	"	"	"	"	
4-Methylphenol	ND	1000	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
2-Nitroaniline	ND	300	"	"	"	"	"	"	
3-Nitroaniline	ND	300	"	"	"	"	"	"	
4-Nitroaniline	ND	300	"	"	"	"	"	"	
Nitrobenzene	ND	1000	"	"	"	"	"	"	
2-Nitrophenol	ND	1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
Azobenzene	ND	300	"	"	"	"	"	"	
Pyridine	ND	300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	1000	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*51.7 %*	*15-121*		"	"	"	"	
Surrogate: Phenol-d6		*50.7 %*	*24-113*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*56.6 %*	*21.3-119*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*63.1 %*	*32.4-102*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*79.3 %*	*18.1-105*		"	"	"	"	
Surrogate: Terphenyl-dl4		*76.6 %*	*29.1-130*		"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

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T183752-13 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015B									
C4-C12 (GRO)	ND	460	ug/kg	1	8121929	12/19/18	12/21/18	EPA 8015B/5035	
Surrogate: a,a,a-Trifluorotoluene		*65.1 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015B									
C13-C22 (DRO)	ND	10	mg/kg	1	8122017	12/20/18	12/27/18	EPA 8015B	
C23-C32 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*95.5 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	8122127	12/21/18	12/26/18	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	**6.2**	5.0	"	"	"	"	"	"	
Barium	**120**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	12/26/18	"	
Cadmium	ND	2.0	"	"	"	"	12/26/18	"	
Chromium	**17**	2.0	"	"	"	"	"	"	
Cobalt	**15**	2.0	"	"	"	"	"	"	
Copper	**40**	1.0	"	"	"	"	"	"	
Lead	**8.3**	3.0	"	"	"	"	"	"	
Molybdenum	**14**	5.0	"	"	"	"	"	"	
Nickel	**43**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**45**	5.0	"	"	"	"	"	"	
Zinc	**84**	1.0	"	"	"	"	"	"	

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T183752-13 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	8122126	12/21/18	12/26/18	EPA 7471A Soil	
Organochlorine Pesticides by EPA Method 8081A									
alpha-BHC	ND	5.0	ug/kg	1	8121933	12/19/18	12/20/18	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*86.5 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*99.0 %*	*35-140*		"	"	"	"	

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T183752-13 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	10	ug/kg	1	8121934	12/19/18	12/26/18	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*74.2 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*70.9 %*	*35-140*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									**M-02**
Bromobenzene	ND	6.4	ug/kg	1	8121925	12/19/18	12/27/18	EPA 8260B/5035	5035R
Bromochloromethane	ND	6.4	"	"	"	"	"	"	5035R
Bromodichloromethane	ND	6.4	"	"	"	"	"	"	5035R
Bromoform	ND	6.4	"	"	"	"	"	"	5035R
Bromomethane	ND	6.4	"	"	"	"	"	"	5035R
n-Butylbenzene	ND	6.4	"	"	"	"	"	"	5035R
sec-Butylbenzene	ND	6.4	"	"	"	"	"	"	5035R
tert-Butylbenzene	ND	6.4	"	"	"	"	"	"	5035R
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	5035R
Chlorobenzene	ND	6.4	"	"	"	"	"	"	5035R
Chloroethane	ND	6.4	"	"	"	"	"	"	5035R
Chloroform	ND	6.4	"	"	"	"	"	"	5035R
Chloromethane	ND	6.4	"	"	"	"	"	"	5035R
2-Chlorotoluene	ND	6.4	"	"	"	"	"	"	5035R
4-Chlorotoluene	ND	6.4	"	"	"	"	"	"	5035R
Dibromochloromethane	ND	6.4	"	"	"	"	"	"	5035R
1,2-Dibromo-3-chloropropane	ND	13	"	"	"	"	"	"	5035R
1,2-Dibromoethane (EDB)	ND	6.4	"	"	"	"	"	"	5035R
Dibromomethane	ND	6.4	"	"	"	"	"	"	5035R
1,2-Dichlorobenzene	ND	6.4	"	"	"	"	"	"	5035R
1,3-Dichlorobenzene	ND	6.4	"	"	"	"	"	"	5035R

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T183752-13 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									**M-02**
1,4-Dichlorobenzene	ND	6.4	ug/kg	1	8121925	12/19/18	12/27/18	EPA 8260B/5035	5035R
Dichlorodifluoromethane	ND	6.4	"	"	"	"	"	"	5035R
1,1-Dichloroethane	ND	6.4	"	"	"	"	"	"	5035R
1,2-Dichloroethane	ND	6.4	"	"	"	"	"	"	5035R
1,1-Dichloroethene	ND	6.4	"	"	"	"	"	"	5035R
cis-1,2-Dichloroethene	ND	6.4	"	"	"	"	"	"	5035R
trans-1,2-Dichloroethene	ND	6.4	"	"	"	"	"	"	5035R
1,2-Dichloropropane	ND	6.4	"	"	"	"	"	"	5035R
1,3-Dichloropropane	ND	6.4	"	"	"	"	"	"	5035R
2,2-Dichloropropane	ND	6.4	"	"	"	"	"	"	5035R
1,1-Dichloropropene	ND	6.4	"	"	"	"	"	"	5035R
cis-1,3-Dichloropropene	ND	6.4	"	"	"	"	"	"	5035R
trans-1,3-Dichloropropene	ND	6.4	"	"	"	"	"	"	5035R
Hexachlorobutadiene	ND	6.4	"	"	"	"	"	"	5035R
Isopropylbenzene	ND	6.4	"	"	"	"	"	"	5035R
p-Isopropyltoluene	ND	6.4	"	"	"	"	"	"	5035R
Methylene chloride	ND	6.4	"	"	"	"	"	"	5035R
Naphthalene	ND	6.4	"	"	"	"	"	"	5035R
n-Propylbenzene	ND	6.4	"	"	"	"	"	"	5035R
Styrene	ND	6.4	"	"	"	"	"	"	5035R
1,1,2,2-Tetrachloroethane	ND	6.4	"	"	"	"	"	"	5035R
1,1,1,2-Tetrachloroethane	ND	6.4	"	"	"	"	"	"	5035R
Tetrachloroethene	ND	6.4	"	"	"	"	"	"	5035R
1,2,3-Trichlorobenzene	ND	6.4	"	"	"	"	"	"	5035R
1,2,4-Trichlorobenzene	ND	6.4	"	"	"	"	"	"	5035R
1,1,2-Trichloroethane	ND	6.4	"	"	"	"	"	"	5035R
1,1,1-Trichloroethane	ND	6.4	"	"	"	"	"	"	5035R
Trichloroethene	ND	6.4	"	"	"	"	"	"	5035R
Trichlorofluoromethane	ND	6.4	"	"	"	"	"	"	5035R
1,2,3-Trichloropropane	ND	6.4	"	"	"	"	"	"	5035R
1,3,5-Trimethylbenzene	ND	6.4	"	"	"	"	"	"	5035R

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T183752-13 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									**M-02**
1,2,4-Trimethylbenzene	ND	6.4	ug/kg	1	8121925	12/19/18	12/27/18	EPA 8260B/5035	5035R
Vinyl chloride	ND	6.4	"	"	"	"	"	"	5035R
Benzene	ND	6.4	"	"	"	"	"	"	5035R
Toluene	ND	6.4	"	"	"	"	"	"	5035R
Ethylbenzene	ND	6.4	"	"	"	"	"	"	5035R
m,p-Xylene	ND	13	"	"	"	"	"	"	5035R
o-Xylene	ND	6.4	"	"	"	"	"	"	5035R
Surrogate: Toluene-d8		*95.6 %*	*76.1-127*		"	"	"	"	*5035R*
Surrogate: 4-Bromofluorobenzene		*98.2 %*	*85.9-114*		"	"	"	"	*5035R*
Surrogate: Dibromofluoromethane		*117 %*	*77.8-142*		"	"	"	"	*5035R*
Semivolatile Organic Compounds by EPA Method 8270C									
Carbazole	ND	300	ug/kg	1	8122018	12/20/18	12/26/18	EPA 8270C	
Phenol	ND	1000	"	"	"	"	"	"	
Aniline	ND	300	"	"	"	"	"	"	
2-Chlorophenol	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1000	"	"	"	"	"	"	
2-Methylnaphthalene	ND	300	"	"	"	"	"	"	
1-Methylnaphthalene	ND	300	"	"	"	"	"	"	
Acenaphthene	ND	300	"	"	"	"	"	"	
4-Nitrophenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	300	"	"	"	"	"	"	
Pentachlorophenol	ND	1000	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	

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Joann Marroquin

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

B3@10

T183752-13 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (g,h,i) perylene	ND	1000	ug/kg	1	8122018	12/20/18	12/26/18	EPA 8270C	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Benzyl alcohol	ND	300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	300	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	300	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	300	"	"	"	"	"	"	
4-Chloroaniline	ND	300	"	"	"	"	"	"	
2-Chloronaphthalene	ND	300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Dibenzofuran	ND	300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1000	"	"	"	"	"	"	
Diethyl phthalate	ND	300	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1000	"	"	"	"	"	"	
Dimethyl phthalate	ND	300	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Hexachlorobenzene	ND	1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND	300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	1000	"	"	"	"	"	"	
Hexachloroethane	ND	300	"	"	"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

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T183752-13 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Indeno (1,2,3-cd) pyrene	ND	300	ug/kg	1	8122018	12/20/18	12/26/18	EPA 8270C	
Isophorone	ND	300	"	"	"	"	"	"	
2-Methylphenol	ND	1000	"	"	"	"	"	"	
4-Methylphenol	ND	1000	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
2-Nitroaniline	ND	300	"	"	"	"	"	"	
3-Nitroaniline	ND	300	"	"	"	"	"	"	
4-Nitroaniline	ND	300	"	"	"	"	"	"	
Nitrobenzene	ND	1000	"	"	"	"	"	"	
2-Nitrophenol	ND	1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
Azobenzene	ND	300	"	"	"	"	"	"	
Pyridine	ND	300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	1000	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*58.9 %*	*15-121*		"	"	"	"	
Surrogate: Phenol-d6		*62.4 %*	*24-113*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*69.9 %*	*21.3-119*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*78.8 %*	*32.4-102*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*93.0 %*	*18.1-105*		"	"	"	"	
Surrogate: Terphenyl-dl4		*93.5 %*	*29.1-130*		"	"	"	"	

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T183752-14 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015B									
C4-C12 (GRO)	ND	520	ug/kg	1	8121929	12/19/18	12/21/18	EPA 8015B/5035	
Surrogate: a,a,a-Trifluorotoluene		*60.9 %*	*65-135*		"	"	"	"	*S-04*
Extractable Petroleum Hydrocarbons by 8015B									
C13-C22 (DRO)	ND	10	mg/kg	1	8122017	12/20/18	12/27/18	EPA 8015B	
C23-C32 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*92.7 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	8122127	12/21/18	12/26/18	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	**7.4**	5.0	"	"	"	"	"	"	
Barium	**85**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	**17**	2.0	"	"	"	"	"	"	
Cobalt	**18**	2.0	"	"	"	"	"	"	
Copper	**31**	1.0	"	"	"	"	"	"	
Lead	**7.4**	3.0	"	"	"	"	"	"	
Molybdenum	**10**	5.0	"	"	"	"	"	"	
Nickel	**46**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**43**	5.0	"	"	"	"	"	"	
Zinc	**83**	1.0	"	"	"	"	"	"	

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T183752-14 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	8122126	12/21/18	12/26/18	EPA 7471A Soil	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.2	ug/kg	1	8121925	12/19/18	12/27/18	EPA 8260B/5035	M-02, 5035R
Bromochloromethane	ND	5.2	"	"	"	"	"	"	M-02, 5035R
Bromodichloromethane	ND	5.2	"	"	"	"	"	"	5035R, M-02
Bromoform	ND	5.2	"	"	"	"	"	"	5035R, M-02
Bromomethane	ND	5.2	"	"	"	"	"	"	5035R, M-02
n-Butylbenzene	ND	5.2	"	"	"	"	"	"	5035R, M-02
sec-Butylbenzene	ND	5.2	"	"	"	"	"	"	M-02, 5035R
tert-Butylbenzene	ND	5.2	"	"	"	"	"	"	M-02, 5035R
Carbon tetrachloride	ND	5.2	"	"	"	"	"	"	M-02, 5035R
Chlorobenzene	ND	5.2	"	"	"	"	"	"	M-02, 5035R
Chloroethane	ND	5.2	"	"	"	"	"	"	M-02, 5035R
Chloroform	ND	5.2	"	"	"	"	"	"	M-02, 5035R
Chloromethane	ND	5.2	"	"	"	"	"	"	M-02, 5035R
2-Chlorotoluene	ND	5.2	"	"	"	"	"	"	M-02, 5035R
4-Chlorotoluene	ND	5.2	"	"	"	"	"	"	M-02, 5035R
Dibromochloromethane	ND	5.2	"	"	"	"	"	"	M-02, 5035R
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	M-02, 5035R
1,2-Dibromoethane (EDB)	ND	5.2	"	"	"	"	"	"	M-02, 5035R
Dibromomethane	ND	5.2	"	"	"	"	"	"	M-02, 5035R
1,2-Dichlorobenzene	ND	5.2	"	"	"	"	"	"	M-02, 5035R
1,3-Dichlorobenzene	ND	5.2	"	"	"	"	"	"	M-02, 5035R
1,4-Dichlorobenzene	ND	5.2	"	"	"	"	"	"	M-02, 5035R
Dichlorodifluoromethane	ND	5.2	"	"	"	"	"	"	M-02, 5035R
1,1-Dichloroethane	ND	5.2	"	"	"	"	"	"	M-02, 5035R
1,2-Dichloroethane	ND	5.2	"	"	"	"	"	"	M-02, 5035R
1,1-Dichloroethene	ND	5.2	"	"	"	"	"	"	M-02, 5035R
cis-1,2-Dichloroethene	ND	5.2	"	"	"	"	"	"	M-02, 5035R
trans-1,2-Dichloroethene	ND	5.2	"	"	"	"	"	"	M-02, 5035R

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T183752-14 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	5.2	ug/kg	1	8121925	12/19/18	12/27/18	EPA 8260B/5035	M-02, 5035R
1,3-Dichloropropane	ND	5.2	"	"	"	"	"	"	M-02, 5035R
2,2-Dichloropropane	ND	5.2	"	"	"	"	"	"	M-02, 5035R
1,1-Dichloropropene	ND	5.2	"	"	"	"	"	"	M-02, 5035R
cis-1,3-Dichloropropene	ND	5.2	"	"	"	"	"	"	M-02, 5035R
trans-1,3-Dichloropropene	ND	5.2	"	"	"	"	"	"	M-02, 5035R
Hexachlorobutadiene	ND	5.2	"	"	"	"	"	"	M-02, 5035R
Isopropylbenzene	ND	5.2	"	"	"	"	"	"	M-02, 5035R
p-Isopropyltoluene	ND	5.2	"	"	"	"	"	"	M-02, 5035R
Methylene chloride	ND	5.2	"	"	"	"	"	"	M-02, 5035R
Naphthalene	ND	5.2	"	"	"	"	"	"	M-02, 5035R
n-Propylbenzene	ND	5.2	"	"	"	"	"	"	M-02, 5035R
Styrene	ND	5.2	"	"	"	"	"	"	M-02, 5035R
1,1,2,2-Tetrachloroethane	ND	5.2	"	"	"	"	"	"	M-02, 5035R
1,1,1,2-Tetrachloroethane	ND	5.2	"	"	"	"	"	"	5035R, M-02
Tetrachloroethene	ND	5.2	"	"	"	"	"	"	5035R, M-02
1,2,3-Trichlorobenzene	ND	5.2	"	"	"	"	"	"	5035R, M-02
1,2,4-Trichlorobenzene	ND	5.2	"	"	"	"	"	"	5035R, M-02
1,1,2-Trichloroethane	ND	5.2	"	"	"	"	"	"	5035R, M-02
1,1,1-Trichloroethane	ND	5.2	"	"	"	"	"	"	5035R, M-02
Trichloroethene	ND	5.2	"	"	"	"	"	"	5035R, M-02
Trichlorofluoromethane	ND	5.2	"	"	"	"	"	"	5035R, M-02
1,2,3-Trichloropropane	ND	5.2	"	"	"	"	"	"	5035R, M-02
1,3,5-Trimethylbenzene	ND	5.2	"	"	"	"	"	"	5035R, M-02
1,2,4-Trimethylbenzene	ND	5.2	"	"	"	"	"	"	5035R, M-02
Vinyl chloride	ND	5.2	"	"	"	"	"	"	5035R, M-02
Benzene	ND	5.2	"	"	"	"	"	"	5035R, M-02
Toluene	ND	5.2	"	"	"	"	"	"	5035R, M-02
Ethylbenzene	**7.1**	5.2	"	"	"	"	"	"	5035R, M-02
m,p-Xylene	ND	10	"	"	"	"	"	"	5035R, M-02
o-Xylene	ND	5.2	"	"	"	"	"	"	5035R, M-02

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

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T183752-14 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
Surrogate: Toluene-d8		*98.8 %*		*76.1-127*	*8121925*	*12/19/18*	*12/27/18*	*EPA 8260B/5035*	*5035R*
Surrogate: 4-Bromofluorobenzene		*103 %*		*85.9-114*	"	"	"	"	*5035R*
Surrogate: Dibromofluoromethane		*115 %*		*77.8-142*	"	"	"	"	*5035R*
Semivolatile Organic Compounds by EPA Method 8270C									
Carbazole	ND	300	ug/kg	1	8122018	12/20/18	12/26/18	EPA 8270C	
Aniline	ND	300	"	"	"	"	"	"	
Phenol	ND	1000	"	"	"	"	"	"	
2-Chlorophenol	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1000	"	"	"	"	"	"	
2-Methylnaphthalene	ND	300	"	"	"	"	"	"	
1-Methylnaphthalene	ND	300	"	"	"	"	"	"	
Acenaphthene	ND	300	"	"	"	"	"	"	
4-Nitrophenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	300	"	"	"	"	"	"	
Pentachlorophenol	ND	1000	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Benzyl alcohol	ND	300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	300	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	300	"	"	"	"	"	"	

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T183752-14 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4-Bromophenyl phenyl ether	ND	300	ug/kg	1	8122018	12/20/18	12/26/18	EPA 8270C	
Butyl benzyl phthalate	ND	300	"	"	"	"	"	"	
4-Chloroaniline	ND	300	"	"	"	"	"	"	
2-Chloronaphthalene	ND	300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Dibenzofuran	ND	300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1000	"	"	"	"	"	"	
Diethyl phthalate	ND	300	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1000	"	"	"	"	"	"	
Dimethyl phthalate	ND	300	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Hexachlorobenzene	ND	1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND	300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	1000	"	"	"	"	"	"	
Hexachloroethane	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"	
Isophorone	ND	300	"	"	"	"	"	"	
2-Methylphenol	ND	1000	"	"	"	"	"	"	
4-Methylphenol	ND	1000	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
2-Nitroaniline	ND	300	"	"	"	"	"	"	
3-Nitroaniline	ND	300	"	"	"	"	"	"	

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24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

B3@15

T183752-14 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4-Nitroaniline	ND	300	ug/kg	1	8122018	12/20/18	12/26/18	EPA 8270C	
Nitrobenzene	ND	1000	"	"	"	"	"	"	
2-Nitrophenol	ND	1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
Azobenzene	ND	300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	1000	"	"	"	"	"	"	
Pyridine	ND	300	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*62.5 %*	*15-121*		"	"	"	"	
Surrogate: Phenol-d6		*59.5 %*	*24-113*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*69.0 %*	*21.3-119*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*74.2 %*	*32.4-102*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*88.8 %*	*18.1-105*		"	"	"	"	
Surrogate: Terphenyl-dl4		*91.0 %*	*29.1-130*		"	"	"	"	

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24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

B4@1

T183752-15 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015B									
C4-C12 (GRO)	ND	520	ug/kg	1	8121929	12/19/18	12/21/18	EPA 8015B/5035	
Surrogate: a,a,a-Trifluorotoluene		*60.1 %*	*65-135*		"	"	"	"	*S-04*
Extractable Petroleum Hydrocarbons by 8015B									
C13-C22 (DRO)	ND	10	mg/kg	1	8122017	12/20/18	12/27/18	EPA 8015B	
C23-C32 (MORO)	**450**	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*92.6 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	8122127	12/21/18	12/26/18	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	ND	5.0	"	"	"	"	"	"	
Barium	**320**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	12/26/18	"	
Cadmium	ND	2.0	"	"	"	"	12/26/18	"	
Chromium	**14**	2.0	"	"	"	"	"	"	
Cobalt	**13**	2.0	"	"	"	"	"	"	
Copper	**30**	1.0	"	"	"	"	"	"	
Lead	**11**	3.0	"	"	"	"	"	"	
Molybdenum	**8.4**	5.0	"	"	"	"	"	"	
Nickel	**29**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**36**	5.0	"	"	"	"	"	"	
Zinc	**81**	1.0	"	"	"	"	"	"	

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T183752-15 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	8122126	12/21/18	12/26/18	EPA 7471A Soil	
Organochlorine Pesticides by EPA Method 8081A									
alpha-BHC	ND	250	ug/kg	50	8121933	12/19/18	12/20/18	EPA 8081A	R-07
gamma-BHC (Lindane)	ND	250	"	"	"	"	"	"	R-07
beta-BHC	ND	250	"	"	"	"	"	"	R-07
delta-BHC	ND	250	"	"	"	"	"	"	R-07
Heptachlor	ND	250	"	"	"	"	"	"	R-07
Aldrin	ND	250	"	"	"	"	"	"	R-07
Heptachlor epoxide	ND	250	"	"	"	"	"	"	R-07
gamma-Chlordane	ND	250	"	"	"	"	"	"	R-07
alpha-Chlordane	ND	250	"	"	"	"	"	"	R-07
Endosulfan I	ND	250	"	"	"	"	"	"	R-07
4,4´-DDE	ND	250	"	"	"	"	"	"	R-07
Dieldrin	ND	250	"	"	"	"	"	"	R-07
Endrin	ND	250	"	"	"	"	"	"	R-07
4,4´-DDD	ND	250	"	"	"	"	"	"	R-07
Endosulfan II	ND	250	"	"	"	"	"	"	R-07
4,4´-DDT	ND	250	"	"	"	"	"	"	R-07
Endrin aldehyde	ND	250	"	"	"	"	"	"	R-07
Endosulfan sulfate	ND	250	"	"	"	"	"	"	R-07
Methoxychlor	ND	250	"	"	"	"	"	"	R-07
Endrin ketone	ND	250	"	"	"	"	"	"	R-07
Toxaphene	ND	1000	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		*102 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*85.1 %*	*35-140*		"	"	"	"	

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T183752-15 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	10	ug/kg	1	8121934	12/19/18	12/26/18	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*79.0 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*71.5 %*	*35-140*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	6.2	ug/kg	1	8121925	12/19/18	12/27/18	EPA 8260B/5035	M-02, 5035R
Bromochloromethane	ND	6.2	"	"	"	"	"	"	M-02, 5035R
Bromodichloromethane	ND	6.2	"	"	"	"	"	"	M-02, 5035R
Bromoform	ND	6.2	"	"	"	"	"	"	M-02, 5035R
Bromomethane	ND	6.2	"	"	"	"	"	"	M-02, 5035R
n-Butylbenzene	ND	6.2	"	"	"	"	"	"	M-02, 5035R
sec-Butylbenzene	ND	6.2	"	"	"	"	"	"	M-02, 5035R
tert-Butylbenzene	ND	6.2	"	"	"	"	"	"	M-02, 5035R
Carbon tetrachloride	ND	6.2	"	"	"	"	"	"	M-02, 5035R
Chlorobenzene	ND	6.2	"	"	"	"	"	"	M-02, 5035R
Chloroethane	ND	6.2	"	"	"	"	"	"	M-02, 5035R
Chloroform	ND	6.2	"	"	"	"	"	"	M-02, 5035R
Chloromethane	ND	6.2	"	"	"	"	"	"	M-02, 5035R
2-Chlorotoluene	ND	6.2	"	"	"	"	"	"	M-02, 5035R
4-Chlorotoluene	ND	6.2	"	"	"	"	"	"	M-02, 5035R
Dibromochloromethane	ND	6.2	"	"	"	"	"	"	M-02, 5035R
1,2-Dibromo-3-chloropropane	ND	12	"	"	"	"	"	"	M-02, 5035R
1,2-Dibromoethane (EDB)	ND	6.2	"	"	"	"	"	"	M-02, 5035R
Dibromomethane	ND	6.2	"	"	"	"	"	"	M-02, 5035R
1,2-Dichlorobenzene	ND	6.2	"	"	"	"	"	"	M-02, 5035R
1,3-Dichlorobenzene	ND	6.2	"	"	"	"	"	"	M-02, 5035R

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

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T183752-15 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	6.2	ug/kg	1	8121925	12/19/18	12/27/18	EPA 8260B/5035	M-02, 5035R
Dichlorodifluoromethane	ND	6.2	"	"	"	"	"	"	M-02, 5035R
1,1-Dichloroethane	ND	6.2	"	"	"	"	"	"	M-02, 5035R
1,2-Dichloroethane	ND	6.2	"	"	"	"	"	"	M-02, 5035R
1,1-Dichloroethene	ND	6.2	"	"	"	"	"	"	M-02, 5035R
cis-1,2-Dichloroethene	ND	6.2	"	"	"	"	"	"	M-02, 5035R
trans-1,2-Dichloroethene	ND	6.2	"	"	"	"	"	"	M-02, 5035R
1,2-Dichloropropane	ND	6.2	"	"	"	"	"	"	M-02, 5035R
1,3-Dichloropropane	ND	6.2	"	"	"	"	"	"	M-02, 5035R
2,2-Dichloropropane	ND	6.2	"	"	"	"	"	"	M-02, 5035R
1,1-Dichloropropene	ND	6.2	"	"	"	"	"	"	M-02, 5035R
cis-1,3-Dichloropropene	ND	6.2	"	"	"	"	"	"	M-02, 5035R
trans-1,3-Dichloropropene	ND	6.2	"	"	"	"	"	"	M-02, 5035R
Hexachlorobutadiene	ND	6.2	"	"	"	"	"	"	M-02, 5035R
Isopropylbenzene	ND	6.2	"	"	"	"	"	"	M-02, 5035R
p-Isopropyltoluene	ND	6.2	"	"	"	"	"	"	M-02, 5035R
Methylene chloride	ND	6.2	"	"	"	"	"	"	M-02, 5035R
Naphthalene	ND	6.2	"	"	"	"	"	"	M-02, 5035R
n-Propylbenzene	ND	6.2	"	"	"	"	"	"	M-02, 5035R
Styrene	ND	6.2	"	"	"	"	"	"	M-02, 5035R
1,1,2,2-Tetrachloroethane	ND	6.2	"	"	"	"	"	"	M-02, 5035R
1,1,1,2-Tetrachloroethane	ND	6.2	"	"	"	"	"	"	5035R, M-02
Tetrachloroethene	ND	6.2	"	"	"	"	"	"	5035R, M-02
1,2,3-Trichlorobenzene	ND	6.2	"	"	"	"	"	"	5035R, M-02
1,2,4-Trichlorobenzene	ND	6.2	"	"	"	"	"	"	5035R, M-02
1,1,2-Trichloroethane	ND	6.2	"	"	"	"	"	"	5035R, M-02
1,1,1-Trichloroethane	ND	6.2	"	"	"	"	"	"	5035R, M-02
Trichloroethene	ND	6.2	"	"	"	"	"	"	5035R, M-02
Trichlorofluoromethane	ND	6.2	"	"	"	"	"	"	5035R, M-02
1,2,3-Trichloropropane	ND	6.2	"	"	"	"	"	"	5035R, M-02
1,3,5-Trimethylbenzene	ND	6.2	"	"	"	"	"	"	5035R, M-02

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

B4@1

T183752-15 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
1,2,4-Trimethylbenzene	ND	6.2	ug/kg	1	8121925	12/19/18	12/27/18	EPA 8260B/5035	5035R, M-02
Vinyl chloride	ND	6.2	"	"	"	"	"	"	5035R, M-02
Benzene	ND	6.2	"	"	"	"	"	"	5035R, M-02
Toluene	ND	6.2	"	"	"	"	"	"	5035R, M-02
Ethylbenzene	ND	6.2	"	"	"	"	"	"	5035R, M-02
m,p-Xylene	ND	12	"	"	"	"	"	"	5035R, M-02
o-Xylene	ND	6.2	"	"	"	"	"	"	5035R, M-02
Surrogate: Toluene-d8		*95.0 %*	*76.1-127*		"	"	"	"	*5035R*
Surrogate: 4-Bromofluorobenzene		*85.7 %*	*85.9-114*		"	"	"	"	*5035R, S-GC*
Surrogate: Dibromofluoromethane		*122 %*	*77.8-142*		"	"	"	"	*5035R*
Semivolatile Organic Compounds by EPA Method 8270C									
Carbazole	ND	300000	ug/kg	1000	8122018	12/20/18	12/26/18	EPA 8270C	R-07
Aniline	ND	300000	"	"	"	"	"	"	R-07
Phenol	ND	1000000	"	"	"	"	"	"	R-07
2-Chlorophenol	ND	1000000	"	"	"	"	"	"	R-07
1,4-Dichlorobenzene	ND	300000	"	"	"	"	"	"	R-07
N-Nitrosodi-n-propylamine	ND	300000	"	"	"	"	"	"	R-07
1,2,4-Trichlorobenzene	ND	300000	"	"	"	"	"	"	R-07
4-Chloro-3-methylphenol	ND	1000000	"	"	"	"	"	"	R-07
2-Methylnaphthalene	ND	300000	"	"	"	"	"	"	R-07
1-Methylnaphthalene	ND	300000	"	"	"	"	"	"	R-07
Acenaphthene	ND	300000	"	"	"	"	"	"	R-07
4-Nitrophenol	ND	1000000	"	"	"	"	"	"	R-07
2,4-Dinitrotoluene	ND	300000	"	"	"	"	"	"	R-07
Pentachlorophenol	ND	1000000	"	"	"	"	"	"	R-07
Pyrene	ND	300000	"	"	"	"	"	"	R-07
Acenaphthylene	ND	300000	"	"	"	"	"	"	R-07
Anthracene	ND	300000	"	"	"	"	"	"	R-07
Benzo (a) anthracene	ND	300000	"	"	"	"	"	"	R-07
Benzo (b) fluoranthene	ND	300000	"	"	"	"	"	"	R-07
Benzo (k) fluoranthene	ND	300000	"	"	"	"	"	"	R-07

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

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T183752-15 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (g,h,i) perylene	ND	1000000	ug/kg	1000	8122018	12/20/18	12/26/18	EPA 8270C	R-07
Benzo (a) pyrene	ND	300000	"	"	"	"	"	"	R-07
Benzyl alcohol	ND	300000	"	"	"	"	"	"	R-07
Bis(2-chloroethoxy)methane	ND	300000	"	"	"	"	"	"	R-07
Bis(2-chloroethyl)ether	ND	300000	"	"	"	"	"	"	R-07
Bis(2-chloroisopropyl)ether	ND	300000	"	"	"	"	"	"	R-07
Bis(2-ethylhexyl)phthalate	ND	300000	"	"	"	"	"	"	R-07
4-Bromophenyl phenyl ether	ND	300000	"	"	"	"	"	"	R-07
Butyl benzyl phthalate	ND	300000	"	"	"	"	"	"	R-07
4-Chloroaniline	ND	300000	"	"	"	"	"	"	R-07
2-Chloronaphthalene	ND	300000	"	"	"	"	"	"	R-07
4-Chlorophenyl phenyl ether	ND	300000	"	"	"	"	"	"	R-07
Chrysene	ND	300000	"	"	"	"	"	"	R-07
Dibenz (a,h) anthracene	ND	300000	"	"	"	"	"	"	R-07
Dibenzofuran	ND	300000	"	"	"	"	"	"	R-07
Di-n-butyl phthalate	ND	300000	"	"	"	"	"	"	R-07
1,2-Dichlorobenzene	ND	300000	"	"	"	"	"	"	R-07
1,3-Dichlorobenzene	ND	300000	"	"	"	"	"	"	R-07
2,4-Dichlorophenol	ND	1000000	"	"	"	"	"	"	R-07
Diethyl phthalate	ND	300000	"	"	"	"	"	"	R-07
2,4-Dimethylphenol	ND	1000000	"	"	"	"	"	"	R-07
Dimethyl phthalate	ND	300000	"	"	"	"	"	"	R-07
4,6-Dinitro-2-methylphenol	ND	1000000	"	"	"	"	"	"	R-07
2,4-Dinitrophenol	ND	1000000	"	"	"	"	"	"	R-07
2,6-Dinitrotoluene	ND	1000000	"	"	"	"	"	"	R-07
Di-n-octyl phthalate	ND	300000	"	"	"	"	"	"	R-07
Fluoranthene	ND	300000	"	"	"	"	"	"	R-07
Fluorene	ND	300000	"	"	"	"	"	"	R-07
Hexachlorobenzene	ND	1500000	"	"	"	"	"	"	R-07
Hexachlorobutadiene	ND	300000	"	"	"	"	"	"	R-07
Hexachlorocyclopentadiene	ND	1000000	"	"	"	"	"	"	R-07
Hexachloroethane	ND	300000	"	"	"	"	"	"	R-07

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24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

B4@1

T183752-15 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Indeno (1,2,3-cd) pyrene	ND	300000	ug/kg	1000	8122018	12/20/18	12/26/18	EPA 8270C	R-07
Isophorone	ND	300000	"	"	"	"	"	"	R-07
2-Methylphenol	ND	1000000	"	"	"	"	"	"	R-07
4-Methylphenol	ND	1000000	"	"	"	"	"	"	R-07
Naphthalene	ND	300000	"	"	"	"	"	"	R-07
2-Nitroaniline	ND	300000	"	"	"	"	"	"	R-07
3-Nitroaniline	ND	300000	"	"	"	"	"	"	R-07
4-Nitroaniline	ND	300000	"	"	"	"	"	"	R-07
Nitrobenzene	ND	1000000	"	"	"	"	"	"	R-07
2-Nitrophenol	ND	1000000	"	"	"	"	"	"	R-07
N-Nitrosodimethylamine	ND	300000	"	"	"	"	"	"	R-07
N-Nitrosodiphenylamine	ND	300000	"	"	"	"	"	"	R-07
2,3,5,6-Tetrachlorophenol	ND	300000	"	"	"	"	"	"	R-07
2,3,4,6-Tetrachlorophenol	ND	300000	"	"	"	"	"	"	R-07
Phenanthrene	ND	300000	"	"	"	"	"	"	R-07
Azobenzene	ND	300000	"	"	"	"	"	"	R-07
2,4,5-Trichlorophenol	ND	1000000	"	"	"	"	"	"	R-07
Pyridine	ND	300000	"	"	"	"	"	"	R-07
2,4,6-Trichlorophenol	ND	1000000	"	"	"	"	"	"	R-07
Surrogate: 2-Fluorophenol		*%*	*15-121*		"	"	"	"	*S-01*
Surrogate: Phenol-d6		*%*	*24-113*		"	"	"	"	*S-01*
Surrogate: Nitrobenzene-d5		*%*	*21.3-119*		"	"	"	"	*S-01*
Surrogate: 2-Fluorobiphenyl		*%*	*32.4-102*		"	"	"	"	*S-01*
Surrogate: 2,4,6-Tribromophenol		*%*	*18.1-105*		"	"	"	"	*S-01*
Surrogate: Terphenyl-dl4		*%*	*29.1-130*		"	"	"	"	*S-01*

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

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T183752-16 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015B									
C4-C12 (GRO)	ND	620	ug/kg	1	8121929	12/19/18	12/21/18	EPA 8015B/5035	
Surrogate: a,a,a-Trifluorotoluene		*61.5 %*	*65-135*		"	"	"	"	*S-04*
Extractable Petroleum Hydrocarbons by 8015B									
C13-C22 (DRO)	ND	10	mg/kg	1	8122017	12/20/18	12/27/18	EPA 8015B	
C23-C32 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*95.6 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	8122127	12/21/18	12/26/18	EPA 6010b	
Silver	ND	2.0	"	"	"	"	12/26/18	"	
Arsenic	ND	5.0	"	"	"	"	12/26/18	"	
Barium	**86**	1.0	"	"	"	"	12/26/18	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	12/26/18	"	
Chromium	**16**	2.0	"	"	"	"	12/26/18	"	
Cobalt	**11**	2.0	"	"	"	"	12/26/18	"	
Copper	**23**	1.0	"	"	"	"	12/26/18	"	
Lead	**6.6**	3.0	"	"	"	"	12/26/18	"	
Molybdenum	**5.6**	5.0	"	"	"	"	"	"	
Nickel	**21**	2.0	"	"	"	"	12/26/18	"	
Selenium	ND	5.0	"	"	"	"	12/26/18	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**35**	5.0	"	"	"	"	12/26/18	"	
Zinc	**63**	1.0	"	"	"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

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T183752-16 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	8122126	12/21/18	12/26/18	EPA 7471A Soil	
Organochlorine Pesticides by EPA Method 8081A									
alpha-BHC	ND	5.0	ug/kg	1	8121933	12/19/18	12/20/18	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4´-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4´-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4´-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*82.2 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*92.9 %*	*35-140*		"	"	"	"	

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T183752-16 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	10	ug/kg	1	8121934	12/19/18	12/26/18	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*62.9 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*69.0 %*	*35-140*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	8.0	ug/kg	1	8121925	12/19/18	12/27/18	EPA 8260B/5035	M-02, 5035R
Bromochloromethane	ND	8.0	"	"	"	"	"	"	M-02, 5035R
Bromodichloromethane	ND	8.0	"	"	"	"	"	"	M-02, 5035R
Bromoform	ND	8.0	"	"	"	"	"	"	M-02, 5035R
Bromomethane	ND	8.0	"	"	"	"	"	"	M-02, 5035R
n-Butylbenzene	ND	8.0	"	"	"	"	"	"	M-02, 5035R
sec-Butylbenzene	ND	8.0	"	"	"	"	"	"	M-02, 5035R
tert-Butylbenzene	ND	8.0	"	"	"	"	"	"	M-02, 5035R
Carbon tetrachloride	ND	8.0	"	"	"	"	"	"	M-02, 5035R
Chlorobenzene	ND	8.0	"	"	"	"	"	"	M-02, 5035R
Chloroethane	ND	8.0	"	"	"	"	"	"	M-02, 5035R
Chloroform	ND	8.0	"	"	"	"	"	"	M-02, 5035R
Chloromethane	ND	8.0	"	"	"	"	"	"	M-02, 5035R
2-Chlorotoluene	ND	8.0	"	"	"	"	"	"	M-02, 5035R
4-Chlorotoluene	ND	8.0	"	"	"	"	"	"	M-02, 5035R
Dibromochloromethane	ND	8.0	"	"	"	"	"	"	M-02, 5035R
1,2-Dibromo-3-chloropropane	ND	16	"	"	"	"	"	"	M-02, 5035R
1,2-Dibromoethane (EDB)	ND	8.0	"	"	"	"	"	"	M-02, 5035R
Dibromomethane	ND	8.0	"	"	"	"	"	"	M-02, 5035R
1,2-Dichlorobenzene	ND	8.0	"	"	"	"	"	"	M-02, 5035R
1,3-Dichlorobenzene	ND	8.0	"	"	"	"	"	"	M-02, 5035R

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T183752-16 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	8.0	ug/kg	1	8121925	12/19/18	12/27/18	EPA 8260B/5035	M-02, 5035R
Dichlorodifluoromethane	ND	8.0	"	"	"	"	"	"	M-02, 5035R
1,1-Dichloroethane	ND	8.0	"	"	"	"	"	"	M-02, 5035R
1,2-Dichloroethane	ND	8.0	"	"	"	"	"	"	M-02, 5035R
1,1-Dichloroethene	ND	8.0	"	"	"	"	"	"	M-02, 5035R
cis-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	M-02, 5035R
trans-1,2-Dichloroethene	ND	8.0	"	"	"	"	"	"	M-02, 5035R
1,2-Dichloropropane	ND	8.0	"	"	"	"	"	"	M-02, 5035R
1,3-Dichloropropane	ND	8.0	"	"	"	"	"	"	M-02, 5035R
2,2-Dichloropropane	ND	8.0	"	"	"	"	"	"	M-02, 5035R
1,1-Dichloropropene	ND	8.0	"	"	"	"	"	"	M-02, 5035R
cis-1,3-Dichloropropene	ND	8.0	"	"	"	"	"	"	M-02, 5035R
trans-1,3-Dichloropropene	ND	8.0	"	"	"	"	"	"	M-02, 5035R
Hexachlorobutadiene	ND	8.0	"	"	"	"	"	"	M-02, 5035R
Isopropylbenzene	ND	8.0	"	"	"	"	"	"	M-02, 5035R
p-Isopropyltoluene	ND	8.0	"	"	"	"	"	"	M-02, 5035R
Methylene chloride	ND	8.0	"	"	"	"	"	"	M-02, 5035R
Naphthalene	ND	8.0	"	"	"	"	"	"	M-02, 5035R
n-Propylbenzene	ND	8.0	"	"	"	"	"	"	M-02, 5035R
Styrene	ND	8.0	"	"	"	"	"	"	M-02, 5035R
1,1,2,2-Tetrachloroethane	ND	8.0	"	"	"	"	"	"	M-02, 5035R
1,1,1,2-Tetrachloroethane	ND	8.0	"	"	"	"	"	"	M-02, 5035R
Tetrachloroethene	ND	8.0	"	"	"	"	"	"	M-02, 5035R
1,2,3-Trichlorobenzene	ND	8.0	"	"	"	"	"	"	M-02, 5035R
1,2,4-Trichlorobenzene	ND	8.0	"	"	"	"	"	"	M-02, 5035R
1,1,2-Trichloroethane	ND	8.0	"	"	"	"	"	"	M-02, 5035R
1,1,1-Trichloroethane	ND	8.0	"	"	"	"	"	"	M-02, 5035R
Trichloroethene	ND	8.0	"	"	"	"	"	"	M-02, 5035R
Trichlorofluoromethane	ND	8.0	"	"	"	"	"	"	M-02, 5035R
1,2,3-Trichloropropane	ND	8.0	"	"	"	"	"	"	M-02, 5035R
1,3,5-Trimethylbenzene	ND	8.0	"	"	"	"	"	"	M-02, 5035R

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

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T183752-16 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
1,2,4-Trimethylbenzene	ND	8.0	ug/kg	1	8121925	12/19/18	12/27/18	EPA 8260B/5035	M-02, 5035R
Vinyl chloride	ND	8.0	"	"	"	"	"	"	M-02, 5035R
Benzene	ND	8.0	"	"	"	"	"	"	M-02, 5035R
Toluene	ND	8.0	"	"	"	"	"	"	M-02, 5035R
Ethylbenzene	ND	8.0	"	"	"	"	"	"	M-02, 5035R
m,p-Xylene	ND	16	"	"	"	"	"	"	M-02, 5035R
o-Xylene	ND	8.0	"	"	"	"	"	"	M-02, 5035R
Surrogate: Toluene-d8		*97.0 %*	*76.1-127*		"	"	"	"	*5035R*
Surrogate: 4-Bromofluorobenzene		*95.1 %*	*85.9-114*		"	"	"	"	*5035R*
Surrogate: Dibromofluoromethane		*109 %*	*77.8-142*		"	"	"	"	*5035R*
Semivolatile Organic Compounds by EPA Method 8270C									
Carbazole	ND	300	ug/kg	1	8122018	12/20/18	12/26/18	EPA 8270C	
Phenol	ND	1000	"	"	"	"	"	"	
Aniline	ND	300	"	"	"	"	"	"	
2-Chlorophenol	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1000	"	"	"	"	"	"	
1-Methylnaphthalene	ND	300	"	"	"	"	"	"	
2-Methylnaphthalene	ND	300	"	"	"	"	"	"	
Acenaphthene	ND	300	"	"	"	"	"	"	
4-Nitrophenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	300	"	"	"	"	"	"	
Pentachlorophenol	ND	1000	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	

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T183752-16 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (g,h,i) perylene	ND	1000	ug/kg	1	8122018	12/20/18	12/26/18	EPA 8270C	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Benzyl alcohol	ND	300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	300	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	300	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	300	"	"	"	"	"	"	
4-Chloroaniline	ND	300	"	"	"	"	"	"	
2-Chloronaphthalene	ND	300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Dibenzofuran	ND	300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1000	"	"	"	"	"	"	
Diethyl phthalate	ND	300	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1000	"	"	"	"	"	"	
Dimethyl phthalate	ND	300	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Hexachlorobenzene	ND	1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND	300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	1000	"	"	"	"	"	"	
Hexachloroethane	ND	300	"	"	"	"	"	"	

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

B4@5

T183752-16 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Indeno (1,2,3-cd) pyrene	ND	300	ug/kg	1	8122018	12/20/18	12/26/18	EPA 8270C	
Isophorone	ND	300	"	"	"	"	"	"	
2-Methylphenol	ND	1000	"	"	"	"	"	"	
4-Methylphenol	ND	1000	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
2-Nitroaniline	ND	300	"	"	"	"	"	"	
3-Nitroaniline	ND	300	"	"	"	"	"	"	
4-Nitroaniline	ND	300	"	"	"	"	"	"	
Nitrobenzene	ND	1000	"	"	"	"	"	"	
2-Nitrophenol	ND	1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
Azobenzene	ND	300	"	"	"	"	"	"	
Pyridine	ND	300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	1000	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*58.0 %*	*15-121*		"	"	"	"	
Surrogate: Phenol-d6		*57.4 %*	*24-113*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*64.3 %*	*21.3-119*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*71.0 %*	*32.4-102*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*84.9 %*	*18.1-105*		"	"	"	"	
Surrogate: Terphenyl-dl4		*86.5 %*	*29.1-130*		"	"	"	"	

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24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

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T183752-17 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015B									
C4-C12 (GRO)	ND	490	ug/kg	1	8121929	12/19/18	12/21/18	EPA 8015B/5035	
Surrogate: a,a,a-Trifluorotoluene		*61.7 %*	*65-135*		"	"	"	"	*S-04*
Extractable Petroleum Hydrocarbons by 8015B									
C13-C22 (DRO)	ND	10	mg/kg	1	8122017	12/20/18	12/27/18	EPA 8015B	
C23-C32 (MORO)	**110**	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*89.9 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	8122127	12/21/18	12/26/18	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	**5.5**	5.0	"	"	"	"	"	"	
Barium	**69**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	12/26/18	"	
Cadmium	ND	2.0	"	"	"	"	12/26/18	"	
Chromium	**16**	2.0	"	"	"	"	"	"	
Cobalt	**11**	2.0	"	"	"	"	"	"	
Copper	**28**	1.0	"	"	"	"	"	"	
Lead	**8.1**	3.0	"	"	"	"	"	"	
Molybdenum	**7.3**	5.0	"	"	"	"	"	"	
Nickel	**25**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**36**	5.0	"	"	"	"	"	"	
Zinc	**71**	1.0	"	"	"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

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T183752-17 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	8122126	12/21/18	12/26/18	EPA 7471A Soil	
Organochlorine Pesticides by EPA Method 8081A									
alpha-BHC	ND	100	ug/kg	20	8121933	12/19/18	12/20/18	EPA 8081A	R-07
gamma-BHC (Lindane)	ND	100	"	"	"	"	"	"	R-07
beta-BHC	ND	100	"	"	"	"	"	"	R-07
delta-BHC	ND	100	"	"	"	"	"	"	R-07
Heptachlor	ND	100	"	"	"	"	"	"	R-07
Aldrin	ND	100	"	"	"	"	"	"	R-07
Heptachlor epoxide	ND	100	"	"	"	"	"	"	R-07
gamma-Chlordane	ND	100	"	"	"	"	"	"	R-07
alpha-Chlordane	ND	100	"	"	"	"	"	"	R-07
Endosulfan I	ND	100	"	"	"	"	"	"	R-07
4,4´-DDE	ND	100	"	"	"	"	"	"	R-07
Dieldrin	ND	100	"	"	"	"	"	"	R-07
Endrin	ND	100	"	"	"	"	"	"	R-07
4,4´-DDD	ND	100	"	"	"	"	"	"	R-07
Endosulfan II	ND	100	"	"	"	"	"	"	R-07
4,4´-DDT	ND	100	"	"	"	"	"	"	R-07
Endrin aldehyde	ND	100	"	"	"	"	"	"	R-07
Endosulfan sulfate	ND	100	"	"	"	"	"	"	R-07
Methoxychlor	ND	100	"	"	"	"	"	"	R-07
Endrin ketone	ND	100	"	"	"	"	"	"	R-07
Toxaphene	ND	400	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		*86.2 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*103 %*	*35-140*		"	"	"	"	

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T183752-17 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	10	ug/kg	1	8121934	12/19/18	12/26/18	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*71.5 %*		*35-140*	"	"	"	"	
Surrogate: Decachlorobiphenyl		*71.2 %*		*35-140*	"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.5	ug/kg	1	8121925	12/19/18	12/27/18	EPA 8260B/5035	5035R
Bromochloromethane	ND	5.5	"	"	"	"	"	"	5035R
Bromodichloromethane	ND	5.5	"	"	"	"	"	"	5035R
Bromoform	ND	5.5	"	"	"	"	"	"	5035R
Bromomethane	ND	5.5	"	"	"	"	"	"	5035R
n-Butylbenzene	ND	5.5	"	"	"	"	"	"	5035R
sec-Butylbenzene	ND	5.5	"	"	"	"	"	"	5035R
tert-Butylbenzene	ND	5.5	"	"	"	"	"	"	5035R
Carbon tetrachloride	ND	5.5	"	"	"	"	"	"	5035R
Chlorobenzene	ND	5.5	"	"	"	"	"	"	5035R
Chloroethane	ND	5.5	"	"	"	"	"	"	5035R
Chloroform	ND	5.5	"	"	"	"	"	"	5035R
Chloromethane	ND	5.5	"	"	"	"	"	"	5035R
2-Chlorotoluene	ND	5.5	"	"	"	"	"	"	5035R
4-Chlorotoluene	ND	5.5	"	"	"	"	"	"	5035R
Dibromochloromethane	ND	5.5	"	"	"	"	"	"	5035R
1,2-Dibromo-3-chloropropane	ND	11	"	"	"	"	"	"	5035R
1,2-Dibromoethane (EDB)	ND	5.5	"	"	"	"	"	"	5035R
Dibromomethane	ND	5.5	"	"	"	"	"	"	5035R
1,2-Dichlorobenzene	ND	5.5	"	"	"	"	"	"	5035R
1,3-Dichlorobenzene	ND	5.5	"	"	"	"	"	"	5035R

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T183752-17 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	5.5	ug/kg	1	8121925	12/19/18	12/27/18	EPA 8260B/5035	5035R
Dichlorodifluoromethane	ND	5.5	"	"	"	"	"	"	5035R
1,1-Dichloroethane	ND	5.5	"	"	"	"	"	"	5035R
1,2-Dichloroethane	ND	5.5	"	"	"	"	"	"	5035R
1,1-Dichloroethene	ND	5.5	"	"	"	"	"	"	5035R
cis-1,2-Dichloroethene	ND	5.5	"	"	"	"	"	"	5035R
trans-1,2-Dichloroethene	ND	5.5	"	"	"	"	"	"	5035R
1,2-Dichloropropane	ND	5.5	"	"	"	"	"	"	5035R
1,3-Dichloropropane	ND	5.5	"	"	"	"	"	"	5035R
2,2-Dichloropropane	ND	5.5	"	"	"	"	"	"	5035R
1,1-Dichloropropene	ND	5.5	"	"	"	"	"	"	5035R
cis-1,3-Dichloropropene	ND	5.5	"	"	"	"	"	"	5035R
trans-1,3-Dichloropropene	ND	5.5	"	"	"	"	"	"	5035R
Hexachlorobutadiene	ND	5.5	"	"	"	"	"	"	5035R
Isopropylbenzene	ND	5.5	"	"	"	"	"	"	5035R
p-Isopropyltoluene	ND	5.5	"	"	"	"	"	"	5035R
Methylene chloride	ND	5.5	"	"	"	"	"	"	5035R
Naphthalene	ND	5.5	"	"	"	"	"	"	5035R
n-Propylbenzene	ND	5.5	"	"	"	"	"	"	5035R
Styrene	ND	5.5	"	"	"	"	"	"	5035R
1,1,2,2-Tetrachloroethane	ND	5.5	"	"	"	"	"	"	5035R
1,1,1,2-Tetrachloroethane	ND	5.5	"	"	"	"	"	"	5035R
Tetrachloroethene	ND	5.5	"	"	"	"	"	"	5035R
1,2,3-Trichlorobenzene	ND	5.5	"	"	"	"	"	"	5035R
1,2,4-Trichlorobenzene	ND	5.5	"	"	"	"	"	"	5035R
1,1,2-Trichloroethane	ND	5.5	"	"	"	"	"	"	5035R
1,1,1-Trichloroethane	ND	5.5	"	"	"	"	"	"	5035R
Trichloroethene	ND	5.5	"	"	"	"	"	"	5035R
Trichlorofluoromethane	ND	5.5	"	"	"	"	"	"	5035R
1,2,3-Trichloropropane	ND	5.5	"	"	"	"	"	"	5035R
1,3,5-Trimethylbenzene	ND	5.5	"	"	"	"	"	"	5035R

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T183752-17 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
1,2,4-Trimethylbenzene	**6.2**	5.5	ug/kg	1	8121925	12/19/18	12/27/18	EPA 8260B/5035	5035R
Vinyl chloride	ND	5.5	"	"	"	"	"	"	5035R
Benzene	ND	5.5	"	"	"	"	"	"	5035R
Toluene	ND	5.5	"	"	"	"	"	"	5035R
Ethylbenzene	**5.7**	5.5	"	"	"	"	"	"	5035R
m,p-Xylene	ND	11	"	"	"	"	"	"	5035R
o-Xylene	ND	5.5	"	"	"	"	"	"	5035R
Surrogate: Toluene-d8		*93.3 %*	*76.1-127*		"	"	"	"	*5035R*
Surrogate: 4-Bromofluorobenzene		*100 %*	*85.9-114*		"	"	"	"	*5035R*
Surrogate: Dibromofluoromethane		*111 %*	*77.8-142*		"	"	"	"	*5035R*
Semivolatile Organic Compounds by EPA Method 8270C									
Carbazole	ND	30000	ug/kg	100	8122018	12/20/18	12/27/18	EPA 8270C	R-07
Aniline	ND	30000	"	"	"	"	"	"	R-07
Phenol	ND	100000	"	"	"	"	"	"	R-07
2-Chlorophenol	ND	100000	"	"	"	"	"	"	R-07
1,4-Dichlorobenzene	ND	30000	"	"	"	"	"	"	R-07
N-Nitrosodi-n-propylamine	ND	30000	"	"	"	"	"	"	R-07
1,2,4-Trichlorobenzene	ND	30000	"	"	"	"	"	"	R-07
4-Chloro-3-methylphenol	ND	100000	"	"	"	"	"	"	R-07
2-Methylnaphthalene	ND	30000	"	"	"	"	"	"	R-07
1-Methylnaphthalene	ND	30000	"	"	"	"	"	"	R-07
Acenaphthene	ND	30000	"	"	"	"	"	"	R-07
4-Nitrophenol	ND	100000	"	"	"	"	"	"	R-07
2,4-Dinitrotoluene	ND	30000	"	"	"	"	"	"	R-07
Pentachlorophenol	ND	100000	"	"	"	"	"	"	R-07
Pyrene	ND	30000	"	"	"	"	"	"	R-07
Acenaphthylene	ND	30000	"	"	"	"	"	"	R-07
Anthracene	ND	30000	"	"	"	"	"	"	R-07
Benzo (a) anthracene	ND	30000	"	"	"	"	"	"	R-07
Benzo (b) fluoranthene	ND	30000	"	"	"	"	"	"	R-07
Benzo (k) fluoranthene	ND	30000	"	"	"	"	"	"	R-07

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T183752-17 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (g,h,i) perylene	ND	100000	ug/kg	100	8122018	12/20/18	12/27/18	EPA 8270C	R-07
Benzo (a) pyrene	ND	30000	"	"	"	"	"	"	R-07
Benzyl alcohol	ND	30000	"	"	"	"	"	"	R-07
Bis(2-chloroethoxy)methane	ND	30000	"	"	"	"	"	"	R-07
Bis(2-chloroethyl)ether	ND	30000	"	"	"	"	"	"	R-07
Bis(2-chloroisopropyl)ether	ND	30000	"	"	"	"	"	"	R-07
Bis(2-ethylhexyl)phthalate	ND	30000	"	"	"	"	"	"	R-07
4-Bromophenyl phenyl ether	ND	30000	"	"	"	"	"	"	R-07
Butyl benzyl phthalate	ND	30000	"	"	"	"	"	"	R-07
4-Chloroaniline	ND	30000	"	"	"	"	"	"	R-07
2-Chloronaphthalene	ND	30000	"	"	"	"	"	"	R-07
4-Chlorophenyl phenyl ether	ND	30000	"	"	"	"	"	"	R-07
Chrysene	ND	30000	"	"	"	"	"	"	R-07
Dibenz (a,h) anthracene	ND	30000	"	"	"	"	"	"	R-07
Dibenzofuran	ND	30000	"	"	"	"	"	"	R-07
Di-n-butyl phthalate	ND	30000	"	"	"	"	"	"	R-07
1,2-Dichlorobenzene	ND	30000	"	"	"	"	"	"	R-07
1,3-Dichlorobenzene	ND	30000	"	"	"	"	"	"	R-07
2,4-Dichlorophenol	ND	100000	"	"	"	"	"	"	R-07
Diethyl phthalate	ND	30000	"	"	"	"	"	"	R-07
2,4-Dimethylphenol	ND	100000	"	"	"	"	"	"	R-07
Dimethyl phthalate	ND	30000	"	"	"	"	"	"	R-07
4,6-Dinitro-2-methylphenol	ND	100000	"	"	"	"	"	"	R-07
2,4-Dinitrophenol	ND	100000	"	"	"	"	"	"	R-07
2,6-Dinitrotoluene	ND	100000	"	"	"	"	"	"	R-07
Di-n-octyl phthalate	ND	30000	"	"	"	"	"	"	R-07
Fluoranthene	ND	30000	"	"	"	"	"	"	R-07
Fluorene	ND	30000	"	"	"	"	"	"	R-07
Hexachlorobenzene	ND	150000	"	"	"	"	"	"	R-07
Hexachlorobutadiene	ND	30000	"	"	"	"	"	"	R-07
Hexachlorocyclopentadiene	ND	100000	"	"	"	"	"	"	R-07
Hexachloroethane	ND	30000	"	"	"	"	"	"	R-07

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

B4@10

T183752-17 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Indeno (1,2,3-cd) pyrene	ND	30000	ug/kg	100	8122018	12/20/18	12/27/18	EPA 8270C	R-07
Isophorone	ND	30000	"	"	"	"	"	"	R-07
2-Methylphenol	ND	100000	"	"	"	"	"	"	R-07
4-Methylphenol	ND	100000	"	"	"	"	"	"	R-07
Naphthalene	ND	30000	"	"	"	"	"	"	R-07
2-Nitroaniline	ND	30000	"	"	"	"	"	"	R-07
3-Nitroaniline	ND	30000	"	"	"	"	"	"	R-07
4-Nitroaniline	ND	30000	"	"	"	"	"	"	R-07
Nitrobenzene	ND	100000	"	"	"	"	"	"	R-07
2-Nitrophenol	ND	100000	"	"	"	"	"	"	R-07
N-Nitrosodimethylamine	ND	30000	"	"	"	"	"	"	R-07
N-Nitrosodiphenylamine	ND	30000	"	"	"	"	"	"	R-07
2,3,5,6-Tetrachlorophenol	ND	30000	"	"	"	"	"	"	R-07
2,3,4,6-Tetrachlorophenol	ND	30000	"	"	"	"	"	"	R-07
Phenanthrene	ND	30000	"	"	"	"	"	"	R-07
Azobenzene	ND	30000	"	"	"	"	"	"	R-07
2,4,5-Trichlorophenol	ND	100000	"	"	"	"	"	"	R-07
Pyridine	ND	30000	"	"	"	"	"	"	R-07
2,4,6-Trichlorophenol	ND	100000	"	"	"	"	"	"	R-07
Surrogate: 2-Fluorophenol		*48.0 %*	*15-121*		"	"	"	"	
Surrogate: Phenol-d6		*37.0 %*	*24-113*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*61.0 %*	*21.3-119*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*58.0 %*	*32.4-102*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*27.0 %*	*18.1-105*		"	"	"	"	
Surrogate: Terphenyl-dl4		*93.0 %*	*29.1-130*		"	"	"	"	

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Joann Marroquin

Joann Marroquin, Client Services Manager

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

B4@15

T183752-18 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015B									
C4-C12 (GRO)	ND	540	ug/kg	1	8121929	12/19/18	12/21/18	EPA 8015B/5035	
Surrogate: a,a,a-Trifluorotoluene		*60.8 %*	*65-135*		"	"	"	"	*S-04*
Extractable Petroleum Hydrocarbons by 8015B									
C13-C22 (DRO)	ND	10	mg/kg	1	8122017	12/20/18	12/27/18	EPA 8015B	
C23-C32 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*90.9 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	8122127	12/21/18	12/26/18	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	**5.9**	5.0	"	"	"	"	"	"	
Barium	**110**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	**16**	2.0	"	"	"	"	"	"	
Cobalt	**9.1**	2.0	"	"	"	"	"	"	
Copper	**29**	1.0	"	"	"	"	"	"	
Lead	**6.9**	3.0	"	"	"	"	"	"	
Molybdenum	**8.7**	5.0	"	"	"	"	"	"	
Nickel	**20**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**40**	5.0	"	"	"	"	"	"	
Zinc	**74**	1.0	"	"	"	"	"	"	

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T183752-18 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	8122126	12/21/18	12/26/18	EPA 7471A Soil	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.2	ug/kg	1	8121925	12/19/18	12/27/18	EPA 8260B/5035	5035R
Bromochloromethane	ND	5.2	"	"	"	"	"	"	5035R
Bromodichloromethane	ND	5.2	"	"	"	"	"	"	5035R
Bromoform	ND	5.2	"	"	"	"	"	"	5035R
Bromomethane	ND	5.2	"	"	"	"	"	"	5035R
n-Butylbenzene	ND	5.2	"	"	"	"	"	"	5035R
sec-Butylbenzene	ND	5.2	"	"	"	"	"	"	5035R
tert-Butylbenzene	ND	5.2	"	"	"	"	"	"	5035R
Carbon tetrachloride	ND	5.2	"	"	"	"	"	"	5035R
Chlorobenzene	ND	5.2	"	"	"	"	"	"	5035R
Chloroethane	ND	5.2	"	"	"	"	"	"	5035R
Chloroform	ND	5.2	"	"	"	"	"	"	5035R
Chloromethane	ND	5.2	"	"	"	"	"	"	5035R
2-Chlorotoluene	ND	5.2	"	"	"	"	"	"	5035R
4-Chlorotoluene	ND	5.2	"	"	"	"	"	"	5035R
Dibromochloromethane	ND	5.2	"	"	"	"	"	"	5035R
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	5035R
1,2-Dibromoethane (EDB)	ND	5.2	"	"	"	"	"	"	5035R
Dibromomethane	ND	5.2	"	"	"	"	"	"	5035R
1,2-Dichlorobenzene	ND	5.2	"	"	"	"	"	"	5035R
1,3-Dichlorobenzene	ND	5.2	"	"	"	"	"	"	5035R
1,4-Dichlorobenzene	ND	5.2	"	"	"	"	"	"	5035R
Dichlorodifluoromethane	ND	5.2	"	"	"	"	"	"	5035R
1,1-Dichloroethane	ND	5.2	"	"	"	"	"	"	5035R
1,2-Dichloroethane	ND	5.2	"	"	"	"	"	"	5035R
1,1-Dichloroethene	ND	5.2	"	"	"	"	"	"	5035R
cis-1,2-Dichloroethene	ND	5.2	"	"	"	"	"	"	5035R
trans-1,2-Dichloroethene	ND	5.2	"	"	"	"	"	"	5035R

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T183752-18 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	5.2	ug/kg	1	8121925	12/19/18	12/27/18	EPA 8260B/5035	5035R
1,3-Dichloropropane	ND	5.2	"	"	"	"	"	"	5035R
2,2-Dichloropropane	ND	5.2	"	"	"	"	"	"	5035R
1,1-Dichloropropene	ND	5.2	"	"	"	"	"	"	5035R
cis-1,3-Dichloropropene	ND	5.2	"	"	"	"	"	"	5035R
trans-1,3-Dichloropropene	ND	5.2	"	"	"	"	"	"	5035R
Hexachlorobutadiene	ND	5.2	"	"	"	"	"	"	5035R
Isopropylbenzene	ND	5.2	"	"	"	"	"	"	5035R
p-Isopropyltoluene	ND	5.2	"	"	"	"	"	"	5035R
Methylene chloride	ND	5.2	"	"	"	"	"	"	5035R
Naphthalene	ND	5.2	"	"	"	"	"	"	5035R
n-Propylbenzene	ND	5.2	"	"	"	"	"	"	5035R
Styrene	ND	5.2	"	"	"	"	"	"	5035R
1,1,2,2-Tetrachloroethane	ND	5.2	"	"	"	"	"	"	5035R
1,1,1,2-Tetrachloroethane	ND	5.2	"	"	"	"	"	"	5035R
Tetrachloroethene	ND	5.2	"	"	"	"	"	"	5035R
1,2,3-Trichlorobenzene	ND	5.2	"	"	"	"	"	"	5035R
1,2,4-Trichlorobenzene	ND	5.2	"	"	"	"	"	"	5035R
1,1,2-Trichloroethane	ND	5.2	"	"	"	"	"	"	5035R
1,1,1-Trichloroethane	ND	5.2	"	"	"	"	"	"	5035R
Trichloroethene	ND	5.2	"	"	"	"	"	"	5035R
Trichlorofluoromethane	ND	5.2	"	"	"	"	"	"	5035R
1,2,3-Trichloropropane	ND	5.2	"	"	"	"	"	"	5035R
1,3,5-Trimethylbenzene	ND	5.2	"	"	"	"	"	"	5035R
1,2,4-Trimethylbenzene	ND	5.2	"	"	"	"	"	"	5035R
Vinyl chloride	ND	5.2	"	"	"	"	"	"	5035R
Benzene	ND	5.2	"	"	"	"	"	"	5035R
Toluene	ND	5.2	"	"	"	"	"	"	5035R
Ethylbenzene	ND	5.2	"	"	"	"	"	"	5035R
m,p-Xylene	ND	10	"	"	"	"	"	"	5035R
o-Xylene	ND	5.2	"	"	"	"	"	"	5035R

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T183752-18 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
Surrogate: Toluene-d8		*95.2 %*		*76.1-127*	*8121925*	*12/19/18*	*12/27/18*	*EPA 8260B/5035*	*5035R*
Surrogate: 4-Bromofluorobenzene		*96.2 %*		*85.9-114*	*"*	*"*	*"*	*"*	*5035R*
Surrogate: Dibromofluoromethane		*109 %*		*77.8-142*	*"*	*"*	*"*	*"*	*5035R*
Semivolatile Organic Compounds by EPA Method 8270C									
Carbazole	ND	300	ug/kg	1	8122018	12/20/18	12/27/18	EPA 8270C	
Phenol	ND	1000	"	"	"	"	"	"	
Aniline	ND	300	"	"	"	"	"	"	
2-Chlorophenol	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1000	"	"	"	"	"	"	
1-Methylnaphthalene	ND	300	"	"	"	"	"	"	
2-Methylnaphthalene	ND	300	"	"	"	"	"	"	
Acenaphthene	ND	300	"	"	"	"	"	"	
4-Nitrophenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	300	"	"	"	"	"	"	
Pentachlorophenol	ND	1000	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Benzyl alcohol	ND	300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	300	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	300	"	"	"	"	"	"	

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T183752-18 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4-Bromophenyl phenyl ether	ND	300	ug/kg	1	8122018	12/20/18	12/27/18	EPA 8270C	
Butyl benzyl phthalate	ND	300	"	"	"	"	"	"	
4-Chloroaniline	ND	300	"	"	"	"	"	"	
2-Chloronaphthalene	ND	300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Dibenzofuran	ND	300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1000	"	"	"	"	"	"	
Diethyl phthalate	ND	300	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1000	"	"	"	"	"	"	
Dimethyl phthalate	ND	300	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Hexachlorobenzene	ND	1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND	300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	1000	"	"	"	"	"	"	
Hexachloroethane	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"	
Isophorone	ND	300	"	"	"	"	"	"	
2-Methylphenol	ND	1000	"	"	"	"	"	"	
4-Methylphenol	ND	1000	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
2-Nitroaniline	ND	300	"	"	"	"	"	"	
3-Nitroaniline	ND	300	"	"	"	"	"	"	

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T183752-18 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4-Nitroaniline	ND	300	ug/kg	1	8122018	12/20/18	12/27/18	EPA 8270C	
Nitrobenzene	ND	1000	"	"	"	"	"	"	
2-Nitrophenol	ND	1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
Azobenzene	ND	300	"	"	"	"	"	"	
Pyridine	ND	300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	1000	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*62.4 %*	*15-121*		"	"	"	"	
Surrogate: Phenol-d6		*60.0 %*	*24-113*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*66.3 %*	*21.3-119*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*70.2 %*	*32.4-102*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*85.3 %*	*18.1-105*		"	"	"	"	
Surrogate: Terphenyl-dl4		*86.1 %*	*29.1-130*		"	"	"	"	

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Purgeable Petroleum Hydrocarbons by EPA 8015B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8121929 - EPA 5035 GC										
Blank (8121929-BLK1)				Prepared & Analyzed: 12/19/18						
C6-C12 (GRO)	ND	480	ug/kg							
Surrogate: a,a,a-Trifluorotoluene	*85.0*		"	*100*		*85.0*	*65-135*			
LCS (8121929-BS1)				Prepared & Analyzed: 12/19/18						
C4-C12 (GRO)	9070		ug/kg	10200		88.6	75-125			
Surrogate: a,a,a-Trifluorotoluene	*94.4*		"	*100*		*94.4*	*65-135*			
LCS Dup (8121929-BSD1)				Prepared & Analyzed: 12/19/18						
C4-C12 (GRO)	9650		ug/kg	10800		89.3	75-125	6.21	20	
Surrogate: a,a,a-Trifluorotoluene	*85.6*		"	*100*		*85.6*	*65-135*			

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

Extractable Petroleum Hydrocarbons by 8015B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8122017 - EPA 3550B GC										
Blank (8122017-BLK1)				Prepared: 12/20/18 Analyzed: 12/27/18						
C13-C22 (DRO)	ND	10	mg/kg							
C23-C32 (MORO)	ND	10	"							
Surrogate: p-Terphenyl	*91.8*		"	*100*		*91.8*	*65-135*			
LCS (8122017-BS1)				Prepared: 12/20/18 Analyzed: 12/26/18						
C13-C22 (DRO)	470	10	mg/kg	500		93.5	75-125			
Surrogate: p-Terphenyl	*91.7*		"	*100*		*91.7*	*65-135*			
Matrix Spike (8122017-MS1)	**Source: T183752-01**			Prepared: 12/20/18 Analyzed: 12/26/18						
C13-C22 (DRO)	460	10	mg/kg	495	5.3	92.8	75-125			
Surrogate: p-Terphenyl	*89.1*		"	*99.0*		*90.0*	*65-135*			
Matrix Spike Dup (8122017-MSD1)	**Source: T183752-01**			Prepared: 12/20/18 Analyzed: 12/26/18						
C13-C22 (DRO)	460	10	mg/kg	500	5.3	91.6	75-125	0.295	20	
Surrogate: p-Terphenyl	*91.8*		"	*100*		*91.8*	*65-135*			

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

Metals by EPA 6010B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8122127 - EPA 3050B										
Blank (8122127-BLK1)				Prepared: 12/21/18 Analyzed: 12/26/18						
Antimony	ND	3.0	mg/kg							
Silver	ND	2.0	"							
Arsenic	ND	5.0	"							
Barium	ND	1.0	"							
Beryllium	ND	1.0	"							
Cadmium	ND	2.0	"							
Chromium	ND	2.0	"							
Cobalt	ND	2.0	"							
Copper	ND	1.0	"							
Lead	ND	3.0	"							
Molybdenum	ND	5.0	"							
Nickel	ND	2.0	"							
Selenium	ND	5.0	"							
Thallium	ND	2.0	"							
Vanadium	ND	5.0	"							
Zinc	ND	1.0	"							
LCS (8122127-BS1)				Prepared: 12/21/18 Analyzed: 12/26/18						
Arsenic	92.5	5.0	mg/kg	100		92.5	75-125			
Barium	94.5	1.0	"	100		94.5	75-125			
Cadmium	92.6	2.0	"	100		92.6	75-125			
Chromium	95.1	2.0	"	100		95.1	75-125			
Lead	91.0	3.0	"	100		91.0	75-125			
Matrix Spike (8122127-MS1)	**Source: T183566-23**			Prepared: 12/21/18 Analyzed: 12/26/18						
Arsenic	103	5.0	mg/kg	100	3.07	99.8	75-125			
Barium	276	1.0	"	100	156	121	75-125			
Cadmium	98.5	2.0	"	100	1.44	97.0	75-125			
Chromium	140	2.0	"	100	35.7	105	75-125			
Lead	210	3.0	"	100	121	89.1	75-125			

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Metals by EPA 6010B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8122127 - EPA 3050B										
Matrix Spike Dup (8122127-MSD1)	**Source: T183566-23**			Prepared: 12/21/18 Analyzed: 12/26/18						
Arsenic	97.2	5.0	mg/kg	100	3.07	94.1	75-125	5.71	20	
Barium	261	1.0	"	100	156	106	75-125	5.54	20	
Cadmium	96.3	2.0	"	100	1.44	94.8	75-125	2.24	20	
Chromium	136	2.0	"	100	35.7	100	75-125	3.24	20	
Lead	216	3.0	"	100	121	94.5	75-125	2.56	20	

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Cold Vapor Extraction EPA 7470/7471 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8122126 - EPA 7471A Soil										
Blank (8122126-BLK1)				Prepared: 12/21/18 Analyzed: 12/26/18						
Mercury	ND	0.10	mg/kg							
LCS (8122126-BS1)				Prepared: 12/21/18 Analyzed: 12/26/18						
Mercury	0.350	0.10	mg/kg	0.410		85.4	80-120			
Matrix Spike (8122126-MS1)	**Source: T183752-01**			Prepared: 12/21/18 Analyzed: 12/26/18						
Mercury	0.413	0.10	mg/kg	0.410	0.137	67.4	75-125			QM-05
Matrix Spike Dup (8122126-MSD1)	**Source: T183752-01**			Prepared: 12/21/18 Analyzed: 12/26/18						
Mercury	0.401	0.10	mg/kg	0.417	0.137	63.5	75-125	2.88	20	QM-05

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

Organochlorine Pesticides by EPA Method 8081A - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8121933 - EPA 3550 ECD/GCMS										
Blank (8121933-BLK1)				Prepared: 12/19/18 Analyzed: 12/20/18						
alpha-BHC	ND	5.0	ug/kg							
gamma-BHC (Lindane)	ND	5.0	"							
beta-BHC	ND	5.0	"							
delta-BHC	ND	5.0	"							
Heptachlor	ND	5.0	"							
Aldrin	ND	5.0	"							
Heptachlor epoxide	ND	5.0	"							
gamma-Chlordane	ND	5.0	"							
alpha-Chlordane	ND	5.0	"							
Endosulfan I	ND	5.0	"							
4,4´-DDE	ND	5.0	"							
Dieldrin	ND	5.0	"							
Endrin	ND	5.0	"							
4,4´-DDD	ND	5.0	"							
Endosulfan II	ND	5.0	"							
4,4´-DDT	ND	5.0	"							
Endrin aldehyde	ND	5.0	"							
Endosulfan sulfate	ND	5.0	"							
Methoxychlor	ND	5.0	"							
Endrin ketone	ND	5.0	"							
Toxaphene	ND	20	"							
Surrogate: Tetrachloro-meta-xylene	*8.09*		"	*10.0*		*80.9*	*35-140*			
Surrogate: Decachlorobiphenyl	*9.41*		"	*10.0*		*94.1*	*35-140*			
LCS (8121933-BS1)				Prepared: 12/19/18 Analyzed: 12/20/18						
gamma-BHC (Lindane)	32.3	5.0	ug/kg	40.0		80.8	40-120			
Heptachlor	32.9	5.0	"	40.0		82.2	40-120			
Aldrin	31.9	5.0	"	40.0		79.6	40-120			
Dieldrin	33.2	5.0	"	40.0		83.0	40-120			
Endrin	35.1	5.0	"	40.0		87.8	40-120			
4,4´-DDT	35.6	5.0	"	40.0		89.1	33-147			
Surrogate: Tetrachloro-meta-xylene	*8.29*		"	*10.0*		*82.9*	*35-140*			
Surrogate: Decachlorobiphenyl	*10.1*		"	*10.0*		*101*	*35-140*			

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

Organochlorine Pesticides by EPA Method 8081A - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8121933 - EPA 3550 ECD/GCMS										
Matrix Spike (8121933-MS1)	**Source: T183752-01**			Prepared: 12/19/18 Analyzed: 12/20/18						
gamma-BHC (Lindane)	ND	250	ug/kg	39.2	ND		30-120			QM-01, R-07
Heptachlor	ND	250	"	39.2	ND		30-120			QM-01, R-07
Aldrin	ND	250	"	39.2	ND		30-120			QM-01, R-07
Dieldrin	ND	250	"	39.2	ND		30-120			QM-01, R-07
Endrin	ND	250	"	39.2	ND		30-120			QM-01, R-07
4,4´-DDT	44.9	250	"	39.2	ND	115	30-120			QM-01
Surrogate: Tetrachloro-meta-xylene	*8.87*		"	*9.80*		*90.5*	*35-140*			
Surrogate: Decachlorobiphenyl	*8.88*		"	*9.80*		*90.6*	*35-140*			
Matrix Spike Dup (8121933-MSD1)	**Source: T183752-01**			Prepared: 12/19/18 Analyzed: 12/20/18						
gamma-BHC (Lindane)	ND	250	ug/kg	40.0	ND		30-120		30	QM-01, R-07
Heptachlor	ND	250	"	40.0	ND		30-120		30	QM-01, R-07
Aldrin	ND	250	"	40.0	ND		30-120		30	QM-01, R-07
Dieldrin	ND	250	"	40.0	ND		30-120		30	QM-01, R-07
Endrin	ND	250	"	40.0	ND		30-120		30	QM-01, R-07
4,4´-DDT	40.4	250	"	40.0	ND	101	30-120	12.5	30	QM-01
Surrogate: Tetrachloro-meta-xylene	*9.06*		"	*10.0*		*90.6*	*35-140*			
Surrogate: Decachlorobiphenyl	*10.0*		"	*10.0*		*100*	*35-140*			

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24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8121934 - EPA 3550 ECD/GCMS										
Blank (8121934-BLK1)				Prepared: 12/19/18 Analyzed: 12/26/18						
PCB-1016	ND	10	ug/kg							
PCB-1221	ND	10	"							
PCB-1232	ND	10	"							
PCB-1242	ND	10	"							
PCB-1248	ND	10	"							
PCB-1254	ND	10	"							
PCB-1260	ND	10	"							
Surrogate: Tetrachloro-meta-xylene	*7.23*		"	*9.90*		*73.1*	*35-140*			
Surrogate: Decachlorobiphenyl	*7.21*		"	*9.90*		*72.8*	*35-140*			
LCS (8121934-BS1)				Prepared: 12/19/18 Analyzed: 12/26/18						
PCB-1016	54.4	10	ug/kg	99.0		54.9	40-130			
PCB-1260	62.7	10	"	99.0		63.3	40-130			
Surrogate: Tetrachloro-meta-xylene	*6.42*		"	*9.90*		*64.8*	*35-140*			
Surrogate: Decachlorobiphenyl	*7.31*		"	*9.90*		*73.9*	*35-140*			
Matrix Spike (8121934-MS1)	**Source: T183752-01**			Prepared: 12/19/18 Analyzed: 12/26/18						
PCB-1016	55.3	10	ug/kg	98.0	ND	56.4	40-130			
PCB-1260	130	10	"	98.0	ND	132	40-130			QM-02
Surrogate: Tetrachloro-meta-xylene	*6.80*		"	*9.80*		*69.4*	*35-140*			
Surrogate: Decachlorobiphenyl	*7.66*		"	*9.80*		*78.2*	*35-140*			
Matrix Spike Dup (8121934-MSD1)	**Source: T183752-01**			Prepared: 12/19/18 Analyzed: 12/26/18						
PCB-1016	62.1	10	ug/kg	98.0	ND	63.3	40-130	11.5	30	
PCB-1260	138	10	"	98.0	ND	140	40-130	6.09	30	QM-02
Surrogate: Tetrachloro-meta-xylene	*7.88*		"	*9.80*		*80.4*	*35-140*			
Surrogate: Decachlorobiphenyl	*7.69*		"	*9.80*		*78.5*	*35-140*			

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24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8121925 - EPA 5035 GCMS										
Blank (8121925-BLK1)				Prepared: 12/19/18 Analyzed: 12/22/18						
Bromobenzene	ND	5.0	ug/kg							
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	10	"							
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	"							
Hexachlorobutadiene	ND	5.0	"							
Isopropylbenzene	ND	5.0	"							

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8121925 - EPA 5035 GCMS										
Blank (8121925-BLK1)				Prepared: 12/19/18 Analyzed: 12/22/18						
p-Isopropyltoluene	ND	5.0	ug/kg							
Methylene chloride	ND	5.0	"							
Naphthalene	ND	5.0	"							
n-Propylbenzene	ND	5.0	"							
Styrene	ND	5.0	"							
1,1,2,2-Tetrachloroethane	ND	5.0	"							
1,1,1,2-Tetrachloroethane	ND	5.0	"							
Tetrachloroethene	ND	5.0	"							
1,2,3-Trichlorobenzene	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
1,1,2-Trichloroethane	ND	5.0	"							
1,1,1-Trichloroethane	ND	5.0	"							
Trichloroethene	ND	5.0	"							
Trichlorofluoromethane	ND	5.0	"							
1,2,3-Trichloropropane	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
Vinyl chloride	ND	5.0	"							
Benzene	ND	5.0	"							
Toluene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
m,p-Xylene	ND	10	"							
o-Xylene	ND	5.0	"							
Surrogate: Toluene-d8	*38.5*		"	*39.9*		*96.4*	*76.1-127*			
Surrogate: 4-Bromofluorobenzene	*41.5*		"	*39.9*		*104*	*85.9-114*			
Surrogate: Dibromofluoromethane	*41.0*		"	*39.9*		*103*	*77.8-142*			
LCS (8121925-BS1)				Prepared: 12/19/18 Analyzed: 12/27/18						
Chlorobenzene	102	5.0	ug/kg	100		101	75-125			
1,1-Dichloroethene	105	5.0	"	100		105	75-125			
Trichloroethene	101	5.0	"	100		100	75-125			
Benzene	101	5.0	"	100		100	75-125			
Toluene	91.4	5.0	"	100		91.1	75-125			
Surrogate: Toluene-d8	*37.8*		"	*40.2*		*94.2*	*76.1-127*			
Surrogate: 4-Bromofluorobenzene	*42.3*		"	*40.2*		*105*	*85.9-114*			
Surrogate: Dibromofluoromethane	*45.0*		"	*40.2*		*112*	*77.8-142*			

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8121925 - EPA 5035 GCMS										
LCS Dup (8121925-BSD1)				Prepared: 12/19/18 Analyzed: 12/27/18						
Chlorobenzene	86.3	4.6	ug/kg	92.7		93.1	75-125	16.4	20	
1,1-Dichloroethene	92.1	4.6	"	92.7		99.3	75-125	13.5	20	
Trichloroethene	84.7	4.6	"	92.7		91.4	75-125	17.1	20	
Benzene	86.5	4.6	"	92.7		93.4	75-125	15.1	20	
Toluene	80.8	4.6	"	92.7		87.1	75-125	12.4	20	
Surrogate: Toluene-d8	*36.9*		"	*37.1*		*99.6*	*76.1-127*			
Surrogate: 4-Bromofluorobenzene	*36.6*		"	*37.1*		*98.7*	*85.9-114*			
Surrogate: Dibromofluoromethane	*44.1*		"	*37.1*		*119*	*77.8-142*			

SunStar Laboratories, Inc.

Joann Marroquin

Joann Marroquin, Client Services Manager

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PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8122018 - EPA 3550 ECD/GCMS										
Blank (8122018-BLK1)				Prepared: 12/20/18 Analyzed: 12/26/18						
Carbazole	ND	300	ug/kg							
Aniline	ND	300	"							
Phenol	ND	1000	"							
2-Chlorophenol	ND	1000	"							
1,4-Dichlorobenzene	ND	300	"							
N-Nitrosodi-n-propylamine	ND	300	"							
1,2,4-Trichlorobenzene	ND	300	"							
4-Chloro-3-methylphenol	ND	1000	"							
2-Methylnaphthalene	ND	300	"							
1-Methylnaphthalene	ND	300	"							
Acenaphthene	ND	300	"							
4-Nitrophenol	ND	1000	"							
2,4-Dinitrotoluene	ND	300	"							
Pentachlorophenol	ND	1000	"							
Pyrene	ND	300	"							
Acenaphthylene	ND	300	"							
Anthracene	ND	300	"							
Benzo (a) anthracene	ND	300	"							
Benzo (b) fluoranthene	ND	300	"							
Benzo (k) fluoranthene	ND	300	"							
Benzo (g,h,i) perylene	ND	1000	"							
Benzo (a) pyrene	ND	300	"							
Benzyl alcohol	ND	300	"							
Bis(2-chloroethoxy)methane	ND	300	"							
Bis(2-chloroethyl)ether	ND	300	"							
Bis(2-chloroisopropyl)ether	ND	300	"							
Bis(2-ethylhexyl)phthalate	ND	300	"							
4-Bromophenyl phenyl ether	ND	300	"							
Butyl benzyl phthalate	ND	300	"							
4-Chloroaniline	ND	300	"							
2-Chloronaphthalene	ND	300	"							
4-Chlorophenyl phenyl ether	ND	300	"							
Chrysene	ND	300	"							
Dibenz (a,h) anthracene	ND	300	"							
Dibenzofuran	ND	300	"							
Di-n-butyl phthalate	ND	300	"							

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Joann Marroquin

Joann Marroquin, Client Services Manager

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Lake Forest, California 92630
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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8122018 - EPA 3550 ECD/GCMS										
Blank (8122018-BLK1)				Prepared: 12/20/18 Analyzed: 12/26/18						
1,2-Dichlorobenzene	ND	300	ug/kg							
1,3-Dichlorobenzene	ND	300	"							
2,4-Dichlorophenol	ND	1000	"							
Diethyl phthalate	ND	300	"							
2,4-Dimethylphenol	ND	1000	"							
Dimethyl phthalate	ND	300	"							
4,6-Dinitro-2-methylphenol	ND	1000	"							
2,4-Dinitrophenol	ND	1000	"							
2,6-Dinitrotoluene	ND	1000	"							
Di-n-octyl phthalate	ND	300	"							
Fluoranthene	ND	300	"							
Fluorene	ND	300	"							
Hexachlorobenzene	ND	1500	"							
Hexachlorobutadiene	ND	300	"							
Hexachlorocyclopentadiene	ND	1000	"							
Hexachloroethane	ND	300	"							
Indeno (1,2,3-cd) pyrene	ND	300	"							
Isophorone	ND	300	"							
2-Methylphenol	ND	1000	"							
4-Methylphenol	ND	1000	"							
Naphthalene	ND	300	"							
2-Nitroaniline	ND	300	"							
3-Nitroaniline	ND	300	"							
4-Nitroaniline	ND	300	"							
Nitrobenzene	ND	1000	"							
2-Nitrophenol	ND	1000	"							
N-Nitrosodimethylamine	ND	300	"							
N-Nitrosodiphenylamine	ND	300	"							
2,3,5,6-Tetrachlorophenol	ND	300	"							
2,3,4,6-Tetrachlorophenol	ND	300	"							
Phenanthrene	ND	300	"							
Azobenzene	ND	300	"							
2,4,5-Trichlorophenol	ND	1000	"							
Pyridine	ND	300	"							
2,4,6-Trichlorophenol	ND	1000	"							

SunStar Laboratories, Inc.

Joann Marroquin

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Providing Quality Analytical Services Nationwide

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Lake Forest, California 92630
949.297.5020 Phone
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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8122018 - EPA 3550 ECD/GCMS										
Blank (8122018-BLK1)				Prepared: 12/20/18 Analyzed: 12/26/18						
Surrogate: 2-Fluorophenol	*2110*		*ug/kg*	*3300*		*63.8*	*15-121*			
Surrogate: Phenol-d6	*1980*		*"*	*3300*		*60.0*	*24-113*			
Surrogate: Nitrobenzene-d5	*2310*		*"*	*3300*		*70.1*	*21.3-119*			
Surrogate: 2-Fluorobiphenyl	*2540*		*"*	*3300*		*77.0*	*32.4-102*			
Surrogate: 2,4,6-Tribromophenol	*2890*		*"*	*3300*		*87.7*	*18.1-105*			
Surrogate: Terphenyl-dl4	*2860*		*"*	*3300*		*86.6*	*29.1-130*			
LCS (8122018-BS1)				Prepared: 12/20/18 Analyzed: 12/26/18						
Phenol	1600	1000	ug/kg	3240		49.5	34-114			
2-Chlorophenol	1790	1000	"	3240		55.2	34-114			
1,4-Dichlorobenzene	2000	300	"	3240		61.8	34-114			
N-Nitrosodi-n-propylamine	2070	300	"	3240		64.0	30-110			
1,2,4-Trichlorobenzene	2090	300	"	3240		64.4	39-119			
4-Chloro-3-methylphenol	2110	1000	"	3240		65.4	50-130			
Acenaphthene	2350	300	"	3240		72.7	34-114			
Pentachlorophenol	3370	1000	"	3240		104	50-130			
Pyrene	1960	300	"	3240		60.5	33.7-123			
Surrogate: 2-Fluorophenol	*1660*		*"*	*3240*		*51.3*	*15-121*			
Surrogate: Phenol-d6	*1700*		*"*	*3240*		*52.4*	*24-113*			
Surrogate: Nitrobenzene-d5	*1860*		*"*	*3240*		*57.4*	*21.3-119*			
Surrogate: 2-Fluorobiphenyl	*2060*		*"*	*3240*		*63.8*	*32.4-102*			
Surrogate: 2,4,6-Tribromophenol	*2590*		*"*	*3240*		*80.1*	*18.1-105*			
Surrogate: Terphenyl-dl4	*2530*		*"*	*3240*		*78.3*	*29.1-130*			
LCS Dup (8122018-BSD1)				Prepared: 12/20/18 Analyzed: 12/26/18						
Phenol	1920	1000	ug/kg	3270		58.9	34-114	18.4	42	
2-Chlorophenol	2140	1000	"	3270		65.6	34-114	18.1	40	
1,4-Dichlorobenzene	2390	300	"	3270		73.2	34-114	17.9	28	
N-Nitrosodi-n-propylamine	2490	300	"	3270		76.0	30-110	18.2	38	
1,2,4-Trichlorobenzene	2500	300	"	3270		76.4	39-119	17.9	28	
4-Chloro-3-methylphenol	2520	1000	"	3270		77.2	50-130	17.6	42	
Acenaphthene	2730	300	"	3270		83.7	34-114	14.9	31	
Pentachlorophenol	3840	1000	"	3270		118	50-130	13.0	50	
Pyrene	2120	300	"	3270		64.8	33.7-123	7.77	31	
Surrogate: 2-Fluorophenol	*2020*		*"*	*3270*		*61.7*	*15-121*			
Surrogate: Phenol-d6	*1940*		*"*	*3270*		*59.4*	*24-113*			

SunStar Laboratories, Inc.



Joann Marroquin, Client Services Manager

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Providing Quality Analytical Services Nationwide

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8122018 - EPA 3550 ECD/GCMS										
LCS Dup (8122018-BSD1)				Prepared: 12/20/18 Analyzed: 12/26/18						
Surrogate: Nitrobenzene-d5	*2250*		*ug/kg*	*3270*		*68.8*	*21.3-119*			
Surrogate: 2-Fluorobiphenyl	*2450*		*"*	*3270*		*75.0*	*32.4-102*			
Surrogate: 2,4,6-Tribromophenol	*3020*		*"*	*3270*		*92.4*	*18.1-105*			
Surrogate: Terphenyl-dl4	*2740*		*"*	*3270*		*83.8*	*29.1-130*			

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Joann Marroquin

Joann Marroquin, Client Services Manager

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 15:06

Notes and Definitions

S-GC	Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
S-04	The surrogate recovery for this sample is outside of established control limits due to possible sample matrix effect.
S-01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.
R-07	Reporting limit for this compound(s) has been raised to account for dilution necessary due to high levels of interfering compound(s) and/or matrix affect.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to possible matrix interference. The LCS was within acceptance criteria. The data is acceptable as no negative impact on data is expected.
QM-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
QM-01	The % recovery is outside of established control limits due to matrix interference and/or sample dilution due to matrix effect. The batch was accepted based on acceptable LCS recovery.
M-02	Multiple analysis yielded poor internal standard and/or surrogate recoveries due to matrix effect. Results reported are from the most complete recovery of internal standards, however, recoveries were not within the acceptable limits of the method.
5035R	5035 sample integrity was compromised and unusable. Analysis was performed from additional soil sampled.
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

SunStar Laboratories

25712 Commercentre Drive, Lake Forest, CA 92630
949-297-5020

Chain of Custody Record

Client: Northgate Env Mgmt Inc
Address: 24411 Ridge Route Dr #130
Phone: 949.375.7004 Fax:
Project Manager: D Willis

Date: 12/17/18 Page: 1 Of 2
Project Name: Holland Sunset
Collector: D Willis Client Project #: 2047.17.01
Batch #: T183752 EDF #:

Laboratory ID #	Sample ID	Date Sampled	Time (AM)	Sample Type	Container Type (S1 - acetate sleeve)	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	6020 ICP-MS Metals	PCBs 8082	OCPs 8081			Comments/Preservative	Total # of containers
01	~~B1@5~~ B1@1'	12/17/18	12:20	Soil	S1 + 5035	X			X		X		X	X		X	X				
02	B1@5'		12:25	Soil	S1 + 5035	X			X		X		X	X		X	X				
03	B1@10'		12:40			X			X		X		X	X		X	X				
04	B1@15'		12:50			X			X		X		X	X							
05	B1@20'		1:40			X			X		X		X	X							
06	B1@25'		2:05			X			X		X		X	X						remove	
07	B2@1'		3:05			X			X		X		X	X		X	X				
08	B2@5'		3:10			X			X		X		X	X		X	X				
09	B2@10'		3:15			X			X		X		X	X		X	X				
10	B2@15'		3:25			X			X		X		X	X							
11	B3@1'		4:10			X			X		X		X	X		X	X				
12	B3@5'		4:15			X			X		X		X	X		X	X				
13	B3@10'		4:20			X			X		X		X	X		X	X				
14	B3@15'		4:30			X			X		X		X	X							
15	B4@1'		5:25			X			X		X		X	X		X	X				

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	12/18/18 11:30	[signature]	12-18-18 11:30
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold 4.0

Turn around time: STD

Notes

Sample disposal Instructions: Disposal @ $2.00 each ____ Return to client ____ Pickup ____

COC 180564

SunStar Laboratories
25712 Commercentre Drive, Lake Forest, CA 92630
949-297-5020

Chain of Custody Record

Client: Northgate Env Mgmt Inc
Address: 2496 Ridge Route Dr #130
Phone: 949.375.7004 Fax:
Project Manager: Derek Willis

Date: 12/17/18 Page: 1 Of 2
Project Name: Hoccard Sunset
Collector: D Willis Client Project #: 2047.17.01
Batch #: T183752 EDF #:

Laboratory ID #	Sample ID	Date Sampled	Time	Sample Type	Container Type (S1: acetate sleeve)	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	6020 ICP-MS Metals	PCBs 8082	OCPs 8081			Comments/Preservative	Total # of containers
16	B4 @ 5'	12/17/18	5:35	Soil	S1 + 5035	X					X		X	X		X	X				
17	B4 @ 10'	"	5:40	"	"	X					X		X	X		X	X				
18	B4 @ 15	"	5:50	"	"	X					X		X	X							

Relinquished by: (signature) Date / Time: 12/18/18 11:30
Received by: (signature) Date / Time: 12-18-18 11:30
Relinquished by: (signature) Date / Time:
Received by: (signature) Date / Time:
Relinquished by: (signature) Date / Time:
Received by: (signature) Date / Time:

Total # of containers:
Chain of Custody seals Y/N/NA:
Seals intact? Y/N/NA:
Received good condition/cold: 4.0

Turn around time: STD

Notes

Sample disposal Instructions: Disposal @ $2.00 each ____ Return to client ____ Pickup ____

COC 180563

SunStar Laboratories — Celebrating 20 Years!

SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: 18B752

Client Name: NORTHGATE ENV. Project: HOLLAND SUNSET

Delivered by: ☒ Client ☐ SunStar Courier ☐ GSO ☐ FedEx ☐ Other

If Courier, Received by: _____ Date/Time Courier Received: _____

Lab Received by: SUNNY Date/Time Lab Received: 12.18.18 / 11:30

Total number of coolers received: 1

Temperature: Cooler #1 2.8	°C +/- the CF (1.2°C) = 4.0	°C corrected temperature	
Temperature: Cooler #2	°C +/- the CF (1.2°C) =	°C corrected temperature	
Temperature: Cooler #3	°C +/- the CF (1.2°C) =	°C corrected temperature	
Temperature criteria = ≤ 6°C (no frozen containers)	Within criteria?	☒ **Yes**	☐ **No**
If NO:			
Samples received on ice?	☐ Yes	☐ **No → Complete Non-Conformance Sheet**	
If on ice, samples received same day collected?	☐ Yes → Acceptable	☐ **No → Complete Non-Conformance Sheet**	

Custody seals intact on cooler/sample	☐ Yes	☐ No*	☒ N/A
Sample containers intact	☒ Yes	☐ No*	
Sample labels match Chain of Custody IDs	☒ Yes	☐ No*	
Total number of containers received match COC	☒ Yes	☐ No*	
Proper containers received for analyses requested on COC	☒ Yes	☐ No*	
Proper preservative indicated on COC/containers for analyses requested	☒ Yes	☐ No*	☐ N/A
Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times	☒ **Yes**	☐ **No***	

* Complete Non-Conformance Receiving Sheet if checked

Cooler/Sample Review - Initials and date: SL 12.18.18

Comments:

SunStar Laboratories

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T183752

Client:	**Northgate Environmental Management -- Laguna**	**Project Manager:**	**Joann Marroquin**
Project:	**Holland Sunset**	**Project Number:**	**2047.17.01**

Report To:
Northgate Environmental Management -- Laguna Hills
Derrick Willis
24411 Ridge Route Drive, Suite 130
Laguna Hills, CA 92653

Date Due:	12/27/18 17:00 (5 day TAT)		
Received By:	Sunny Lounethone	Date Received:	12/18/18 11:30
Logged In By:	Sunny Lounethone	Date Logged In:	12/18/18 13:35

Samples Received at: **4°C**

Custody Seals	No	Received On Ice	Yes
Containers Intact	Yes		
COC/Labels Agree	Yes		
Preservation Confirm	Yes		

Analysis	Due	TAT	Expires	Comments
T183752-01 B1@1 [Soil] Sampled 12/17/18 12:20 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/15/19 12:20	
8015 Carbon Chain	12/27/18 15:00	5	12/31/18 12:20	
8015 m 5035-GRO	12/27/18 15:00	5	12/31/18 12:20	
8081 Pesticides	12/27/18 15:00	5	12/31/18 12:20	
8082 PCB	12/27/18 15:00	5	12/31/18 12:20	
8260 5035	12/27/18 15:00	5	12/31/18 12:20	
8270C	12/27/18 15:00	5	12/31/18 12:20	
T183752-02 B1@5 [Soil] Sampled 12/17/18 12:25 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/15/19 12:25	
8015 Carbon Chain	12/27/18 15:00	5	12/31/18 12:25	
8015 m 5035-GRO	12/27/18 15:00	5	12/31/18 12:25	
8081 Pesticides	12/27/18 15:00	5	12/31/18 12:25	
8082 PCB	12/27/18 15:00	5	12/31/18 12:25	
8260 5035	12/27/18 15:00	5	12/31/18 12:25	
8270C	12/27/18 15:00	5	12/31/18 12:25	

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WORK ORDER

T183752

Client: Northgate Environmental Management -- Laguna
Project: Holland Sunset
Project Manager: Joann Marroquin
Project Number: 2047.17.01

Analysis	Due	TAT	Expires	Comments
T183752-03 B1@10 [Soil] Sampled 12/17/18 12:40 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/15/19 12:40	
8015 Carbon Chain	12/27/18 15:00	5	12/31/18 12:40	
8015 m 5035-GRO	12/27/18 15:00	5	12/31/18 12:40	
8081 Pesticides	12/27/18 15:00	5	12/31/18 12:40	
8082 PCB	12/27/18 15:00	5	12/31/18 12:40	
8260 5035	12/27/18 15:00	5	12/31/18 12:40	
8270C	12/27/18 15:00	5	12/31/18 12:40	
T183752-04 B1@15 [Soil] Sampled 12/17/18 12:50 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/15/19 12:50	
8015 Carbon Chain	12/27/18 15:00	5	12/31/18 12:50	
8015 m 5035-GRO	12/27/18 15:00	5	12/31/18 12:50	
8260 5035	12/27/18 15:00	5	12/31/18 12:50	
8270C	12/27/18 15:00	5	12/31/18 12:50	
T183752-05 B1@20 [Soil] Sampled 12/17/18 13:40 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/15/19 13:40	
8015 Carbon Chain	12/27/18 15:00	5	12/31/18 13:40	
8015 m 5035-GRO	12/27/18 15:00	5	12/31/18 13:40	
8260 5035	12/27/18 15:00	5	12/31/18 13:40	
T183752-06 B1@25 [Soil] Sampled 12/17/18 14:05 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/15/19 14:05	
8015 Carbon Chain	12/27/18 15:00	5	12/31/18 14:05	
8015 m 5035-GRO	12/27/18 15:00	5	12/31/18 14:05	
8260 5035	12/27/18 15:00	5	12/31/18 14:05	

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T183752

Client: Northgate Environmental Management -- Laguna **Project Manager:** Joann Marroquin
Project: Holland Sunset **Project Number:** 2047.17.01

Analysis	Due	TAT	Expires	Comments
T183752-07 B2@1 [Soil] Sampled 12/17/18 15:05 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/15/19 15:05	
8015 Carbon Chain	12/27/18 15:00	5	12/31/18 15:05	
8015 m 5035-GRO	12/27/18 15:00	5	12/31/18 15:05	
8081 Pesticides	12/27/18 15:00	5	12/31/18 15:05	
8082 PCB	12/27/18 15:00	5	12/31/18 15:05	
8260 5035	12/27/18 15:00	5	12/31/18 15:05	
8270C	12/27/18 15:00	5	12/31/18 15:05	
T183752-08 B2@5 [Soil] Sampled 12/17/18 15:10 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/15/19 15:10	
8015 Carbon Chain	12/27/18 15:00	5	12/31/18 15:10	
8015 m 5035-GRO	12/27/18 15:00	5	12/31/18 15:10	
8081 Pesticides	12/27/18 15:00	5	12/31/18 15:10	
8082 PCB	12/27/18 15:00	5	12/31/18 15:10	
8260 5035	12/27/18 15:00	5	12/31/18 15:10	
8270C	12/27/18 15:00	5	12/31/18 15:10	
T183752-09 B2@10 [Soil] Sampled 12/17/18 15:15 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/15/19 15:15	
8015 Carbon Chain	12/27/18 15:00	5	12/31/18 15:15	
8015 m 5035-GRO	12/27/18 15:00	5	12/31/18 15:15	
8081 Pesticides	12/27/18 15:00	5	12/31/18 15:15	
8082 PCB	12/27/18 15:00	5	12/31/18 15:15	
8260 5035	12/27/18 15:00	5	12/31/18 15:15	
8270C	12/27/18 15:00	5	12/31/18 15:15	
T183752-10 B2@15 [Soil] Sampled 12/17/18 15:25 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/15/19 15:25	
8015 Carbon Chain	12/27/18 15:00	5	12/31/18 15:25	
8015 m 5035-GRO	12/27/18 15:00	5	12/31/18 15:25	
8260 5035	12/27/18 15:00	5	12/31/18 15:25	
8270C	12/27/18 15:00	5	12/31/18 15:25	

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PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T183752

Client: Northgate Environmental Management -- Laguna **Project Manager:** Joann Marroquin
Project: Holland Sunset **Project Number:** 2047.17.01

Analysis	Due	TAT	Expires	Comments
T183752-11 B3@1 [Soil] Sampled 12/17/18 16:10 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/15/19 16:10	
8015 Carbon Chain	12/27/18 15:00	5	12/31/18 16:10	
8015 m 5035-GRO	12/27/18 15:00	5	12/31/18 16:10	
8081 Pesticides	12/27/18 15:00	5	12/31/18 16:10	
8082 PCB	12/27/18 15:00	5	12/31/18 16:10	
8260 5035	12/27/18 15:00	5	12/31/18 16:10	
8270C	12/27/18 15:00	5	12/31/18 16:10	
T183752-12 B3@5 [Soil] Sampled 12/17/18 16:15 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/15/19 16:15	
8015 Carbon Chain	12/27/18 15:00	5	12/31/18 16:15	
8015 m 5035-GRO	12/27/18 15:00	5	12/31/18 16:15	
8081 Pesticides	12/27/18 15:00	5	12/31/18 16:15	
8082 PCB	12/27/18 15:00	5	12/31/18 16:15	
8260 5035	12/27/18 15:00	5	12/31/18 16:15	
8270C	12/27/18 15:00	5	12/31/18 16:15	
T183752-13 B3@10 [Soil] Sampled 12/17/18 16:20 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/15/19 16:20	
8015 Carbon Chain	12/27/18 15:00	5	12/31/18 16:20	
8015 m 5035-GRO	12/27/18 15:00	5	12/31/18 16:20	
8081 Pesticides	12/27/18 15:00	5	12/31/18 16:20	
8082 PCB	12/27/18 15:00	5	12/31/18 16:20	
8260 5035	12/27/18 15:00	5	12/31/18 16:20	
8270C	12/27/18 15:00	5	12/31/18 16:20	
T183752-14 B3@15 [Soil] Sampled 12/17/18 16:30 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/15/19 16:30	
8015 Carbon Chain	12/27/18 15:00	5	12/31/18 16:30	
8015 m 5035-GRO	12/27/18 15:00	5	12/31/18 16:30	
8260 5035	12/27/18 15:00	5	12/31/18 16:30	
8270C	12/27/18 15:00	5	12/31/18 16:30	

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PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T183752

Client: Northgate Environmental Management -- Laguna **Project Manager:** Joann Marroquin
Project: Holland Sunset **Project Number:** 2047.17.01

Analysis	Due	TAT	Expires	Comments
T183752-15 B4@1 [Soil] Sampled 12/17/18 17:25 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/15/19 17:25	
8015 Carbon Chain	12/27/18 15:00	5	12/31/18 17:25	
8015 m 5035-GRO	12/27/18 15:00	5	12/31/18 17:25	
8081 Pesticides	12/27/18 15:00	5	12/31/18 17:25	
8082 PCB	12/27/18 15:00	5	12/31/18 17:25	
8260 5035	12/27/18 15:00	5	12/31/18 17:25	
8270C	12/27/18 15:00	5	12/31/18 17:25	
T183752-16 B4@5 [Soil] Sampled 12/17/18 17:35 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/15/19 17:35	
8015 Carbon Chain	12/27/18 15:00	5	12/31/18 17:35	
8015 m 5035-GRO	12/27/18 15:00	5	12/31/18 17:35	
8081 Pesticides	12/27/18 15:00	5	12/31/18 17:35	
8082 PCB	12/27/18 15:00	5	12/31/18 17:35	
8260 5035	12/27/18 15:00	5	12/31/18 17:35	
8270C	12/27/18 15:00	5	12/31/18 17:35	
T183752-17 B4@10 [Soil] Sampled 12/17/18 17:40 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/15/19 17:40	
8015 Carbon Chain	12/27/18 15:00	5	12/31/18 17:40	
8015 m 5035-GRO	12/27/18 15:00	5	12/31/18 17:40	
8081 Pesticides	12/27/18 15:00	5	12/31/18 17:40	
8082 PCB	12/27/18 15:00	5	12/31/18 17:40	
8260 5035	12/27/18 15:00	5	12/31/18 17:40	
8270C	12/27/18 15:00	5	12/31/18 17:40	
T183752-18 B4@15 [Soil] Sampled 12/17/18 17:50 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/15/19 17:50	
8015 Carbon Chain	12/27/18 15:00	5	12/31/18 17:50	
8015 m 5035-GRO	12/27/18 15:00	5	12/31/18 17:50	
8260 5035	12/27/18 15:00	5	12/31/18 17:50	
8270C	12/27/18 15:00	5	12/31/18 17:50	

Reviewed By Date

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T183752

Client:	**Northgate Environmental Management -- Laguna**	**Project Manager:**	**Joann Marroquin**
Project:	**Holland Sunset**	**Project Number:**	**2047.17.01**

Analysis groups included in this work order

6010 Title 22

subgroup 6010B T22 7470/71 Hg

Reviewed By

Date

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PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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09 January 2019

Derrick Willis
Northgate Environmental Management -- Laguna Hills
24411 Ridge Route Drive, Suite 130
Laguna Hills, CA 92653

RE: Holland Sunset

Enclosed are the results of analyses for samples received by the laboratory on 12/18/18 11:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Joann Marroquin
Client Services Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B5@1	T183753-01	Soil	12/18/18 00:01	12/18/18 11:30
B5@5	T183753-02	Soil	12/18/18 00:05	12/18/18 11:30
B5@10	T183753-03	Soil	12/18/18 00:20	12/18/18 11:30
B5@15	T183753-04	Soil	12/18/18 00:35	12/18/18 11:30
B5@17	T183753-05	Soil	12/18/18 00:45	12/18/18 11:30
B6@1	T183753-06	Soil	12/18/18 01:20	12/18/18 11:30
B6@5	T183753-07	Soil	12/18/18 13:35	12/18/18 11:30
B6@10	T183753-08	Soil	12/18/18 01:50	12/18/18 11:30
B6@15	T183753-09	Soil	12/18/18 02:10	12/18/18 11:30
B7@1	T183753-10	Soil	12/18/18 02:40	12/18/18 11:30
B7@5	T183753-11	Soil	12/18/18 02:50	12/18/18 11:30
B7@10	T183753-12	Soil	12/18/18 03:00	12/18/18 11:30
B7@15	T183753-13	Soil	12/18/18 03:10	12/18/18 11:30
B8@1	T183753-14	Soil	12/18/18 03:50	12/18/18 11:30
B8@5	T183753-15	Soil	12/18/18 04:00	12/18/18 11:30
B8@9	T183753-16	Soil	12/18/18 04:15	12/18/18 11:30

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Joann Marroquin

Joann Marroquin, Client Services Manager

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

DETECTIONS SUMMARY

Sample ID: B5@1 **Laboratory ID:** T183753-01

Analyte	Result	Reporting Limit	Units	Method	Notes
C23-C32 (MORO)	**880**	100	mg/kg	EPA 8015B	
Arsenic	**9.8**	5.0	mg/kg	EPA 6010b	
Barium	**150**	1.0	mg/kg	EPA 6010b	
Chromium	**18**	2.0	mg/kg	EPA 6010b	
Cobalt	**13**	2.0	mg/kg	EPA 6010b	
Copper	**33**	1.0	mg/kg	EPA 6010b	
Lead	**210**	3.0	mg/kg	EPA 6010b	
Molybdenum	**9.4**	5.0	mg/kg	EPA 6010b	
Nickel	**24**	2.0	mg/kg	EPA 6010b	
Vanadium	**40**	5.0	mg/kg	EPA 6010b	
Zinc	**81**	1.0	mg/kg	EPA 6010b	

Sample ID: B5@5 **Laboratory ID:** T183753-02

Analyte	Result	Reporting Limit	Units	Method	Notes
C23-C32 (MORO)	**52**	10	mg/kg	EPA 8015B	
Arsenic	**7.6**	5.0	mg/kg	EPA 6010b	
Barium	**150**	1.0	mg/kg	EPA 6010b	
Chromium	**16**	2.0	mg/kg	EPA 6010b	
Cobalt	**11**	2.0	mg/kg	EPA 6010b	
Copper	**24**	1.0	mg/kg	EPA 6010b	
Molybdenum	**9.3**	5.0	mg/kg	EPA 6010b	
Nickel	**20**	2.0	mg/kg	EPA 6010b	
Vanadium	**35**	5.0	mg/kg	EPA 6010b	
Zinc	**46**	1.0	mg/kg	EPA 6010b	
Ethylbenzene	**5.9**	5.9	ug/kg	EPA 8260B/5035	

Sample ID: B5@10 **Laboratory ID:** T183753-03

Analyte	Result	Reporting Limit	Units	Method	Notes
Arsenic	**8.2**	5.0	mg/kg	EPA 6010b	

SunStar Laboratories, Inc.

Joann Marroquin

Joann Marroquin, Client Services Manager

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

Sample ID: B5@10 **Laboratory ID:** T183753-03

Analyte	Result	Reporting Limit	Units	Method	Notes
Barium	**56**	1.0	mg/kg	EPA 6010b	
Chromium	**16**	2.0	mg/kg	EPA 6010b	
Cobalt	**11**	2.0	mg/kg	EPA 6010b	
Copper	**29**	1.0	mg/kg	EPA 6010b	
Molybdenum	**11**	5.0	mg/kg	EPA 6010b	
Nickel	**22**	2.0	mg/kg	EPA 6010b	
Vanadium	**37**	5.0	mg/kg	EPA 6010b	
Zinc	**60**	1.0	mg/kg	EPA 6010b	

Sample ID: B5@15 **Laboratory ID:** T183753-04

Analyte	Result	Reporting Limit	Units	Method	Notes
Arsenic	**21**	5.0	mg/kg	EPA 6010b	
Barium	**63**	1.0	mg/kg	EPA 6010b	
Chromium	**22**	2.0	mg/kg	EPA 6010b	
Cobalt	**15**	2.0	mg/kg	EPA 6010b	
Copper	**50**	1.0	mg/kg	EPA 6010b	
Lead	**9.4**	3.0	mg/kg	EPA 6010b	
Molybdenum	**19**	5.0	mg/kg	EPA 6010b	
Nickel	**33**	2.0	mg/kg	EPA 6010b	
Vanadium	**58**	5.0	mg/kg	EPA 6010b	
Zinc	**97**	1.0	mg/kg	EPA 6010b	
Ethylbenzene	**6.7**	5.1	ug/kg	EPA 8260B/5035	

Sample ID: B5@17 **Laboratory ID:** T183753-05

Analyte	Result	Reporting Limit	Units	Method	Notes
Arsenic	**8.3**	5.0	mg/kg	EPA 6010b	
Barium	**63**	1.0	mg/kg	EPA 6010b	
Chromium	**15**	2.0	mg/kg	EPA 6010b	
Cobalt	**12**	2.0	mg/kg	EPA 6010b	
Copper	**23**	1.0	mg/kg	EPA 6010b	
Lead	**8.9**	3.0	mg/kg	EPA 6010b	
Molybdenum	**11**	5.0	mg/kg	EPA 6010b	
Nickel	**20**	2.0	mg/kg	EPA 6010b	

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Joann Marroquin

Joann Marroquin, Client Services Manager

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PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

Sample ID: B5@17 **Laboratory ID:** T183753-05

Analyte	Result	Reporting Limit	Units	Method	Notes
Vanadium	**31**	5.0	mg/kg	EPA 6010b	
Zinc	**60**	1.0	mg/kg	EPA 6010b	

Sample ID: B6@1 **Laboratory ID:** T183753-06

Analyte	Result	Reporting Limit	Units	Method	Notes
Arsenic	**8.1**	5.0	mg/kg	EPA 6010b	
Barium	**120**	1.0	mg/kg	EPA 6010b	
Chromium	**17**	2.0	mg/kg	EPA 6010b	
Cobalt	**13**	2.0	mg/kg	EPA 6010b	
Copper	**25**	1.0	mg/kg	EPA 6010b	
Lead	**8.8**	3.0	mg/kg	EPA 6010b	
Molybdenum	**8.3**	5.0	mg/kg	EPA 6010b	
Nickel	**25**	2.0	mg/kg	EPA 6010b	
Vanadium	**43**	5.0	mg/kg	EPA 6010b	
Zinc	**48**	1.0	mg/kg	EPA 6010b	

Sample ID: B6@5 **Laboratory ID:** T183753-07

Analyte	Result	Reporting Limit	Units	Method	Notes
C23-C32 (MORO)	**110**	10	mg/kg	EPA 8015B	
Arsenic	**9.9**	5.0	mg/kg	EPA 6010b	
Barium	**650**	1.0	mg/kg	EPA 6010b	
Chromium	**16**	2.0	mg/kg	EPA 6010b	
Cobalt	**13**	2.0	mg/kg	EPA 6010b	
Copper	**29**	1.0	mg/kg	EPA 6010b	
Molybdenum	**11**	5.0	mg/kg	EPA 6010b	
Nickel	**24**	2.0	mg/kg	EPA 6010b	
Vanadium	**37**	5.0	mg/kg	EPA 6010b	
Zinc	**62**	1.0	mg/kg	EPA 6010b	

Sample ID: B6@10 **Laboratory ID:** T183753-08

Analyte	Result	Reporting Limit	Units	Method	Notes

SunStar Laboratories, Inc.



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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

Sample ID: B6@10 **Laboratory ID:** T183753-08

Analyte	Result	Reporting Limit	Units	Method	Notes
Arsenic	**9.0**	5.0	mg/kg	EPA 6010b	
Barium	**110**	1.0	mg/kg	EPA 6010b	
Chromium	**18**	2.0	mg/kg	EPA 6010b	
Cobalt	**12**	2.0	mg/kg	EPA 6010b	
Copper	**35**	1.0	mg/kg	EPA 6010b	
Lead	**9.5**	3.0	mg/kg	EPA 6010b	
Molybdenum	**12**	5.0	mg/kg	EPA 6010b	
Nickel	**22**	2.0	mg/kg	EPA 6010b	
Vanadium	**42**	5.0	mg/kg	EPA 6010b	
Zinc	**71**	1.0	mg/kg	EPA 6010b	

Sample ID: B6@15 **Laboratory ID:** T183753-09

Analyte	Result	Reporting Limit	Units	Method	Notes
Arsenic	**8.2**	5.0	mg/kg	EPA 6010b	
Barium	**71**	1.0	mg/kg	EPA 6010b	
Chromium	**16**	2.0	mg/kg	EPA 6010b	
Cobalt	**15**	2.0	mg/kg	EPA 6010b	
Copper	**30**	1.0	mg/kg	EPA 6010b	
Lead	**11**	3.0	mg/kg	EPA 6010b	
Molybdenum	**11**	5.0	mg/kg	EPA 6010b	
Nickel	**19**	2.0	mg/kg	EPA 6010b	
Vanadium	**35**	5.0	mg/kg	EPA 6010b	
Zinc	**69**	1.0	mg/kg	EPA 6010b	

Sample ID: B7@1 **Laboratory ID:** T183753-10

Analyte	Result	Reporting Limit	Units	Method	Notes
C23-C32 (MORO)	**100**	10	mg/kg	EPA 8015B	
Arsenic	**9.0**	5.0	mg/kg	EPA 6010b	
Barium	**160**	1.0	mg/kg	EPA 6010b	
Chromium	**18**	2.0	mg/kg	EPA 6010b	
Cobalt	**14**	2.0	mg/kg	EPA 6010b	
Copper	**30**	1.0	mg/kg	EPA 6010b	
Lead	**15**	3.0	mg/kg	EPA 6010b	

SunStar Laboratories, Inc.



Joann Marroquin, Client Services Manager

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

Sample ID: B7@1 **Laboratory ID:** T183753-10

Analyte	Result	Reporting Limit	Units	Method	Notes
Molybdenum	**10**	5.0	mg/kg	EPA 6010b	
Nickel	**28**	2.0	mg/kg	EPA 6010b	
Vanadium	**42**	5.0	mg/kg	EPA 6010b	
Zinc	**71**	1.0	mg/kg	EPA 6010b	
Benzene	**12**	9.3	ug/kg	EPA 8260B/5035	M-02
Ethylbenzene	**22**	9.3	ug/kg	EPA 8260B/5035	M-02
m,p-Xylene	**61**	19	ug/kg	EPA 8260B/5035	M-02
o-Xylene	**22**	9.3	ug/kg	EPA 8260B/5035	M-02

Sample ID: B7@5 **Laboratory ID:** T183753-11

Analyte	Result	Reporting Limit	Units	Method	Notes
C23-C32 (MORO)	**150**	10	mg/kg	EPA 8015B	
Arsenic	**8.8**	5.0	mg/kg	EPA 6010b	
Barium	**180**	1.0	mg/kg	EPA 6010b	
Chromium	**19**	2.0	mg/kg	EPA 6010b	
Cobalt	**15**	2.0	mg/kg	EPA 6010b	
Copper	**29**	1.0	mg/kg	EPA 6010b	
Lead	**9.1**	3.0	mg/kg	EPA 6010b	
Molybdenum	**11**	5.0	mg/kg	EPA 6010b	
Nickel	**30**	2.0	mg/kg	EPA 6010b	
Vanadium	**39**	5.0	mg/kg	EPA 6010b	
Zinc	**70**	1.0	mg/kg	EPA 6010b	

Sample ID: B7@10 **Laboratory ID:** T183753-12

Analyte	Result	Reporting Limit	Units	Method	Notes
C23-C32 (MORO)	**39**	10	mg/kg	EPA 8015B	
Arsenic	**9.1**	5.0	mg/kg	EPA 6010b	
Barium	**150**	1.0	mg/kg	EPA 6010b	
Cadmium	**11**	2.0	mg/kg	EPA 6010b	
Chromium	**18**	2.0	mg/kg	EPA 6010b	
Cobalt	**16**	2.0	mg/kg	EPA 6010b	
Copper	**27**	1.0	mg/kg	EPA 6010b	
Molybdenum	**13**	5.0	mg/kg	EPA 6010b	

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

Sample ID: B7@10 **Laboratory ID:** T183753-12

Analyte	Result	Reporting Limit	Units	Method	Notes
Nickel	**33**	2.0	mg/kg	EPA 6010b	
Vanadium	**39**	5.0	mg/kg	EPA 6010b	
Zinc	**68**	1.0	mg/kg	EPA 6010b	

Sample ID: B7@15 **Laboratory ID:** T183753-13

Analyte	Result	Reporting Limit	Units	Method	Notes
Arsenic	**8.0**	5.0	mg/kg	EPA 6010b	
Barium	**120**	1.0	mg/kg	EPA 6010b	
Chromium	**16**	2.0	mg/kg	EPA 6010b	
Cobalt	**11**	2.0	mg/kg	EPA 6010b	
Copper	**23**	1.0	mg/kg	EPA 6010b	
Molybdenum	**13**	5.0	mg/kg	EPA 6010b	
Nickel	**22**	2.0	mg/kg	EPA 6010b	
Vanadium	**34**	5.0	mg/kg	EPA 6010b	
Zinc	**58**	1.0	mg/kg	EPA 6010b	

Sample ID: B8@1 **Laboratory ID:** T183753-14

Analyte	Result	Reporting Limit	Units	Method	Notes
C23-C32 (MORO)	**120**	10	mg/kg	EPA 8015B	
Arsenic	**11**	5.0	mg/kg	EPA 6010b	
Barium	**140**	1.0	mg/kg	EPA 6010b	
Chromium	**17**	2.0	mg/kg	EPA 6010b	
Cobalt	**20**	2.0	mg/kg	EPA 6010b	
Copper	**31**	1.0	mg/kg	EPA 6010b	
Lead	**10**	3.0	mg/kg	EPA 6010b	
Molybdenum	**12**	5.0	mg/kg	EPA 6010b	
Nickel	**22**	2.0	mg/kg	EPA 6010b	
Vanadium	**38**	5.0	mg/kg	EPA 6010b	
Zinc	**72**	1.0	mg/kg	EPA 6010b	
m,p-Xylene	**23**	16	ug/kg	EPA 8260B/5035	
o-Xylene	**8.2**	8.2	ug/kg	EPA 8260B/5035	

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Sample ID: B8@5 **Laboratory ID:** T183753-15

Analyte	Result	Reporting Limit	Units	Method	Notes
C23-C32 (MORO)	**510**	10	mg/kg	EPA 8015B	
Arsenic	**9.4**	5.0	mg/kg	EPA 6010b	
Barium	**130**	1.0	mg/kg	EPA 6010b	
Chromium	**18**	2.0	mg/kg	EPA 6010b	
Cobalt	**13**	2.0	mg/kg	EPA 6010b	
Copper	**35**	1.0	mg/kg	EPA 6010b	
Lead	**9.9**	3.0	mg/kg	EPA 6010b	
Molybdenum	**15**	5.0	mg/kg	EPA 6010b	
Nickel	**34**	2.0	mg/kg	EPA 6010b	
Vanadium	**42**	5.0	mg/kg	EPA 6010b	
Zinc	**71**	1.0	mg/kg	EPA 6010b	
Mercury	**0.12**	0.10	mg/kg	EPA 7471A Soil	
Ethylbenzene	**7.2**	5.9	ug/kg	EPA 8260B/5035	

Sample ID: B8@9 **Laboratory ID:** T183753-16

Analyte	Result	Reporting Limit	Units	Method	Notes
Arsenic	**9.9**	5.0	mg/kg	EPA 6010b	
Barium	**70**	1.0	mg/kg	EPA 6010b	
Chromium	**16**	2.0	mg/kg	EPA 6010b	
Cobalt	**15**	2.0	mg/kg	EPA 6010b	
Copper	**30**	1.0	mg/kg	EPA 6010b	
Lead	**9.8**	3.0	mg/kg	EPA 6010b	
Molybdenum	**11**	5.0	mg/kg	EPA 6010b	
Nickel	**23**	2.0	mg/kg	EPA 6010b	
Vanadium	**37**	5.0	mg/kg	EPA 6010b	
Zinc	**76**	1.0	mg/kg	EPA 6010b	
Ethylbenzene	**10**	5.7	ug/kg	EPA 8260B/5035	
m,p-Xylene	**17**	11	ug/kg	EPA 8260B/5035	
o-Xylene	**5.8**	5.7	ug/kg	EPA 8260B/5035	

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T183753-01 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015B									
C4-C12 (GRO)	ND	500	ug/kg	1	8121930	12/19/18	12/27/18	EPA 8015B/5035	5035R
Surrogate: a,a,a-Trifluorotoluene		*55.0 %*	*65-135*		"	"	"	"	*5035R, S-04*
Extractable Petroleum Hydrocarbons by 8015B									
C13-C22 (DRO)	ND	100	mg/kg	10	8122128	12/21/18	12/22/18	EPA 8015B	R-07
C23-C32 (MORO)	**880**	100	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*89.6 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	8121831	12/18/18	12/19/18	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	**9.8**	5.0	"	"	"	"	"	"	
Barium	**150**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	**18**	2.0	"	"	"	"	"	"	
Cobalt	**13**	2.0	"	"	"	"	"	"	
Copper	**33**	1.0	"	"	"	"	"	"	
Lead	**210**	3.0	"	"	"	"	"	"	
Molybdenum	**9.4**	5.0	"	"	"	"	"	"	
Nickel	**24**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**40**	5.0	"	"	"	"	"	"	
Zinc	**81**	1.0	"	"	"	"	"	"	

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T183753-01 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	8121829	12/18/18	12/19/18	EPA 7471A Soil	
Organochlorine Pesticides by EPA Method 8081A									
alpha-BHC	ND	50	ug/kg	10	8121923	12/19/18	12/26/18	EPA 8081A	R-07
gamma-BHC (Lindane)	ND	50	"	"	"	"	"	"	R-07
beta-BHC	ND	50	"	"	"	"	"	"	R-07
delta-BHC	ND	50	"	"	"	"	"	"	R-07
Heptachlor	ND	50	"	"	"	"	"	"	R-07
Aldrin	ND	50	"	"	"	"	"	"	R-07
Heptachlor epoxide	ND	50	"	"	"	"	"	"	R-07
gamma-Chlordane	ND	50	"	"	"	"	"	"	R-07
alpha-Chlordane	ND	50	"	"	"	"	"	"	R-07
Endosulfan I	ND	50	"	"	"	"	"	"	R-07
4,4´-DDE	ND	50	"	"	"	"	"	"	R-07
Dieldrin	ND	50	"	"	"	"	"	"	R-07
Endrin	ND	50	"	"	"	"	"	"	R-07
4,4´-DDD	ND	50	"	"	"	"	"	"	R-07
Endosulfan II	ND	50	"	"	"	"	"	"	R-07
4,4´-DDT	ND	50	"	"	"	"	"	"	R-07
Endrin aldehyde	ND	50	"	"	"	"	"	"	R-07
Endosulfan sulfate	ND	50	"	"	"	"	"	"	R-07
Methoxychlor	ND	50	"	"	"	"	"	"	R-07
Endrin ketone	ND	50	"	"	"	"	"	"	R-07
Toxaphene	ND	200	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		*64.8 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*100 %*	*35-140*		"	"	"	"	

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T183753-01 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	100	ug/kg	10	8122129	12/21/18	12/27/18	EPA 8082	R-07
PCB-1221	ND	100	"	"	"	"	"	"	R-07
PCB-1232	ND	100	"	"	"	"	"	"	R-07
PCB-1242	ND	100	"	"	"	"	"	"	R-07
PCB-1248	ND	100	"	"	"	"	"	"	R-07
PCB-1254	ND	100	"	"	"	"	"	"	R-07
PCB-1260	ND	100	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		*109 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*97.8 %*	*35-140*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	7.6	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
Bromochloromethane	ND	7.6	"	"	"	"	"	"	
Bromodichloromethane	ND	7.6	"	"	"	"	"	"	
Bromoform	ND	7.6	"	"	"	"	"	"	
Bromomethane	ND	7.6	"	"	"	"	"	"	
n-Butylbenzene	ND	7.6	"	"	"	"	"	"	
sec-Butylbenzene	ND	7.6	"	"	"	"	"	"	
tert-Butylbenzene	ND	7.6	"	"	"	"	"	"	
Carbon tetrachloride	ND	7.6	"	"	"	"	"	"	
Chlorobenzene	ND	7.6	"	"	"	"	"	"	
Chloroethane	ND	7.6	"	"	"	"	"	"	
Chloroform	ND	7.6	"	"	"	"	"	"	
Chloromethane	ND	7.6	"	"	"	"	"	"	
2-Chlorotoluene	ND	7.6	"	"	"	"	"	"	
4-Chlorotoluene	ND	7.6	"	"	"	"	"	"	
Dibromochloromethane	ND	7.6	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	15	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.6	"	"	"	"	"	"	
Dibromomethane	ND	7.6	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	7.6	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	7.6	"	"	"	"	"	"	

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T183753-01 (Soil)

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Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	7.6	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
Dichlorodifluoromethane	ND	7.6	"	"	"	"	"	"	
1,1-Dichloroethane	ND	7.6	"	"	"	"	"	"	
1,2-Dichloroethane	ND	7.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	7.6	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	7.6	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	7.6	"	"	"	"	"	"	
1,2-Dichloropropane	ND	7.6	"	"	"	"	"	"	
1,3-Dichloropropane	ND	7.6	"	"	"	"	"	"	
2,2-Dichloropropane	ND	7.6	"	"	"	"	"	"	
1,1-Dichloropropene	ND	7.6	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	7.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	7.6	"	"	"	"	"	"	
Hexachlorobutadiene	ND	7.6	"	"	"	"	"	"	
Isopropylbenzene	ND	7.6	"	"	"	"	"	"	
p-Isopropyltoluene	ND	7.6	"	"	"	"	"	"	
Methylene chloride	ND	7.6	"	"	"	"	"	"	
Naphthalene	ND	7.6	"	"	"	"	"	"	
n-Propylbenzene	ND	7.6	"	"	"	"	"	"	
Styrene	ND	7.6	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.6	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	7.6	"	"	"	"	"	"	
Tetrachloroethene	ND	7.6	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	7.6	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	7.6	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	7.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	7.6	"	"	"	"	"	"	
Trichloroethene	ND	7.6	"	"	"	"	"	"	
Trichlorofluoromethane	ND	7.6	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	7.6	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	7.6	"	"	"	"	"	"	

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T183753-01 (Soil)

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
1,2,4-Trimethylbenzene	ND	7.6	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
Vinyl chloride	ND	7.6	"	"	"	"	"	"	
Benzene	ND	7.6	"	"	"	"	"	"	
Toluene	ND	7.6	"	"	"	"	"	"	
Ethylbenzene	ND	7.6	"	"	"	"	"	"	
m,p-Xylene	ND	15	"	"	"	"	"	"	
o-Xylene	ND	7.6	"	"	"	"	"	"	
Surrogate: Toluene-d8		*95.4 %*	*76.1-127*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.1 %*	*85.9-114*		"	"	"	"	
Surrogate: Dibromofluoromethane		*98.8 %*	*77.8-142*		"	"	"	"	
Semivolatile Organic Compounds by EPA Method 8270C									
Carbazole	ND	300000	ug/kg	1000	8121932	12/19/18	12/27/18	EPA 8270C	R-07
Phenol	ND	1000000	"	"	"	"	"	"	R-07
Aniline	ND	300000	"	"	"	"	"	"	R-07
2-Chlorophenol	ND	1000000	"	"	"	"	"	"	R-07
1,4-Dichlorobenzene	ND	300000	"	"	"	"	"	"	R-07
N-Nitrosodi-n-propylamine	ND	300000	"	"	"	"	"	"	R-07
1,2,4-Trichlorobenzene	ND	300000	"	"	"	"	"	"	R-07
4-Chloro-3-methylphenol	ND	1000000	"	"	"	"	"	"	R-07
2-Methylnaphthalene	ND	300000	"	"	"	"	"	"	R-07
1-Methylnaphthalene	ND	300000	"	"	"	"	"	"	R-07
Acenaphthene	ND	300000	"	"	"	"	"	"	R-07
4-Nitrophenol	ND	1000000	"	"	"	"	"	"	R-07
2,4-Dinitrotoluene	ND	300000	"	"	"	"	"	"	R-07
Pentachlorophenol	ND	1000000	"	"	"	"	"	"	R-07
Pyrene	ND	300000	"	"	"	"	"	"	R-07
Acenaphthylene	ND	300000	"	"	"	"	"	"	R-07
Anthracene	ND	300000	"	"	"	"	"	"	R-07
Benzo (a) anthracene	ND	300000	"	"	"	"	"	"	R-07
Benzo (b) fluoranthene	ND	300000	"	"	"	"	"	"	R-07
Benzo (k) fluoranthene	ND	300000	"	"	"	"	"	"	R-07

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T183753-01 (Soil)

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Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (g,h,i) perylene	ND	1000000	ug/kg	1000	8121932	12/19/18	12/27/18	EPA 8270C	R-07
Benzo (a) pyrene	ND	300000	"	"	"	"	"	"	R-07
Benzyl alcohol	ND	300000	"	"	"	"	"	"	R-07
Bis(2-chloroethoxy)methane	ND	300000	"	"	"	"	"	"	R-07
Bis(2-chloroethyl)ether	ND	300000	"	"	"	"	"	"	R-07
Bis(2-chloroisopropyl)ether	ND	300000	"	"	"	"	"	"	R-07
Bis(2-ethylhexyl)phthalate	ND	300000	"	"	"	"	"	"	R-07
4-Bromophenyl phenyl ether	ND	300000	"	"	"	"	"	"	R-07
Butyl benzyl phthalate	ND	300000	"	"	"	"	"	"	R-07
4-Chloroaniline	ND	300000	"	"	"	"	"	"	R-07
2-Chloronaphthalene	ND	300000	"	"	"	"	"	"	R-07
4-Chlorophenyl phenyl ether	ND	300000	"	"	"	"	"	"	R-07
Chrysene	ND	300000	"	"	"	"	"	"	R-07
Dibenz (a,h) anthracene	ND	300000	"	"	"	"	"	"	R-07
Dibenzofuran	ND	300000	"	"	"	"	"	"	R-07
Di-n-butyl phthalate	ND	300000	"	"	"	"	"	"	R-07
1,2-Dichlorobenzene	ND	300000	"	"	"	"	"	"	R-07
1,3-Dichlorobenzene	ND	300000	"	"	"	"	"	"	R-07
2,4-Dichlorophenol	ND	1000000	"	"	"	"	"	"	R-07
Diethyl phthalate	ND	300000	"	"	"	"	"	"	R-07
2,4-Dimethylphenol	ND	1000000	"	"	"	"	"	"	R-07
Dimethyl phthalate	ND	300000	"	"	"	"	"	"	R-07
4,6-Dinitro-2-methylphenol	ND	1000000	"	"	"	"	"	"	R-07
2,4-Dinitrophenol	ND	1000000	"	"	"	"	"	"	R-07
2,6-Dinitrotoluene	ND	1000000	"	"	"	"	"	"	R-07
Di-n-octyl phthalate	ND	300000	"	"	"	"	"	"	R-07
Fluoranthene	ND	300000	"	"	"	"	"	"	R-07
Fluorene	ND	300000	"	"	"	"	"	"	R-07
Hexachlorobenzene	ND	1500000	"	"	"	"	"	"	R-07
Hexachlorobutadiene	ND	300000	"	"	"	"	"	"	R-07
Hexachlorocyclopentadiene	ND	1000000	"	"	"	"	"	"	R-07
Hexachloroethane	ND	300000	"	"	"	"	"	"	R-07

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

B5@1

T183753-01 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Indeno (1,2,3-cd) pyrene	ND	300000	ug/kg	1000	8121932	12/19/18	12/27/18	EPA 8270C	R-07
Isophorone	ND	300000	"	"	"	"	"	"	R-07
2-Methylphenol	ND	1000000	"	"	"	"	"	"	R-07
4-Methylphenol	ND	1000000	"	"	"	"	"	"	R-07
Naphthalene	ND	300000	"	"	"	"	"	"	R-07
2-Nitroaniline	ND	300000	"	"	"	"	"	"	R-07
3-Nitroaniline	ND	300000	"	"	"	"	"	"	R-07
4-Nitroaniline	ND	300000	"	"	"	"	"	"	R-07
Nitrobenzene	ND	1000000	"	"	"	"	"	"	R-07
2-Nitrophenol	ND	1000000	"	"	"	"	"	"	R-07
N-Nitrosodimethylamine	ND	300000	"	"	"	"	"	"	R-07
N-Nitrosodiphenylamine	ND	300000	"	"	"	"	"	"	R-07
2,3,5,6-Tetrachlorophenol	ND	300000	"	"	"	"	"	"	R-07
2,3,4,6-Tetrachlorophenol	ND	300000	"	"	"	"	"	"	R-07
Phenanthrene	ND	300000	"	"	"	"	"	"	R-07
Azobenzene	ND	300000	"	"	"	"	"	"	R-07
Pyridine	ND	300000	"	"	"	"	"	"	R-07
2,4,5-Trichlorophenol	ND	1000000	"	"	"	"	"	"	R-07
2,4,6-Trichlorophenol	ND	1000000	"	"	"	"	"	"	R-07
Surrogate: 2-Fluorophenol		*%*	*15-121*		"	"	"	"	*S-01*
Surrogate: Phenol-d6		*%*	*24-113*		"	"	"	"	*S-01*
Surrogate: Nitrobenzene-d5		*%*	*21.3-119*		"	"	"	"	*S-01*
Surrogate: 2-Fluorobiphenyl		*%*	*32.4-102*		"	"	"	"	*S-01*
Surrogate: 2,4,6-Tribromophenol		*%*	*18.1-105*		"	"	"	"	*S-01*
Surrogate: Terphenyl-dl4		*%*	*29.1-130*		"	"	"	"	*S-01*

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

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T183753-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015B									
C4-C12 (GRO)	ND	590	ug/kg	1	8121930	12/19/18	12/26/18	EPA 8015B/5035	
Surrogate: a,a,a-Trifluorotoluene		*69.8 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015B									
C13-C22 (DRO)	ND	10	mg/kg	1	8122128	12/21/18	12/22/18	EPA 8015B	
C23-C32 (MORO)	**52**	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*85.3 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	8121831	12/18/18	12/19/18	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	**7.6**	5.0	"	"	"	"	"	"	
Barium	**150**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	12/19/18	"	
Cadmium	ND	2.0	"	"	"	"	12/19/18	"	
Chromium	**16**	2.0	"	"	"	"	"	"	
Cobalt	**11**	2.0	"	"	"	"	"	"	
Copper	**24**	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	**9.3**	5.0	"	"	"	"	"	"	
Nickel	**20**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**35**	5.0	"	"	"	"	"	"	
Zinc	**46**	1.0	"	"	"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

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T183753-02 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	8121829	12/18/18	12/19/18	EPA 7471A Soil	
Organochlorine Pesticides by EPA Method 8081A									
alpha-BHC	ND	5.0	ug/kg	1	8121923	12/19/18	12/26/18	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*76.1 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*85.6 %*	*35-140*		"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

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T183753-02 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	10	ug/kg	1	8122129	12/21/18	12/27/18	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*82.8 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*80.5 %*	*35-140*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.9	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
Bromochloromethane	ND	5.9	"	"	"	"	"	"	
Bromodichloromethane	ND	5.9	"	"	"	"	"	"	
Bromoform	ND	5.9	"	"	"	"	"	"	
Bromomethane	ND	5.9	"	"	"	"	"	"	
n-Butylbenzene	ND	5.9	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.9	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.9	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.9	"	"	"	"	"	"	
Chlorobenzene	ND	5.9	"	"	"	"	"	"	
Chloroethane	ND	5.9	"	"	"	"	"	"	
Chloroform	ND	5.9	"	"	"	"	"	"	
Chloromethane	ND	5.9	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.9	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.9	"	"	"	"	"	"	
Dibromochloromethane	ND	5.9	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	12	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.9	"	"	"	"	"	"	
Dibromomethane	ND	5.9	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.9	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.9	"	"	"	"	"	"	

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T183753-02 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	5.9	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
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	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.9	"	"	"	"	"	"	
Isopropylbenzene	ND	5.9	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.9	"	"	"	"	"	"	
Methylene chloride	ND	5.9	"	"	"	"	"	"	
Naphthalene	ND	5.9	"	"	"	"	"	"	
n-Propylbenzene	ND	5.9	"	"	"	"	"	"	
Styrene	ND	5.9	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.9	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.9	"	"	"	"	"	"	
Tetrachloroethene	ND	5.9	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.9	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.9	"	"	"	"	"	"	
Trichloroethene	ND	5.9	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.9	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.9	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.9	"	"	"	"	"	"	

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B5@5

T183753-02 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
1,2,4-Trimethylbenzene	ND	5.9	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
Vinyl chloride	ND	5.9	"	"	"	"	"	"	
Benzene	ND	5.9	"	"	"	"	"	"	
Toluene	ND	5.9	"	"	"	"	"	"	
Ethylbenzene	**5.9**	5.9	"	"	"	"	"	"	
m,p-Xylene	ND	12	"	"	"	"	"	"	
o-Xylene	ND	5.9	"	"	"	"	"	"	
Surrogate: Toluene-d8		*95.4 %*	*76.1-127*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*85.9-114*		"	"	"	"	
Surrogate: Dibromofluoromethane		*98.4 %*	*77.8-142*		"	"	"	"	
Semivolatile Organic Compounds by EPA Method 8270C									
Carbazole	ND	30000	ug/kg	100	8121932	12/19/18	12/27/18	EPA 8270C	R-07
Phenol	ND	100000	"	"	"	"	"	"	R-07
Aniline	ND	30000	"	"	"	"	"	"	R-07
2-Chlorophenol	ND	100000	"	"	"	"	"	"	R-07
1,4-Dichlorobenzene	ND	30000	"	"	"	"	"	"	R-07
N-Nitrosodi-n-propylamine	ND	30000	"	"	"	"	"	"	R-07
1,2,4-Trichlorobenzene	ND	30000	"	"	"	"	"	"	R-07
4-Chloro-3-methylphenol	ND	100000	"	"	"	"	"	"	R-07
2-Methylnaphthalene	ND	30000	"	"	"	"	"	"	R-07
1-Methylnaphthalene	ND	30000	"	"	"	"	"	"	R-07
Acenaphthene	ND	30000	"	"	"	"	"	"	R-07
4-Nitrophenol	ND	100000	"	"	"	"	"	"	R-07
2,4-Dinitrotoluene	ND	30000	"	"	"	"	"	"	R-07
Pentachlorophenol	ND	100000	"	"	"	"	"	"	R-07
Pyrene	ND	30000	"	"	"	"	"	"	R-07
Acenaphthylene	ND	30000	"	"	"	"	"	"	R-07
Anthracene	ND	30000	"	"	"	"	"	"	R-07
Benzo (a) anthracene	ND	30000	"	"	"	"	"	"	R-07
Benzo (b) fluoranthene	ND	30000	"	"	"	"	"	"	R-07
Benzo (k) fluoranthene	ND	30000	"	"	"	"	"	"	R-07

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T183753-02 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (g,h,i) perylene	ND	100000	ug/kg	100	8121932	12/19/18	12/27/18	EPA 8270C	R-07
Benzo (a) pyrene	ND	30000	"	"	"	"	"	"	R-07
Benzyl alcohol	ND	30000	"	"	"	"	"	"	R-07
Bis(2-chloroethoxy)methane	ND	30000	"	"	"	"	"	"	R-07
Bis(2-chloroethyl)ether	ND	30000	"	"	"	"	"	"	R-07
Bis(2-chloroisopropyl)ether	ND	30000	"	"	"	"	"	"	R-07
Bis(2-ethylhexyl)phthalate	ND	30000	"	"	"	"	"	"	R-07
4-Bromophenyl phenyl ether	ND	30000	"	"	"	"	"	"	R-07
Butyl benzyl phthalate	ND	30000	"	"	"	"	"	"	R-07
4-Chloroaniline	ND	30000	"	"	"	"	"	"	R-07
2-Chloronaphthalene	ND	30000	"	"	"	"	"	"	R-07
4-Chlorophenyl phenyl ether	ND	30000	"	"	"	"	"	"	R-07
Chrysene	ND	30000	"	"	"	"	"	"	R-07
Dibenz (a,h) anthracene	ND	30000	"	"	"	"	"	"	R-07
Dibenzofuran	ND	30000	"	"	"	"	"	"	R-07
Di-n-butyl phthalate	ND	30000	"	"	"	"	"	"	R-07
1,2-Dichlorobenzene	ND	30000	"	"	"	"	"	"	R-07
1,3-Dichlorobenzene	ND	30000	"	"	"	"	"	"	R-07
2,4-Dichlorophenol	ND	100000	"	"	"	"	"	"	R-07
Diethyl phthalate	ND	30000	"	"	"	"	"	"	R-07
2,4-Dimethylphenol	ND	100000	"	"	"	"	"	"	R-07
Dimethyl phthalate	ND	30000	"	"	"	"	"	"	R-07
4,6-Dinitro-2-methylphenol	ND	100000	"	"	"	"	"	"	R-07
2,4-Dinitrophenol	ND	100000	"	"	"	"	"	"	R-07
2,6-Dinitrotoluene	ND	100000	"	"	"	"	"	"	R-07
Di-n-octyl phthalate	ND	30000	"	"	"	"	"	"	R-07
Fluoranthene	ND	30000	"	"	"	"	"	"	R-07
Fluorene	ND	30000	"	"	"	"	"	"	R-07
Hexachlorobenzene	ND	150000	"	"	"	"	"	"	R-07
Hexachlorobutadiene	ND	30000	"	"	"	"	"	"	R-07
Hexachlorocyclopentadiene	ND	100000	"	"	"	"	"	"	R-07
Hexachloroethane	ND	30000	"	"	"	"	"	"	R-07

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

B5@5

T183753-02 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Indeno (1,2,3-cd) pyrene	ND	30000	ug/kg	100	8121932	12/19/18	12/27/18	EPA 8270C	R-07
Isophorone	ND	30000	"	"	"	"	"	"	R-07
2-Methylphenol	ND	100000	"	"	"	"	"	"	R-07
4-Methylphenol	ND	100000	"	"	"	"	"	"	R-07
Naphthalene	ND	30000	"	"	"	"	"	"	R-07
2-Nitroaniline	ND	30000	"	"	"	"	"	"	R-07
3-Nitroaniline	ND	30000	"	"	"	"	"	"	R-07
4-Nitroaniline	ND	30000	"	"	"	"	"	"	R-07
Nitrobenzene	ND	100000	"	"	"	"	"	"	R-07
2-Nitrophenol	ND	100000	"	"	"	"	"	"	R-07
N-Nitrosodimethylamine	ND	30000	"	"	"	"	"	"	R-07
N-Nitrosodiphenylamine	ND	30000	"	"	"	"	"	"	R-07
2,3,5,6-Tetrachlorophenol	ND	30000	"	"	"	"	"	"	R-07
2,3,4,6-Tetrachlorophenol	ND	30000	"	"	"	"	"	"	R-07
Phenanthrene	ND	30000	"	"	"	"	"	"	R-07
Azobenzene	ND	30000	"	"	"	"	"	"	R-07
Pyridine	ND	30000	"	"	"	"	"	"	R-07
2,4,5-Trichlorophenol	ND	100000	"	"	"	"	"	"	R-07
2,4,6-Trichlorophenol	ND	100000	"	"	"	"	"	"	R-07
Surrogate: 2-Fluorophenol		*46.0 %*	*15-121*		"	"	"	"	
Surrogate: Phenol-d6		*33.0 %*	*24-113*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*53.0 %*	*21.3-119*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*55.0 %*	*32.4-102*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*41.0 %*	*18.1-105*		"	"	"	"	
Surrogate: Terphenyl-dl4		*86.0 %*	*29.1-130*		"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

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T183753-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015B									
C4-C12 (GRO)	ND	510	ug/kg	1	8121930	12/19/18	12/26/18	EPA 8015B/5035	
Surrogate: a,a,a-Trifluorotoluene		*68.1 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015B									
C13-C22 (DRO)	ND	10	mg/kg	1	8122128	12/21/18	12/22/18	EPA 8015B	
C23-C32 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*75.1 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	8121831	12/18/18	12/19/18	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	**8.2**	5.0	"	"	"	"	"	"	
Barium	**56**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	12/19/18	"	
Cadmium	ND	2.0	"	"	"	"	12/19/18	"	
Chromium	**16**	2.0	"	"	"	"	"	"	
Cobalt	**11**	2.0	"	"	"	"	"	"	
Copper	**29**	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	**11**	5.0	"	"	"	"	"	"	
Nickel	**22**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**37**	5.0	"	"	"	"	"	"	
Zinc	**60**	1.0	"	"	"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

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T183753-03 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	8121829	12/18/18	12/19/18	EPA 7471A Soil	
Organochlorine Pesticides by EPA Method 8081A									
alpha-BHC	ND	5.0	ug/kg	1	8121923	12/19/18	12/26/18	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4´-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4´-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4´-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*74.2 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*83.8 %*	*35-140*		"	"	"	"	

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T183753-03 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	10	ug/kg	1	8122129	12/21/18	12/27/18	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*76.3 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*76.7 %*	*35-140*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	4.6	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
Bromochloromethane	ND	4.6	"	"	"	"	"	"	
Bromodichloromethane	ND	4.6	"	"	"	"	"	"	
Bromoform	ND	4.6	"	"	"	"	"	"	
Bromomethane	ND	4.6	"	"	"	"	"	"	
n-Butylbenzene	ND	4.6	"	"	"	"	"	"	
sec-Butylbenzene	ND	4.6	"	"	"	"	"	"	
tert-Butylbenzene	ND	4.6	"	"	"	"	"	"	
Carbon tetrachloride	ND	4.6	"	"	"	"	"	"	
Chlorobenzene	ND	4.6	"	"	"	"	"	"	
Chloroethane	ND	4.6	"	"	"	"	"	"	
Chloroform	ND	4.6	"	"	"	"	"	"	
Chloromethane	ND	4.6	"	"	"	"	"	"	
2-Chlorotoluene	ND	4.6	"	"	"	"	"	"	
4-Chlorotoluene	ND	4.6	"	"	"	"	"	"	
Dibromochloromethane	ND	4.6	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	9.3	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	4.6	"	"	"	"	"	"	
Dibromomethane	ND	4.6	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	4.6	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	4.6	"	"	"	"	"	"	

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T183753-03 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	4.6	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
Dichlorodifluoromethane	ND	4.6	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.6	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.6	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.6	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.6	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.6	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.6	"	"	"	"	"	"	
1,3-Dichloropropane	ND	4.6	"	"	"	"	"	"	
2,2-Dichloropropane	ND	4.6	"	"	"	"	"	"	
1,1-Dichloropropene	ND	4.6	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
Hexachlorobutadiene	ND	4.6	"	"	"	"	"	"	
Isopropylbenzene	ND	4.6	"	"	"	"	"	"	
p-Isopropyltoluene	ND	4.6	"	"	"	"	"	"	
Methylene chloride	ND	4.6	"	"	"	"	"	"	
Naphthalene	ND	4.6	"	"	"	"	"	"	
n-Propylbenzene	ND	4.6	"	"	"	"	"	"	
Styrene	ND	4.6	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	4.6	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	4.6	"	"	"	"	"	"	
Tetrachloroethene	ND	4.6	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	4.6	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	4.6	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	4.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	4.6	"	"	"	"	"	"	
Trichloroethene	ND	4.6	"	"	"	"	"	"	
Trichlorofluoromethane	ND	4.6	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	4.6	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	4.6	"	"	"	"	"	"	

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T183753-03 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
1,2,4-Trimethylbenzene	ND	4.6	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
Vinyl chloride	ND	4.6	"	"	"	"	"	"	
Benzene	ND	4.6	"	"	"	"	"	"	
Toluene	ND	4.6	"	"	"	"	"	"	
Ethylbenzene	ND	4.6	"	"	"	"	"	"	
m,p-Xylene	ND	9.3	"	"	"	"	"	"	
o-Xylene	ND	4.6	"	"	"	"	"	"	
Surrogate: Toluene-d8		*93.8 %*		*76.1-127*	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*		*85.9-114*	"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*		*77.8-142*	"	"	"	"	
Semivolatile Organic Compounds by EPA Method 8270C									
Carbazole	ND	30000	ug/kg	100	8121932	12/19/18	12/27/18	EPA 8270C	R-07
Phenol	ND	100000	"	"	"	"	"	"	R-07
Aniline	ND	30000	"	"	"	"	"	"	R-07
2-Chlorophenol	ND	100000	"	"	"	"	"	"	R-07
1,4-Dichlorobenzene	ND	30000	"	"	"	"	"	"	R-07
N-Nitrosodi-n-propylamine	ND	30000	"	"	"	"	"	"	R-07
1,2,4-Trichlorobenzene	ND	30000	"	"	"	"	"	"	R-07
4-Chloro-3-methylphenol	ND	100000	"	"	"	"	"	"	R-07
2-Methylnaphthalene	ND	30000	"	"	"	"	"	"	R-07
1-Methylnaphthalene	ND	30000	"	"	"	"	"	"	R-07
Acenaphthene	ND	30000	"	"	"	"	"	"	R-07
4-Nitrophenol	ND	100000	"	"	"	"	"	"	R-07
2,4-Dinitrotoluene	ND	30000	"	"	"	"	"	"	R-07
Pentachlorophenol	ND	100000	"	"	"	"	"	"	R-07
Pyrene	ND	30000	"	"	"	"	"	"	R-07
Acenaphthylene	ND	30000	"	"	"	"	"	"	R-07
Anthracene	ND	30000	"	"	"	"	"	"	R-07
Benzo (a) anthracene	ND	30000	"	"	"	"	"	"	R-07
Benzo (b) fluoranthene	ND	30000	"	"	"	"	"	"	R-07
Benzo (k) fluoranthene	ND	30000	"	"	"	"	"	"	R-07

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T183753-03 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (g,h,i) perylene	ND	100000	ug/kg	100	8121932	12/19/18	12/27/18	EPA 8270C	R-07
Benzo (a) pyrene	ND	30000	"	"	"	"	"	"	R-07
Benzyl alcohol	ND	30000	"	"	"	"	"	"	R-07
Bis(2-chloroethoxy)methane	ND	30000	"	"	"	"	"	"	R-07
Bis(2-chloroethyl)ether	ND	30000	"	"	"	"	"	"	R-07
Bis(2-chloroisopropyl)ether	ND	30000	"	"	"	"	"	"	R-07
Bis(2-ethylhexyl)phthalate	ND	30000	"	"	"	"	"	"	R-07
4-Bromophenyl phenyl ether	ND	30000	"	"	"	"	"	"	R-07
Butyl benzyl phthalate	ND	30000	"	"	"	"	"	"	R-07
4-Chloroaniline	ND	30000	"	"	"	"	"	"	R-07
2-Chloronaphthalene	ND	30000	"	"	"	"	"	"	R-07
4-Chlorophenyl phenyl ether	ND	30000	"	"	"	"	"	"	R-07
Chrysene	ND	30000	"	"	"	"	"	"	R-07
Dibenz (a,h) anthracene	ND	30000	"	"	"	"	"	"	R-07
Dibenzofuran	ND	30000	"	"	"	"	"	"	R-07
Di-n-butyl phthalate	ND	30000	"	"	"	"	"	"	R-07
1,2-Dichlorobenzene	ND	30000	"	"	"	"	"	"	R-07
1,3-Dichlorobenzene	ND	30000	"	"	"	"	"	"	R-07
2,4-Dichlorophenol	ND	100000	"	"	"	"	"	"	R-07
Diethyl phthalate	ND	30000	"	"	"	"	"	"	R-07
2,4-Dimethylphenol	ND	100000	"	"	"	"	"	"	R-07
Dimethyl phthalate	ND	30000	"	"	"	"	"	"	R-07
4,6-Dinitro-2-methylphenol	ND	100000	"	"	"	"	"	"	R-07
2,4-Dinitrophenol	ND	100000	"	"	"	"	"	"	R-07
2,6-Dinitrotoluene	ND	100000	"	"	"	"	"	"	R-07
Di-n-octyl phthalate	ND	30000	"	"	"	"	"	"	R-07
Fluoranthene	ND	30000	"	"	"	"	"	"	R-07
Fluorene	ND	30000	"	"	"	"	"	"	R-07
Hexachlorobenzene	ND	150000	"	"	"	"	"	"	R-07
Hexachlorobutadiene	ND	30000	"	"	"	"	"	"	R-07
Hexachlorocyclopentadiene	ND	100000	"	"	"	"	"	"	R-07
Hexachloroethane	ND	30000	"	"	"	"	"	"	R-07

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Joann Marroquin

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

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T183753-03 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Indeno (1,2,3-cd) pyrene	ND	30000	ug/kg	100	8121932	12/19/18	12/27/18	EPA 8270C	R-07
Isophorone	ND	30000	"	"	"	"	"	"	R-07
2-Methylphenol	ND	100000	"	"	"	"	"	"	R-07
4-Methylphenol	ND	100000	"	"	"	"	"	"	R-07
Naphthalene	ND	30000	"	"	"	"	"	"	R-07
2-Nitroaniline	ND	30000	"	"	"	"	"	"	R-07
3-Nitroaniline	ND	30000	"	"	"	"	"	"	R-07
4-Nitroaniline	ND	30000	"	"	"	"	"	"	R-07
Nitrobenzene	ND	100000	"	"	"	"	"	"	R-07
2-Nitrophenol	ND	100000	"	"	"	"	"	"	R-07
N-Nitrosodimethylamine	ND	30000	"	"	"	"	"	"	R-07
N-Nitrosodiphenylamine	ND	30000	"	"	"	"	"	"	R-07
2,3,5,6-Tetrachlorophenol	ND	30000	"	"	"	"	"	"	R-07
2,3,4,6-Tetrachlorophenol	ND	30000	"	"	"	"	"	"	R-07
Phenanthrene	ND	30000	"	"	"	"	"	"	R-07
Azobenzene	ND	30000	"	"	"	"	"	"	R-07
Pyridine	ND	30000	"	"	"	"	"	"	R-07
2,4,5-Trichlorophenol	ND	100000	"	"	"	"	"	"	R-07
2,4,6-Trichlorophenol	ND	100000	"	"	"	"	"	"	R-07
Surrogate: 2-Fluorophenol		*42.0 %*	*15-121*		"	"	"	"	
Surrogate: Phenol-d6		*23.0 %*	*24-113*		"	"	"	"	*S-01*
Surrogate: Nitrobenzene-d5		*52.0 %*	*21.3-119*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*68.0 %*	*32.4-102*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*29.0 %*	*18.1-105*		"	"	"	"	
Surrogate: Terphenyl-dl4		*92.0 %*	*29.1-130*		"	"	"	"	

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24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

B5@15

T183753-04 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015B									
C4-C12 (GRO)	ND	460	ug/kg	1	8121930	12/19/18	12/26/18	EPA 8015B/5035	
Surrogate: a,a,a-Trifluorotoluene		*67.2 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015B									
C13-C22 (DRO)	ND	10	mg/kg	1	8122128	12/21/18	12/22/18	EPA 8015B	
C23-C32 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*83.2 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	8121831	12/18/18	12/19/18	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	**21**	5.0	"	"	"	"	"	"	
Barium	**63**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	12/19/18	"	
Cadmium	ND	2.0	"	"	"	"	12/19/18	"	
Chromium	**22**	2.0	"	"	"	"	"	"	
Cobalt	**15**	2.0	"	"	"	"	"	"	
Copper	**50**	1.0	"	"	"	"	"	"	
Lead	**9.4**	3.0	"	"	"	"	"	"	
Molybdenum	**19**	5.0	"	"	"	"	"	"	
Nickel	**33**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**58**	5.0	"	"	"	"	"	"	
Zinc	**97**	1.0	"	"	"	"	"	"	

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T183753-04 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	8121829	12/18/18	12/19/18	EPA 7471A Soil	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.1	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
Bromochloromethane	ND	5.1	"	"	"	"	"	"	
Bromodichloromethane	ND	5.1	"	"	"	"	"	"	
Bromoform	ND	5.1	"	"	"	"	"	"	
Bromomethane	ND	5.1	"	"	"	"	"	"	
n-Butylbenzene	ND	5.1	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.1	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.1	"	"	"	"	"	"	
Chlorobenzene	ND	5.1	"	"	"	"	"	"	
Chloroethane	ND	5.1	"	"	"	"	"	"	
Chloroform	ND	5.1	"	"	"	"	"	"	
Chloromethane	ND	5.1	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.1	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.1	"	"	"	"	"	"	
Dibromochloromethane	ND	5.1	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.1	"	"	"	"	"	"	
Dibromomethane	ND	5.1	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.1	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.1	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.1	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.1	"	"	"	"	"	"	

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T183753-04 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	5.1	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
1,3-Dichloropropane	ND	5.1	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.1	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.1	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.1	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.1	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.1	"	"	"	"	"	"	
Isopropylbenzene	ND	5.1	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.1	"	"	"	"	"	"	
Methylene chloride	ND	5.1	"	"	"	"	"	"	
Naphthalene	ND	5.1	"	"	"	"	"	"	
n-Propylbenzene	ND	5.1	"	"	"	"	"	"	
Styrene	ND	5.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.1	"	"	"	"	"	"	
Tetrachloroethene	ND	5.1	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.1	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.1	"	"	"	"	"	"	
Trichloroethene	ND	5.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.1	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.1	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.1	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.1	"	"	"	"	"	"	
Vinyl chloride	ND	5.1	"	"	"	"	"	"	
Benzene	ND	5.1	"	"	"	"	"	"	
Toluene	ND	5.1	"	"	"	"	"	"	
Ethylbenzene	**6.7**	5.1	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.1	"	"	"	"	"	"	

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T183753-04 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
Surrogate: Toluene-d8		*92.8 %*		*76.1-127*	*8121928*	*12/19/18*	*12/21/18*	*EPA 8260B/5035*	
Surrogate: 4-Bromofluorobenzene		*96.5 %*		*85.9-114*	"	"	"	"	
Surrogate: Dibromofluoromethane		*97.6 %*		*77.8-142*	"	"	"	"	
Semivolatile Organic Compounds by EPA Method 8270C									
Carbazole	ND	300	ug/kg	1	8121932	12/19/18	12/27/18	EPA 8270C	
Phenol	ND	1000	"	"	"	"	"	"	
Aniline	ND	300	"	"	"	"	"	"	
2-Chlorophenol	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1000	"	"	"	"	"	"	
2-Methylnaphthalene	ND	300	"	"	"	"	"	"	
1-Methylnaphthalene	ND	300	"	"	"	"	"	"	
Acenaphthene	ND	300	"	"	"	"	"	"	
4-Nitrophenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	300	"	"	"	"	"	"	
Pentachlorophenol	ND	1000	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Benzyl alcohol	ND	300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	300	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	300	"	"	"	"	"	"	

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T183753-04 (Soil)

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Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4-Bromophenyl phenyl ether	ND	300	ug/kg	1	8121932	12/19/18	12/27/18	EPA 8270C	
Butyl benzyl phthalate	ND	300	"	"	"	"	"	"	
4-Chloroaniline	ND	300	"	"	"	"	"	"	
2-Chloronaphthalene	ND	300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Dibenzofuran	ND	300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1000	"	"	"	"	"	"	
Diethyl phthalate	ND	300	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1000	"	"	"	"	"	"	
Dimethyl phthalate	ND	300	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Hexachlorobenzene	ND	1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND	300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	1000	"	"	"	"	"	"	
Hexachloroethane	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"	
Isophorone	ND	300	"	"	"	"	"	"	
2-Methylphenol	ND	1000	"	"	"	"	"	"	
4-Methylphenol	ND	1000	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
2-Nitroaniline	ND	300	"	"	"	"	"	"	
3-Nitroaniline	ND	300	"	"	"	"	"	"	

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T183753-04 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4-Nitroaniline	ND	300	ug/kg	1	8121932	12/19/18	12/27/18	EPA 8270C	
Nitrobenzene	ND	1000	"	"	"	"	"	"	
2-Nitrophenol	ND	1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
Azobenzene	ND	300	"	"	"	"	"	"	
Pyridine	ND	300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	1000	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*62.8 %*	*15-121*		"	"	"	"	
Surrogate: Phenol-d6		*60.8 %*	*24-113*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*63.7 %*	*21.3-119*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*68.7 %*	*32.4-102*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*88.6 %*	*18.1-105*		"	"	"	"	
Surrogate: Terphenyl-dl4		*99.3 %*	*29.1-130*		"	"	"	"	

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T183753-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015B									
C4-C12 (GRO)	ND	530	ug/kg	1	8121930	12/19/18	12/26/18	EPA 8015B/5035	
Surrogate: a,a,a-Trifluorotoluene		*80.9 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015B									
C13-C22 (DRO)	ND	10	mg/kg	1	8122128	12/21/18	12/22/18	EPA 8015B	
C23-C32 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*85.9 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	8121831	12/18/18	12/19/18	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	**8.3**	5.0	"	"	"	"	"	"	
Barium	**63**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	**15**	2.0	"	"	"	"	"	"	
Cobalt	**12**	2.0	"	"	"	"	"	"	
Copper	**23**	1.0	"	"	"	"	"	"	
Lead	**8.9**	3.0	"	"	"	"	"	"	
Molybdenum	**11**	5.0	"	"	"	"	"	"	
Nickel	**20**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**31**	5.0	"	"	"	"	"	"	
Zinc	**60**	1.0	"	"	"	"	"	"	

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T183753-05 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	8121829	12/18/18	12/19/18	EPA 7471A Soil	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.2	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
Bromochloromethane	ND	5.2	"	"	"	"	"	"	
Bromodichloromethane	ND	5.2	"	"	"	"	"	"	
Bromoform	ND	5.2	"	"	"	"	"	"	
Bromomethane	ND	5.2	"	"	"	"	"	"	
n-Butylbenzene	ND	5.2	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.2	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.2	"	"	"	"	"	"	
Chlorobenzene	ND	5.2	"	"	"	"	"	"	
Chloroethane	ND	5.2	"	"	"	"	"	"	
Chloroform	ND	5.2	"	"	"	"	"	"	
Chloromethane	ND	5.2	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.2	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.2	"	"	"	"	"	"	
Dibromochloromethane	ND	5.2	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.2	"	"	"	"	"	"	
Dibromomethane	ND	5.2	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.2	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.2	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.2	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.2	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.2	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.2	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.2	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.2	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.2	"	"	"	"	"	"	

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24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

B5@17

T183753-05 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	5.2	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
1,3-Dichloropropane	ND	5.2	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.2	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.2	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.2	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.2	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.2	"	"	"	"	"	"	
Isopropylbenzene	ND	5.2	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.2	"	"	"	"	"	"	
Methylene chloride	ND	5.2	"	"	"	"	"	"	
Naphthalene	ND	5.2	"	"	"	"	"	"	
n-Propylbenzene	ND	5.2	"	"	"	"	"	"	
Styrene	ND	5.2	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.2	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.2	"	"	"	"	"	"	
Tetrachloroethene	ND	5.2	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.2	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.2	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.2	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.2	"	"	"	"	"	"	
Trichloroethene	ND	5.2	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.2	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.2	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.2	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.2	"	"	"	"	"	"	
Vinyl chloride	ND	5.2	"	"	"	"	"	"	
Benzene	ND	5.2	"	"	"	"	"	"	
Toluene	ND	5.2	"	"	"	"	"	"	
Ethylbenzene	ND	5.2	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.2	"	"	"	"	"	"	

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B5@17

T183753-05 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
Surrogate: Toluene-d8		*93.3 %*		*76.1-127*	*8121928*	*12/19/18*	*12/21/18*	*EPA 8260B/5035*	
Surrogate: 4-Bromofluorobenzene		*103 %*		*85.9-114*	*"*	*"*	*"*	*"*	
Surrogate: Dibromofluoromethane		*95.7 %*		*77.8-142*	*"*	*"*	*"*	*"*	

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T183753-06 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015B									
C4-C12 (GRO)	ND	480	ug/kg	1	8121930	12/19/18	12/26/18	EPA 8015B/5035	
Surrogate: a,a,a-Trifluorotoluene		*75.0 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015B									
C13-C22 (DRO)	ND	10	mg/kg	1	8122128	12/21/18	12/22/18	EPA 8015B	
C23-C32 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*93.3 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	8121831	12/18/18	12/19/18	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	**8.1**	5.0	"	"	"	"	"	"	
Barium	**120**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	12/19/18	"	
Cadmium	ND	2.0	"	"	"	"	12/19/18	"	
Chromium	**17**	2.0	"	"	"	"	"	"	
Cobalt	**13**	2.0	"	"	"	"	"	"	
Copper	**25**	1.0	"	"	"	"	"	"	
Lead	**8.8**	3.0	"	"	"	"	"	"	
Molybdenum	**8.3**	5.0	"	"	"	"	"	"	
Nickel	**25**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**43**	5.0	"	"	"	"	"	"	
Zinc	**48**	1.0	"	"	"	"	"	"	

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T183753-06 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	8121829	12/18/18	12/19/18	EPA 7471A Soil	
Organochlorine Pesticides by EPA Method 8081A									
alpha-BHC	ND	25	ug/kg	5	8121923	12/19/18	12/26/18	EPA 8081A	R-07
gamma-BHC (Lindane)	ND	25	"	"	"	"	"	"	R-07
beta-BHC	ND	25	"	"	"	"	"	"	R-07
delta-BHC	ND	25	"	"	"	"	"	"	R-07
Heptachlor	ND	25	"	"	"	"	"	"	R-07
Aldrin	ND	25	"	"	"	"	"	"	R-07
Heptachlor epoxide	ND	25	"	"	"	"	"	"	R-07
gamma-Chlordane	ND	25	"	"	"	"	"	"	R-07
alpha-Chlordane	ND	25	"	"	"	"	"	"	R-07
Endosulfan I	ND	25	"	"	"	"	"	"	R-07
4,4´-DDE	ND	25	"	"	"	"	"	"	R-07
Dieldrin	ND	25	"	"	"	"	"	"	R-07
Endrin	ND	25	"	"	"	"	"	"	R-07
4,4´-DDD	ND	25	"	"	"	"	"	"	R-07
Endosulfan II	ND	25	"	"	"	"	"	"	R-07
4,4´-DDT	ND	25	"	"	"	"	"	"	R-07
Endrin aldehyde	ND	25	"	"	"	"	"	"	R-07
Endosulfan sulfate	ND	25	"	"	"	"	"	"	R-07
Methoxychlor	ND	25	"	"	"	"	"	"	R-07
Endrin ketone	ND	25	"	"	"	"	"	"	R-07
Toxaphene	ND	100	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		*64.2 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*77.1 %*	*35-140*		"	"	"	"	

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B6@1

T183753-06 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	10	ug/kg	1	8122129	12/21/18	12/27/18	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*84.0 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*77.6 %*	*35-140*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	4.5	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
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	9.1	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	4.5	"	"	"	"	"	"	
Dibromomethane	ND	4.5	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	4.5	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	4.5	"	"	"	"	"	"	

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T183753-06 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	4.5	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
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	"	"	"	"	"	"	
Hexachlorobutadiene	ND	4.5	"	"	"	"	"	"	
Isopropylbenzene	ND	4.5	"	"	"	"	"	"	
p-Isopropyltoluene	ND	4.5	"	"	"	"	"	"	
Methylene chloride	ND	4.5	"	"	"	"	"	"	
Naphthalene	ND	4.5	"	"	"	"	"	"	
n-Propylbenzene	ND	4.5	"	"	"	"	"	"	
Styrene	ND	4.5	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	4.5	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	4.5	"	"	"	"	"	"	
Tetrachloroethene	ND	4.5	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	4.5	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	4.5	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	4.5	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	4.5	"	"	"	"	"	"	
Trichloroethene	ND	4.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	4.5	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	4.5	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	4.5	"	"	"	"	"	"	

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T183753-06 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
1,2,4-Trimethylbenzene	ND	4.5	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
Vinyl chloride	ND	4.5	"	"	"	"	"	"	
Benzene	ND	4.5	"	"	"	"	"	"	
Toluene	ND	4.5	"	"	"	"	"	"	
Ethylbenzene	ND	4.5	"	"	"	"	"	"	
m,p-Xylene	ND	9.1	"	"	"	"	"	"	
o-Xylene	ND	4.5	"	"	"	"	"	"	
Surrogate: Toluene-d8		*95.1 %*	*76.1-127*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*85.9-114*		"	"	"	"	
Surrogate: Dibromofluoromethane		*96.0 %*	*77.8-142*		"	"	"	"	
Semivolatile Organic Compounds by EPA Method 8270C									
Carbazole	ND	3000	ug/kg	10	8121932	12/19/18	12/27/18	EPA 8270C	R-07
Phenol	ND	10000	"	"	"	"	"	"	R-07
Aniline	ND	3000	"	"	"	"	"	"	R-07
2-Chlorophenol	ND	10000	"	"	"	"	"	"	R-07
1,4-Dichlorobenzene	ND	3000	"	"	"	"	"	"	R-07
N-Nitrosodi-n-propylamine	ND	3000	"	"	"	"	"	"	R-07
1,2,4-Trichlorobenzene	ND	3000	"	"	"	"	"	"	R-07
4-Chloro-3-methylphenol	ND	10000	"	"	"	"	"	"	R-07
2-Methylnaphthalene	ND	3000	"	"	"	"	"	"	R-07
1-Methylnaphthalene	ND	3000	"	"	"	"	"	"	R-07
Acenaphthene	ND	3000	"	"	"	"	"	"	R-07
4-Nitrophenol	ND	10000	"	"	"	"	"	"	R-07
2,4-Dinitrotoluene	ND	3000	"	"	"	"	"	"	R-07
Pentachlorophenol	ND	10000	"	"	"	"	"	"	R-07
Pyrene	ND	3000	"	"	"	"	"	"	R-07
Acenaphthylene	ND	3000	"	"	"	"	"	"	R-07
Anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (a) anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (b) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (k) fluoranthene	ND	3000	"	"	"	"	"	"	R-07

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T183753-06 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (g,h,i) perylene	ND	10000	ug/kg	10	8121932	12/19/18	12/27/18	EPA 8270C	R-07
Benzo (a) pyrene	ND	3000	"	"	"	"	"	"	R-07
Benzyl alcohol	ND	3000	"	"	"	"	"	"	R-07
Bis(2-chloroethoxy)methane	ND	3000	"	"	"	"	"	"	R-07
Bis(2-chloroethyl)ether	ND	3000	"	"	"	"	"	"	R-07
Bis(2-chloroisopropyl)ether	ND	3000	"	"	"	"	"	"	R-07
Bis(2-ethylhexyl)phthalate	ND	3000	"	"	"	"	"	"	R-07
4-Bromophenyl phenyl ether	ND	3000	"	"	"	"	"	"	R-07
Butyl benzyl phthalate	ND	3000	"	"	"	"	"	"	R-07
4-Chloroaniline	ND	3000	"	"	"	"	"	"	R-07
2-Chloronaphthalene	ND	3000	"	"	"	"	"	"	R-07
4-Chlorophenyl phenyl ether	ND	3000	"	"	"	"	"	"	R-07
Chrysene	ND	3000	"	"	"	"	"	"	R-07
Dibenz (a,h) anthracene	ND	3000	"	"	"	"	"	"	R-07
Dibenzofuran	ND	3000	"	"	"	"	"	"	R-07
Di-n-butyl phthalate	ND	3000	"	"	"	"	"	"	R-07
1,2-Dichlorobenzene	ND	3000	"	"	"	"	"	"	R-07
1,3-Dichlorobenzene	ND	3000	"	"	"	"	"	"	R-07
2,4-Dichlorophenol	ND	10000	"	"	"	"	"	"	R-07
Diethyl phthalate	ND	3000	"	"	"	"	"	"	R-07
2,4-Dimethylphenol	ND	10000	"	"	"	"	"	"	R-07
Dimethyl phthalate	ND	3000	"	"	"	"	"	"	R-07
4,6-Dinitro-2-methylphenol	ND	10000	"	"	"	"	"	"	R-07
2,4-Dinitrophenol	ND	10000	"	"	"	"	"	"	R-07
2,6-Dinitrotoluene	ND	10000	"	"	"	"	"	"	R-07
Di-n-octyl phthalate	ND	3000	"	"	"	"	"	"	R-07
Fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Fluorene	ND	3000	"	"	"	"	"	"	R-07
Hexachlorobenzene	ND	15000	"	"	"	"	"	"	R-07
Hexachlorobutadiene	ND	3000	"	"	"	"	"	"	R-07
Hexachlorocyclopentadiene	ND	10000	"	"	"	"	"	"	R-07
Hexachloroethane	ND	3000	"	"	"	"	"	"	R-07

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Joann Marroquin

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24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

B6@1

T183753-06 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Indeno (1,2,3-cd) pyrene	ND	3000	ug/kg	10	8121932	12/19/18	12/27/18	EPA 8270C	R-07
Isophorone	ND	3000	"	"	"	"	"	"	R-07
2-Methylphenol	ND	10000	"	"	"	"	"	"	R-07
4-Methylphenol	ND	10000	"	"	"	"	"	"	R-07
Naphthalene	ND	3000	"	"	"	"	"	"	R-07
2-Nitroaniline	ND	3000	"	"	"	"	"	"	R-07
3-Nitroaniline	ND	3000	"	"	"	"	"	"	R-07
4-Nitroaniline	ND	3000	"	"	"	"	"	"	R-07
Nitrobenzene	ND	10000	"	"	"	"	"	"	R-07
2-Nitrophenol	ND	10000	"	"	"	"	"	"	R-07
N-Nitrosodimethylamine	ND	3000	"	"	"	"	"	"	R-07
N-Nitrosodiphenylamine	ND	3000	"	"	"	"	"	"	R-07
2,3,5,6-Tetrachlorophenol	ND	3000	"	"	"	"	"	"	R-07
2,3,4,6-Tetrachlorophenol	ND	3000	"	"	"	"	"	"	R-07
Phenanthrene	ND	3000	"	"	"	"	"	"	R-07
Azobenzene	ND	3000	"	"	"	"	"	"	R-07
Pyridine	ND	3000	"	"	"	"	"	"	R-07
2,4,5-Trichlorophenol	ND	10000	"	"	"	"	"	"	R-07
2,4,6-Trichlorophenol	ND	10000	"	"	"	"	"	"	R-07
Surrogate: 2-Fluorophenol		*53.0 %*	*15-121*		"	"	"	"	
Surrogate: Phenol-d6		*50.1 %*	*24-113*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*50.5 %*	*21.3-119*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*40.7 %*	*32.4-102*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*62.8 %*	*18.1-105*		"	"	"	"	
Surrogate: Terphenyl-dl4		*89.3 %*	*29.1-130*		"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

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T183753-07 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015B									
C4-C12 (GRO)	ND	530	ug/kg	1	8121930	12/19/18	12/26/18	EPA 8015B/5035	
Surrogate: a,a,a-Trifluorotoluene		*72.1 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015B									
C13-C22 (DRO)	ND	10	mg/kg	1	8122128	12/21/18	12/22/18	EPA 8015B	
C23-C32 (MORO)	**110**	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*89.7 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	8121831	12/18/18	12/19/18	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	**9.9**	5.0	"	"	"	"	"	"	
Barium	**650**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	**16**	2.0	"	"	"	"	"	"	
Cobalt	**13**	2.0	"	"	"	"	"	"	
Copper	**29**	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	**11**	5.0	"	"	"	"	"	"	
Nickel	**24**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**37**	5.0	"	"	"	"	"	"	
Zinc	**62**	1.0	"	"	"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

B6@5

T183753-07 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	8121829	12/18/18	12/19/18	EPA 7471A Soil	
Organochlorine Pesticides by EPA Method 8081A									
alpha-BHC	ND	50	ug/kg	10	8121923	12/19/18	12/26/18	EPA 8081A	R-07
gamma-BHC (Lindane)	ND	50	"	"	"	"	"	"	R-07
beta-BHC	ND	50	"	"	"	"	"	"	R-07
delta-BHC	ND	50	"	"	"	"	"	"	R-07
Heptachlor	ND	50	"	"	"	"	"	"	R-07
Aldrin	ND	50	"	"	"	"	"	"	R-07
Heptachlor epoxide	ND	50	"	"	"	"	"	"	R-07
gamma-Chlordane	ND	50	"	"	"	"	"	"	R-07
alpha-Chlordane	ND	50	"	"	"	"	"	"	R-07
Endosulfan I	ND	50	"	"	"	"	"	"	R-07
4,4´-DDE	ND	50	"	"	"	"	"	"	R-07
Dieldrin	ND	50	"	"	"	"	"	"	R-07
Endrin	ND	50	"	"	"	"	"	"	R-07
4,4´-DDD	ND	50	"	"	"	"	"	"	R-07
Endosulfan II	ND	50	"	"	"	"	"	"	R-07
4,4´-DDT	ND	50	"	"	"	"	"	"	R-07
Endrin aldehyde	ND	50	"	"	"	"	"	"	R-07
Endosulfan sulfate	ND	50	"	"	"	"	"	"	R-07
Methoxychlor	ND	50	"	"	"	"	"	"	R-07
Endrin ketone	ND	50	"	"	"	"	"	"	R-07
Toxaphene	ND	200	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		*66.7 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*91.7 %*	*35-140*		"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

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T183753-07 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	10	ug/kg	1	8122129	12/21/18	12/27/18	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*82.3 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*71.9 %*	*35-140*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.1	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
Bromochloromethane	ND	5.1	"	"	"	"	"	"	
Bromodichloromethane	ND	5.1	"	"	"	"	"	"	
Bromoform	ND	5.1	"	"	"	"	"	"	
Bromomethane	ND	5.1	"	"	"	"	"	"	
n-Butylbenzene	ND	5.1	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.1	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.1	"	"	"	"	"	"	
Chlorobenzene	ND	5.1	"	"	"	"	"	"	
Chloroethane	ND	5.1	"	"	"	"	"	"	
Chloroform	ND	5.1	"	"	"	"	"	"	
Chloromethane	ND	5.1	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.1	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.1	"	"	"	"	"	"	
Dibromochloromethane	ND	5.1	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.1	"	"	"	"	"	"	
Dibromomethane	ND	5.1	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.1	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.1	"	"	"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

B6@5

T183753-07 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	5.1	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
Dichlorodifluoromethane	ND	5.1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.1	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.1	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.1	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.1	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.1	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.1	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.1	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.1	"	"	"	"	"	"	
Isopropylbenzene	ND	5.1	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.1	"	"	"	"	"	"	
Methylene chloride	ND	5.1	"	"	"	"	"	"	
Naphthalene	ND	5.1	"	"	"	"	"	"	
n-Propylbenzene	ND	5.1	"	"	"	"	"	"	
Styrene	ND	5.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.1	"	"	"	"	"	"	
Tetrachloroethene	ND	5.1	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.1	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.1	"	"	"	"	"	"	
Trichloroethene	ND	5.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.1	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.1	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.1	"	"	"	"	"	"	

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T183753-07 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
1,2,4-Trimethylbenzene	ND	5.1	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
Vinyl chloride	ND	5.1	"	"	"	"	"	"	
Benzene	ND	5.1	"	"	"	"	"	"	
Toluene	ND	5.1	"	"	"	"	"	"	
Ethylbenzene	ND	5.1	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.1	"	"	"	"	"	"	
Surrogate: Toluene-d8		*94.2 %*	*76.1-127*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*	*85.9-114*		"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*	*77.8-142*		"	"	"	"	
Semivolatile Organic Compounds by EPA Method 8270C									
Carbazole	ND	300000	ug/kg	1000	8121932	12/19/18	12/27/18	EPA 8270C	R-07
Phenol	ND	1000000	"	"	"	"	"	"	R-07
Aniline	ND	300000	"	"	"	"	"	"	R-07
2-Chlorophenol	ND	1000000	"	"	"	"	"	"	R-07
1,4-Dichlorobenzene	ND	300000	"	"	"	"	"	"	R-07
N-Nitrosodi-n-propylamine	ND	300000	"	"	"	"	"	"	R-07
1,2,4-Trichlorobenzene	ND	300000	"	"	"	"	"	"	R-07
4-Chloro-3-methylphenol	ND	1000000	"	"	"	"	"	"	R-07
2-Methylnaphthalene	ND	300000	"	"	"	"	"	"	R-07
1-Methylnaphthalene	ND	300000	"	"	"	"	"	"	R-07
Acenaphthene	ND	300000	"	"	"	"	"	"	R-07
4-Nitrophenol	ND	1000000	"	"	"	"	"	"	R-07
2,4-Dinitrotoluene	ND	300000	"	"	"	"	"	"	R-07
Pentachlorophenol	ND	1000000	"	"	"	"	"	"	R-07
Pyrene	ND	300000	"	"	"	"	"	"	R-07
Acenaphthylene	ND	300000	"	"	"	"	"	"	R-07
Anthracene	ND	300000	"	"	"	"	"	"	R-07
Benzo (a) anthracene	ND	300000	"	"	"	"	"	"	R-07
Benzo (b) fluoranthene	ND	300000	"	"	"	"	"	"	R-07
Benzo (k) fluoranthene	ND	300000	"	"	"	"	"	"	R-07

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

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T183753-07 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (g,h,i) perylene	ND	1000000	ug/kg	1000	8121932	12/19/18	12/27/18	EPA 8270C	R-07
Benzo (a) pyrene	ND	300000	"	"	"	"	"	"	R-07
Benzyl alcohol	ND	300000	"	"	"	"	"	"	R-07
Bis(2-chloroethoxy)methane	ND	300000	"	"	"	"	"	"	R-07
Bis(2-chloroethyl)ether	ND	300000	"	"	"	"	"	"	R-07
Bis(2-chloroisopropyl)ether	ND	300000	"	"	"	"	"	"	R-07
Bis(2-ethylhexyl)phthalate	ND	300000	"	"	"	"	"	"	R-07
4-Bromophenyl phenyl ether	ND	300000	"	"	"	"	"	"	R-07
Butyl benzyl phthalate	ND	300000	"	"	"	"	"	"	R-07
4-Chloroaniline	ND	300000	"	"	"	"	"	"	R-07
2-Chloronaphthalene	ND	300000	"	"	"	"	"	"	R-07
4-Chlorophenyl phenyl ether	ND	300000	"	"	"	"	"	"	R-07
Chrysene	ND	300000	"	"	"	"	"	"	R-07
Dibenz (a,h) anthracene	ND	300000	"	"	"	"	"	"	R-07
Dibenzofuran	ND	300000	"	"	"	"	"	"	R-07
Di-n-butyl phthalate	ND	300000	"	"	"	"	"	"	R-07
1,2-Dichlorobenzene	ND	300000	"	"	"	"	"	"	R-07
1,3-Dichlorobenzene	ND	300000	"	"	"	"	"	"	R-07
2,4-Dichlorophenol	ND	1000000	"	"	"	"	"	"	R-07
Diethyl phthalate	ND	300000	"	"	"	"	"	"	R-07
2,4-Dimethylphenol	ND	1000000	"	"	"	"	"	"	R-07
Dimethyl phthalate	ND	300000	"	"	"	"	"	"	R-07
4,6-Dinitro-2-methylphenol	ND	1000000	"	"	"	"	"	"	R-07
2,4-Dinitrophenol	ND	1000000	"	"	"	"	"	"	R-07
2,6-Dinitrotoluene	ND	1000000	"	"	"	"	"	"	R-07
Di-n-octyl phthalate	ND	300000	"	"	"	"	"	"	R-07
Fluoranthene	ND	300000	"	"	"	"	"	"	R-07
Fluorene	ND	300000	"	"	"	"	"	"	R-07
Hexachlorobenzene	ND	1500000	"	"	"	"	"	"	R-07
Hexachlorobutadiene	ND	300000	"	"	"	"	"	"	R-07
Hexachlorocyclopentadiene	ND	1000000	"	"	"	"	"	"	R-07
Hexachloroethane	ND	300000	"	"	"	"	"	"	R-07

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

B6@5

T183753-07 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Indeno (1,2,3-cd) pyrene	ND	300000	ug/kg	1000	8121932	12/19/18	12/27/18	EPA 8270C	R-07
Isophorone	ND	300000	"	"	"	"	"	"	R-07
2-Methylphenol	ND	1000000	"	"	"	"	"	"	R-07
4-Methylphenol	ND	1000000	"	"	"	"	"	"	R-07
Naphthalene	ND	300000	"	"	"	"	"	"	R-07
2-Nitroaniline	ND	300000	"	"	"	"	"	"	R-07
3-Nitroaniline	ND	300000	"	"	"	"	"	"	R-07
4-Nitroaniline	ND	300000	"	"	"	"	"	"	R-07
Nitrobenzene	ND	1000000	"	"	"	"	"	"	R-07
2-Nitrophenol	ND	1000000	"	"	"	"	"	"	R-07
N-Nitrosodimethylamine	ND	300000	"	"	"	"	"	"	R-07
N-Nitrosodiphenylamine	ND	300000	"	"	"	"	"	"	R-07
2,3,5,6-Tetrachlorophenol	ND	300000	"	"	"	"	"	"	R-07
2,3,4,6-Tetrachlorophenol	ND	300000	"	"	"	"	"	"	R-07
Phenanthrene	ND	300000	"	"	"	"	"	"	R-07
Azobenzene	ND	300000	"	"	"	"	"	"	R-07
Pyridine	ND	300000	"	"	"	"	"	"	R-07
2,4,5-Trichlorophenol	ND	1000000	"	"	"	"	"	"	R-07
2,4,6-Trichlorophenol	ND	1000000	"	"	"	"	"	"	R-07
Surrogate: 2-Fluorophenol		*%*	*15-121*		"	"	"	"	*S-01*
Surrogate: Phenol-d6		*%*	*24-113*		"	"	"	"	*S-01*
Surrogate: Nitrobenzene-d5		*%*	*21.3-119*		"	"	"	"	*S-01*
Surrogate: 2-Fluorobiphenyl		*%*	*32.4-102*		"	"	"	"	*S-01*
Surrogate: 2,4,6-Tribromophenol		*%*	*18.1-105*		"	"	"	"	*S-01*
Surrogate: Terphenyl-dl4		*%*	*29.1-130*		"	"	"	"	*S-01*

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T183753-08 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015B									
C4-C12 (GRO)	ND	560	ug/kg	1	8121930	12/19/18	12/26/18	EPA 8015B/5035	
Surrogate: a,a,a-Trifluorotoluene		*72.4 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015B									
C13-C22 (DRO)	ND	10	mg/kg	1	8122128	12/21/18	12/22/18	EPA 8015B	
C23-C32 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*86.2 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	8121831	12/18/18	12/19/18	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	**9.0**	5.0	"	"	"	"	"	"	
Barium	**110**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	12/19/18	"	
Cadmium	ND	2.0	"	"	"	"	12/19/18	"	
Chromium	**18**	2.0	"	"	"	"	"	"	
Cobalt	**12**	2.0	"	"	"	"	"	"	
Copper	**35**	1.0	"	"	"	"	"	"	
Lead	**9.5**	3.0	"	"	"	"	"	"	
Molybdenum	**12**	5.0	"	"	"	"	"	"	
Nickel	**22**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**42**	5.0	"	"	"	"	"	"	
Zinc	**71**	1.0	"	"	"	"	"	"	

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T183753-08 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	8121829	12/18/18	12/19/18	EPA 7471A Soil	
Organochlorine Pesticides by EPA Method 8081A									
alpha-BHC	ND	5.0	ug/kg	1	8121923	12/19/18	12/26/18	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*70.6 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*79.8 %*	*35-140*		"	"	"	"	

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T183753-08 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	10	ug/kg	1	8122129	12/21/18	12/27/18	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*69.4 %*		*35-140*	"	"	"	"	
Surrogate: Decachlorobiphenyl		*74.3 %*		*35-140*	"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.3	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
Bromochloromethane	ND	5.3	"	"	"	"	"	"	
Bromodichloromethane	ND	5.3	"	"	"	"	"	"	
Bromoform	ND	5.3	"	"	"	"	"	"	
Bromomethane	ND	5.3	"	"	"	"	"	"	
n-Butylbenzene	ND	5.3	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.3	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.3	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.3	"	"	"	"	"	"	
Chlorobenzene	ND	5.3	"	"	"	"	"	"	
Chloroethane	ND	5.3	"	"	"	"	"	"	
Chloroform	ND	5.3	"	"	"	"	"	"	
Chloromethane	ND	5.3	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.3	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.3	"	"	"	"	"	"	
Dibromochloromethane	ND	5.3	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	11	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.3	"	"	"	"	"	"	
Dibromomethane	ND	5.3	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.3	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.3	"	"	"	"	"	"	

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T183753-08 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	5.3	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
Dichlorodifluoromethane	ND	5.3	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.3	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.3	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.3	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.3	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.3	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.3	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.3	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.3	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.3	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.3	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.3	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.3	"	"	"	"	"	"	
Isopropylbenzene	ND	5.3	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.3	"	"	"	"	"	"	
Methylene chloride	ND	5.3	"	"	"	"	"	"	
Naphthalene	ND	5.3	"	"	"	"	"	"	
n-Propylbenzene	ND	5.3	"	"	"	"	"	"	
Styrene	ND	5.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.3	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.3	"	"	"	"	"	"	
Tetrachloroethene	ND	5.3	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.3	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.3	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.3	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.3	"	"	"	"	"	"	
Trichloroethene	ND	5.3	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.3	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.3	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.3	"	"	"	"	"	"	

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T183753-08 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
1,2,4-Trimethylbenzene	ND	5.3	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
Vinyl chloride	ND	5.3	"	"	"	"	"	"	
Benzene	ND	5.3	"	"	"	"	"	"	
Toluene	ND	5.3	"	"	"	"	"	"	
Ethylbenzene	ND	5.3	"	"	"	"	"	"	
m,p-Xylene	ND	11	"	"	"	"	"	"	
o-Xylene	ND	5.3	"	"	"	"	"	"	
Surrogate: Toluene-d8		*94.3 %*	*76.1-127*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*	*85.9-114*		"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*	*77.8-142*		"	"	"	"	
Semivolatile Organic Compounds by EPA Method 8270C									
Carbazole	ND	300	ug/kg	1	8121932	12/19/18	12/27/18	EPA 8270C	
Phenol	ND	1000	"	"	"	"	"	"	
Aniline	ND	300	"	"	"	"	"	"	
2-Chlorophenol	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1000	"	"	"	"	"	"	
2-Methylnaphthalene	ND	300	"	"	"	"	"	"	
1-Methylnaphthalene	ND	300	"	"	"	"	"	"	
Acenaphthene	ND	300	"	"	"	"	"	"	
4-Nitrophenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	300	"	"	"	"	"	"	
Pentachlorophenol	ND	1000	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	

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T183753-08 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (g,h,i) perylene	ND	1000	ug/kg	1	8121932	12/19/18	12/27/18	EPA 8270C	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Benzyl alcohol	ND	300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	300	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	300	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	300	"	"	"	"	"	"	
4-Chloroaniline	ND	300	"	"	"	"	"	"	
2-Chloronaphthalene	ND	300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Dibenzofuran	ND	300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1000	"	"	"	"	"	"	
Diethyl phthalate	ND	300	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1000	"	"	"	"	"	"	
Dimethyl phthalate	ND	300	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Hexachlorobenzene	ND	1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND	300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	1000	"	"	"	"	"	"	
Hexachloroethane	ND	300	"	"	"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

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T183753-08 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Indeno (1,2,3-cd) pyrene	ND	300	ug/kg	1	8121932	12/19/18	12/27/18	EPA 8270C	
Isophorone	ND	300	"	"	"	"	"	"	
2-Methylphenol	ND	1000	"	"	"	"	"	"	
4-Methylphenol	ND	1000	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
2-Nitroaniline	ND	300	"	"	"	"	"	"	
3-Nitroaniline	ND	300	"	"	"	"	"	"	
4-Nitroaniline	ND	300	"	"	"	"	"	"	
Nitrobenzene	ND	1000	"	"	"	"	"	"	
2-Nitrophenol	ND	1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
Azobenzene	ND	300	"	"	"	"	"	"	
Pyridine	ND	300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	1000	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*61.4 %*	*15-121*		"	"	"	"	
Surrogate: Phenol-d6		*60.9 %*	*24-113*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*63.9 %*	*21.3-119*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*66.6 %*	*32.4-102*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*91.0 %*	*18.1-105*		"	"	"	"	
Surrogate: Terphenyl-dl4		*98.4 %*	*29.1-130*		"	"	"	"	

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Joann Marroquin, Client Services Manager

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

B6@15

T183753-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015B									
C4-C12 (GRO)	ND	500	ug/kg	1	8121930	12/19/18	12/26/18	EPA 8015B/5035	
Surrogate: a,a,a-Trifluorotoluene		*80.0 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015B									
C13-C22 (DRO)	ND	10	mg/kg	1	8122128	12/21/18	12/22/18	EPA 8015B	
C23-C32 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*85.1 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	8121831	12/18/18	12/19/18	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	**8.2**	5.0	"	"	"	"	"	"	
Barium	**71**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	**16**	2.0	"	"	"	"	"	"	
Cobalt	**15**	2.0	"	"	"	"	"	"	
Copper	**30**	1.0	"	"	"	"	"	"	
Lead	**11**	3.0	"	"	"	"	"	"	
Molybdenum	**11**	5.0	"	"	"	"	"	"	
Nickel	**19**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**35**	5.0	"	"	"	"	"	"	
Zinc	**69**	1.0	"	"	"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

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T183753-09 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	8121829	12/18/18	12/19/18	EPA 7471A Soil	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.1	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
Bromochloromethane	ND	5.1	"	"	"	"	"	"	
Bromodichloromethane	ND	5.1	"	"	"	"	"	"	
Bromoform	ND	5.1	"	"	"	"	"	"	
Bromomethane	ND	5.1	"	"	"	"	"	"	
n-Butylbenzene	ND	5.1	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.1	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.1	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.1	"	"	"	"	"	"	
Chlorobenzene	ND	5.1	"	"	"	"	"	"	
Chloroethane	ND	5.1	"	"	"	"	"	"	
Chloroform	ND	5.1	"	"	"	"	"	"	
Chloromethane	ND	5.1	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.1	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.1	"	"	"	"	"	"	
Dibromochloromethane	ND	5.1	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.1	"	"	"	"	"	"	
Dibromomethane	ND	5.1	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.1	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.1	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.1	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.1	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.1	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.1	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.1	"	"	"	"	"	"	

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T183753-09 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	5.1	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
1,3-Dichloropropane	ND	5.1	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.1	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.1	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.1	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.1	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.1	"	"	"	"	"	"	
Isopropylbenzene	ND	5.1	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.1	"	"	"	"	"	"	
Methylene chloride	ND	5.1	"	"	"	"	"	"	
Naphthalene	ND	5.1	"	"	"	"	"	"	
n-Propylbenzene	ND	5.1	"	"	"	"	"	"	
Styrene	ND	5.1	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.1	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.1	"	"	"	"	"	"	
Tetrachloroethene	ND	5.1	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.1	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.1	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.1	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.1	"	"	"	"	"	"	
Trichloroethene	ND	5.1	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.1	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.1	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.1	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.1	"	"	"	"	"	"	
Vinyl chloride	ND	5.1	"	"	"	"	"	"	
Benzene	ND	5.1	"	"	"	"	"	"	
Toluene	ND	5.1	"	"	"	"	"	"	
Ethylbenzene	ND	5.1	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.1	"	"	"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

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T183753-09 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
Surrogate: Toluene-d8		*94.0 %*		*76.1-127*	*8121928*	*12/19/18*	*12/21/18*	*EPA 8260B/5035*	
Surrogate: 4-Bromofluorobenzene		*103 %*		*85.9-114*	"	"	"	"	
Surrogate: Dibromofluoromethane		*99.1 %*		*77.8-142*	"	"	"	"	
Semivolatile Organic Compounds by EPA Method 8270C									
Carbazole	ND	300	ug/kg	1	8121932	12/19/18	12/27/18	EPA 8270C	
Phenol	ND	1000	"	"	"	"	"	"	
Aniline	ND	300	"	"	"	"	"	"	
2-Chlorophenol	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1000	"	"	"	"	"	"	
2-Methylnaphthalene	ND	300	"	"	"	"	"	"	
1-Methylnaphthalene	ND	300	"	"	"	"	"	"	
Acenaphthene	ND	300	"	"	"	"	"	"	
4-Nitrophenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	300	"	"	"	"	"	"	
Pentachlorophenol	ND	1000	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Benzyl alcohol	ND	300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	300	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	300	"	"	"	"	"	"	

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T183753-09 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4-Bromophenyl phenyl ether	ND	300	ug/kg	1	8121932	12/19/18	12/27/18	EPA 8270C	
Butyl benzyl phthalate	ND	300	"	"	"	"	"	"	
4-Chloroaniline	ND	300	"	"	"	"	"	"	
2-Chloronaphthalene	ND	300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Dibenzofuran	ND	300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1000	"	"	"	"	"	"	
Diethyl phthalate	ND	300	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1000	"	"	"	"	"	"	
Dimethyl phthalate	ND	300	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Hexachlorobenzene	ND	1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND	300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	1000	"	"	"	"	"	"	
Hexachloroethane	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"	
Isophorone	ND	300	"	"	"	"	"	"	
2-Methylphenol	ND	1000	"	"	"	"	"	"	
4-Methylphenol	ND	1000	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
2-Nitroaniline	ND	300	"	"	"	"	"	"	
3-Nitroaniline	ND	300	"	"	"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

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T183753-09 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4-Nitroaniline	ND	300	ug/kg	1	8121932	12/19/18	12/27/18	EPA 8270C	
Nitrobenzene	ND	1000	"	"	"	"	"	"	
2-Nitrophenol	ND	1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
Azobenzene	ND	300	"	"	"	"	"	"	
Pyridine	ND	300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	1000	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*45.7 %*	*15-121*		"	"	"	"	
Surrogate: Phenol-d6		*43.9 %*	*24-113*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*47.9 %*	*21.3-119*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*52.4 %*	*32.4-102*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*67.5 %*	*18.1-105*		"	"	"	"	
Surrogate: Terphenyl-dl4		*80.1 %*	*29.1-130*		"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

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T183753-10 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015B									
C4-C12 (GRO)	ND	720	ug/kg	1	8121930	12/19/18	12/26/18	EPA 8015B/5035	
Surrogate: a,a,a-Trifluorotoluene		*71.9 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015B									
C13-C22 (DRO)	ND	10	mg/kg	1	8122128	12/21/18	12/22/18	EPA 8015B	
C23-C32 (MORO)	**100**	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*80.9 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	8121831	12/18/18	12/19/18	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	**9.0**	5.0	"	"	"	"	"	"	
Barium	**160**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	12/19/18	"	
Cadmium	ND	2.0	"	"	"	"	12/19/18	"	
Chromium	**18**	2.0	"	"	"	"	"	"	
Cobalt	**14**	2.0	"	"	"	"	"	"	
Copper	**30**	1.0	"	"	"	"	"	"	
Lead	**15**	3.0	"	"	"	"	"	"	
Molybdenum	**10**	5.0	"	"	"	"	"	"	
Nickel	**28**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**42**	5.0	"	"	"	"	"	"	
Zinc	**71**	1.0	"	"	"	"	"	"	

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T183753-10 (Soil)

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Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	8121829	12/18/18	12/19/18	EPA 7471A Soil	
Organochlorine Pesticides by EPA Method 8081A									
alpha-BHC	ND	25	ug/kg	5	8121923	12/19/18	12/26/18	EPA 8081A	R-07
gamma-BHC (Lindane)	ND	25	"	"	"	"	"	"	R-07
beta-BHC	ND	25	"	"	"	"	"	"	R-07
delta-BHC	ND	25	"	"	"	"	"	"	R-07
Heptachlor	ND	25	"	"	"	"	"	"	R-07
Aldrin	ND	25	"	"	"	"	"	"	R-07
Heptachlor epoxide	ND	25	"	"	"	"	"	"	R-07
gamma-Chlordane	ND	25	"	"	"	"	"	"	R-07
alpha-Chlordane	ND	25	"	"	"	"	"	"	R-07
Endosulfan I	ND	25	"	"	"	"	"	"	R-07
4,4´-DDE	ND	25	"	"	"	"	"	"	R-07
Dieldrin	ND	25	"	"	"	"	"	"	R-07
Endrin	ND	25	"	"	"	"	"	"	R-07
4,4´-DDD	ND	25	"	"	"	"	"	"	R-07
Endosulfan II	ND	25	"	"	"	"	"	"	R-07
4,4´-DDT	ND	25	"	"	"	"	"	"	R-07
Endrin aldehyde	ND	25	"	"	"	"	"	"	R-07
Endosulfan sulfate	ND	25	"	"	"	"	"	"	R-07
Methoxychlor	ND	25	"	"	"	"	"	"	R-07
Endrin ketone	ND	25	"	"	"	"	"	"	R-07
Toxaphene	ND	100	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		*72.5 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*102 %*	*35-140*		"	"	"	"	

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Joann Marroquin

Joann Marroquin, Client Services Manager

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

B7@1

T183753-10 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	10	ug/kg	1	8122129	12/21/18	12/27/18	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*78.9 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*74.8 %*	*35-140*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	9.3	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	M-02
Bromochloromethane	ND	9.3	"	"	"	"	"	"	M-02
Bromodichloromethane	ND	9.3	"	"	"	"	"	"	M-02
Bromoform	ND	9.3	"	"	"	"	"	"	M-02
Bromomethane	ND	9.3	"	"	"	"	"	"	M-02
n-Butylbenzene	ND	9.3	"	"	"	"	"	"	M-02
sec-Butylbenzene	ND	9.3	"	"	"	"	"	"	M-02
tert-Butylbenzene	ND	9.3	"	"	"	"	"	"	M-02
Carbon tetrachloride	ND	9.3	"	"	"	"	"	"	M-02
Chlorobenzene	ND	9.3	"	"	"	"	"	"	M-02
Chloroethane	ND	9.3	"	"	"	"	"	"	M-02
Chloroform	ND	9.3	"	"	"	"	"	"	M-02
Chloromethane	ND	9.3	"	"	"	"	"	"	M-02
2-Chlorotoluene	ND	9.3	"	"	"	"	"	"	M-02
4-Chlorotoluene	ND	9.3	"	"	"	"	"	"	M-02
Dibromochloromethane	ND	9.3	"	"	"	"	"	"	M-02
1,2-Dibromo-3-chloropropane	ND	19	"	"	"	"	"	"	M-02
1,2-Dibromoethane (EDB)	ND	9.3	"	"	"	"	"	"	M-02
Dibromomethane	ND	9.3	"	"	"	"	"	"	M-02
1,2-Dichlorobenzene	ND	9.3	"	"	"	"	"	"	M-02
1,3-Dichlorobenzene	ND	9.3	"	"	"	"	"	"	M-02

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T183753-10 (Soil)

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Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	9.3	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	M-02
Dichlorodifluoromethane	ND	9.3	"	"	"	"	"	"	M-02
1,1-Dichloroethane	ND	9.3	"	"	"	"	"	"	M-02
1,2-Dichloroethane	ND	9.3	"	"	"	"	"	"	M-02
1,1-Dichloroethene	ND	9.3	"	"	"	"	"	"	M-02
cis-1,2-Dichloroethene	ND	9.3	"	"	"	"	"	"	M-02
trans-1,2-Dichloroethene	ND	9.3	"	"	"	"	"	"	M-02
1,2-Dichloropropane	ND	9.3	"	"	"	"	"	"	M-02
1,3-Dichloropropane	ND	9.3	"	"	"	"	"	"	M-02
2,2-Dichloropropane	ND	9.3	"	"	"	"	"	"	M-02
1,1-Dichloropropene	ND	9.3	"	"	"	"	"	"	M-02
cis-1,3-Dichloropropene	ND	9.3	"	"	"	"	"	"	M-02
trans-1,3-Dichloropropene	ND	9.3	"	"	"	"	"	"	M-02
Hexachlorobutadiene	ND	9.3	"	"	"	"	"	"	M-02
Isopropylbenzene	ND	9.3	"	"	"	"	"	"	M-02
p-Isopropyltoluene	ND	9.3	"	"	"	"	"	"	M-02
Methylene chloride	ND	9.3	"	"	"	"	"	"	M-02
Naphthalene	ND	9.3	"	"	"	"	"	"	M-02
n-Propylbenzene	ND	9.3	"	"	"	"	"	"	M-02
Styrene	ND	9.3	"	"	"	"	"	"	M-02
1,1,2,2-Tetrachloroethane	ND	9.3	"	"	"	"	"	"	M-02
1,1,1,2-Tetrachloroethane	ND	9.3	"	"	"	"	"	"	M-02
Tetrachloroethene	ND	9.3	"	"	"	"	"	"	M-02
1,2,3-Trichlorobenzene	ND	9.3	"	"	"	"	"	"	M-02
1,2,4-Trichlorobenzene	ND	9.3	"	"	"	"	"	"	M-02
1,1,2-Trichloroethane	ND	9.3	"	"	"	"	"	"	M-02
1,1,1-Trichloroethane	ND	9.3	"	"	"	"	"	"	M-02
Trichloroethene	ND	9.3	"	"	"	"	"	"	M-02
Trichlorofluoromethane	ND	9.3	"	"	"	"	"	"	M-02
1,2,3-Trichloropropane	ND	9.3	"	"	"	"	"	"	M-02
1,3,5-Trimethylbenzene	ND	9.3	"	"	"	"	"	"	M-02

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T183753-10 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
1,2,4-Trimethylbenzene	ND	9.3	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	M-02
Vinyl chloride	ND	9.3	"	"	"	"	"	"	M-02
Benzene	**12**	9.3	"	"	"	"	"	"	M-02
Toluene	ND	9.3	"	"	"	"	"	"	M-02
Ethylbenzene	**22**	9.3	"	"	"	"	"	"	M-02
m,p-Xylene	**61**	19	"	"	"	"	"	"	M-02
o-Xylene	**22**	9.3	"	"	"	"	"	"	M-02
Surrogate: Toluene-d8		*94.8 %*	*76.1-127*		"	"	"	"	*M-02*
Surrogate: 4-Bromofluorobenzene		*98.0 %*	*85.9-114*		"	"	"	"	*M-02*
Surrogate: Dibromofluoromethane		*92.0 %*	*77.8-142*		"	"	"	"	*M-02*
Semivolatile Organic Compounds by EPA Method 8270C									
Carbazole	ND	30000	ug/kg	100	8121932	12/19/18	12/27/18	EPA 8270C	R-07
Phenol	ND	100000	"	"	"	"	"	"	R-07
Aniline	ND	30000	"	"	"	"	"	"	R-07
2-Chlorophenol	ND	100000	"	"	"	"	"	"	R-07
1,4-Dichlorobenzene	ND	30000	"	"	"	"	"	"	R-07
N-Nitrosodi-n-propylamine	ND	30000	"	"	"	"	"	"	R-07
1,2,4-Trichlorobenzene	ND	30000	"	"	"	"	"	"	R-07
4-Chloro-3-methylphenol	ND	100000	"	"	"	"	"	"	R-07
2-Methylnaphthalene	ND	30000	"	"	"	"	"	"	R-07
1-Methylnaphthalene	ND	30000	"	"	"	"	"	"	R-07
Acenaphthene	ND	30000	"	"	"	"	"	"	R-07
4-Nitrophenol	ND	100000	"	"	"	"	"	"	R-07
2,4-Dinitrotoluene	ND	30000	"	"	"	"	"	"	R-07
Pentachlorophenol	ND	100000	"	"	"	"	"	"	R-07
Pyrene	ND	30000	"	"	"	"	"	"	R-07
Acenaphthylene	ND	30000	"	"	"	"	"	"	R-07
Anthracene	ND	30000	"	"	"	"	"	"	R-07
Benzo (a) anthracene	ND	30000	"	"	"	"	"	"	R-07
Benzo (b) fluoranthene	ND	30000	"	"	"	"	"	"	R-07
Benzo (k) fluoranthene	ND	30000	"	"	"	"	"	"	R-07

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T183753-10 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (g,h,i) perylene	ND	100000	ug/kg	100	8121932	12/19/18	12/27/18	EPA 8270C	R-07
Benzo (a) pyrene	ND	30000	"	"	"	"	"	"	R-07
Benzyl alcohol	ND	30000	"	"	"	"	"	"	R-07
Bis(2-chloroethoxy)methane	ND	30000	"	"	"	"	"	"	R-07
Bis(2-chloroethyl)ether	ND	30000	"	"	"	"	"	"	R-07
Bis(2-chloroisopropyl)ether	ND	30000	"	"	"	"	"	"	R-07
Bis(2-ethylhexyl)phthalate	ND	30000	"	"	"	"	"	"	R-07
4-Bromophenyl phenyl ether	ND	30000	"	"	"	"	"	"	R-07
Butyl benzyl phthalate	ND	30000	"	"	"	"	"	"	R-07
4-Chloroaniline	ND	30000	"	"	"	"	"	"	R-07
2-Chloronaphthalene	ND	30000	"	"	"	"	"	"	R-07
4-Chlorophenyl phenyl ether	ND	30000	"	"	"	"	"	"	R-07
Chrysene	ND	30000	"	"	"	"	"	"	R-07
Dibenz (a,h) anthracene	ND	30000	"	"	"	"	"	"	R-07
Dibenzofuran	ND	30000	"	"	"	"	"	"	R-07
Di-n-butyl phthalate	ND	30000	"	"	"	"	"	"	R-07
1,2-Dichlorobenzene	ND	30000	"	"	"	"	"	"	R-07
1,3-Dichlorobenzene	ND	30000	"	"	"	"	"	"	R-07
2,4-Dichlorophenol	ND	100000	"	"	"	"	"	"	R-07
Diethyl phthalate	ND	30000	"	"	"	"	"	"	R-07
2,4-Dimethylphenol	ND	100000	"	"	"	"	"	"	R-07
Dimethyl phthalate	ND	30000	"	"	"	"	"	"	R-07
4,6-Dinitro-2-methylphenol	ND	100000	"	"	"	"	"	"	R-07
2,4-Dinitrophenol	ND	100000	"	"	"	"	"	"	R-07
2,6-Dinitrotoluene	ND	100000	"	"	"	"	"	"	R-07
Di-n-octyl phthalate	ND	30000	"	"	"	"	"	"	R-07
Fluoranthene	ND	30000	"	"	"	"	"	"	R-07
Fluorene	ND	30000	"	"	"	"	"	"	R-07
Hexachlorobenzene	ND	150000	"	"	"	"	"	"	R-07
Hexachlorobutadiene	ND	30000	"	"	"	"	"	"	R-07
Hexachlorocyclopentadiene	ND	100000	"	"	"	"	"	"	R-07
Hexachloroethane	ND	30000	"	"	"	"	"	"	R-07

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T183753-10 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Indeno (1,2,3-cd) pyrene	ND	30000	ug/kg	100	8121932	12/19/18	12/27/18	EPA 8270C	R-07
Isophorone	ND	30000	"	"	"	"	"	"	R-07
2-Methylphenol	ND	100000	"	"	"	"	"	"	R-07
4-Methylphenol	ND	100000	"	"	"	"	"	"	R-07
Naphthalene	ND	30000	"	"	"	"	"	"	R-07
2-Nitroaniline	ND	30000	"	"	"	"	"	"	R-07
3-Nitroaniline	ND	30000	"	"	"	"	"	"	R-07
4-Nitroaniline	ND	30000	"	"	"	"	"	"	R-07
Nitrobenzene	ND	100000	"	"	"	"	"	"	R-07
2-Nitrophenol	ND	100000	"	"	"	"	"	"	R-07
N-Nitrosodimethylamine	ND	30000	"	"	"	"	"	"	R-07
N-Nitrosodiphenylamine	ND	30000	"	"	"	"	"	"	R-07
2,3,5,6-Tetrachlorophenol	ND	30000	"	"	"	"	"	"	R-07
2,3,4,6-Tetrachlorophenol	ND	30000	"	"	"	"	"	"	R-07
Phenanthrene	ND	30000	"	"	"	"	"	"	R-07
Azobenzene	ND	30000	"	"	"	"	"	"	R-07
Pyridine	ND	30000	"	"	"	"	"	"	R-07
2,4,5-Trichlorophenol	ND	100000	"	"	"	"	"	"	R-07
2,4,6-Trichlorophenol	ND	100000	"	"	"	"	"	"	R-07
Surrogate: 2-Fluorophenol		*49.0 %*	*15-121*		"	"	"	"	
Surrogate: Phenol-d6		*25.0 %*	*24-113*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*51.0 %*	*21.3-119*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*63.0 %*	*32.4-102*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*35.0 %*	*18.1-105*		"	"	"	"	
Surrogate: Terphenyl-dl4		*107 %*	*29.1-130*		"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

B7@5

T183753-11 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015B									
C4-C12 (GRO)	ND	640	ug/kg	1	8121930	12/19/18	12/26/18	EPA 8015B/5035	
Surrogate: a,a,a-Trifluorotoluene		*77.2 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015B									
C13-C22 (DRO)	ND	10	mg/kg	1	8122128	12/21/18	12/22/18	EPA 8015B	
C23-C32 (MORO)	**150**	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*80.7 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	8121831	12/18/18	12/19/18	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	**8.8**	5.0	"	"	"	"	"	"	
Barium	**180**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	**19**	2.0	"	"	"	"	"	"	
Cobalt	**15**	2.0	"	"	"	"	"	"	
Copper	**29**	1.0	"	"	"	"	"	"	
Lead	**9.1**	3.0	"	"	"	"	"	"	
Molybdenum	**11**	5.0	"	"	"	"	"	"	
Nickel	**30**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**39**	5.0	"	"	"	"	"	"	
Zinc	**70**	1.0	"	"	"	"	"	"	

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T183753-11 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	8121829	12/18/18	12/19/18	EPA 7471A Soil	
Organochlorine Pesticides by EPA Method 8081A									
alpha-BHC	ND	25	ug/kg	5	8121923	12/19/18	12/26/18	EPA 8081A	R-07
gamma-BHC (Lindane)	ND	25	"	"	"	"	"	"	R-07
beta-BHC	ND	25	"	"	"	"	"	"	R-07
delta-BHC	ND	25	"	"	"	"	"	"	R-07
Heptachlor	ND	25	"	"	"	"	"	"	R-07
Aldrin	ND	25	"	"	"	"	"	"	R-07
Heptachlor epoxide	ND	25	"	"	"	"	"	"	R-07
gamma-Chlordane	ND	25	"	"	"	"	"	"	R-07
alpha-Chlordane	ND	25	"	"	"	"	"	"	R-07
Endosulfan I	ND	25	"	"	"	"	"	"	R-07
4,4´-DDE	ND	25	"	"	"	"	"	"	R-07
Dieldrin	ND	25	"	"	"	"	"	"	R-07
Endrin	ND	25	"	"	"	"	"	"	R-07
4,4´-DDD	ND	25	"	"	"	"	"	"	R-07
Endosulfan II	ND	25	"	"	"	"	"	"	R-07
4,4´-DDT	ND	25	"	"	"	"	"	"	R-07
Endrin aldehyde	ND	25	"	"	"	"	"	"	R-07
Endosulfan sulfate	ND	25	"	"	"	"	"	"	R-07
Methoxychlor	ND	25	"	"	"	"	"	"	R-07
Endrin ketone	ND	25	"	"	"	"	"	"	R-07
Toxaphene	ND	100	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		*72.9 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*87.6 %*	*35-140*		"	"	"	"	

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Joann Marroquin

Joann Marroquin, Client Services Manager

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

B7@5

T183753-11 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	10	ug/kg	1	8122129	12/21/18	12/27/18	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*76.8 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*72.7 %*	*35-140*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.7	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
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	11	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.7	"	"	"	"	"	"	
Dibromomethane	ND	5.7	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.7	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.7	"	"	"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

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T183753-11 (Soil)

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Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	5.7	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
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	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.7	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.7	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.7	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.7	"	"	"	"	"	"	
Isopropylbenzene	ND	5.7	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.7	"	"	"	"	"	"	
Methylene chloride	ND	5.7	"	"	"	"	"	"	
Naphthalene	ND	5.7	"	"	"	"	"	"	
n-Propylbenzene	ND	5.7	"	"	"	"	"	"	
Styrene	ND	5.7	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.7	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.7	"	"	"	"	"	"	
Tetrachloroethene	ND	5.7	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.7	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.7	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.7	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.7	"	"	"	"	"	"	
Trichloroethene	ND	5.7	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.7	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.7	"	"	"	"	"	"	

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T183753-11 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
1,2,4-Trimethylbenzene	ND	5.7	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
Vinyl chloride	ND	5.7	"	"	"	"	"	"	
Benzene	ND	5.7	"	"	"	"	"	"	
Toluene	ND	5.7	"	"	"	"	"	"	
Ethylbenzene	ND	5.7	"	"	"	"	"	"	
m,p-Xylene	ND	11	"	"	"	"	"	"	
o-Xylene	ND	5.7	"	"	"	"	"	"	
Surrogate: Toluene-d8		*97.8 %*	*76.1-127*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.6 %*	*85.9-114*		"	"	"	"	
Surrogate: Dibromofluoromethane		*96.8 %*	*77.8-142*		"	"	"	"	
Semivolatile Organic Compounds by EPA Method 8270C									
Carbazole	ND	30000	ug/kg	100	8121932	12/19/18	12/27/18	EPA 8270C	R-07
Phenol	ND	100000	"	"	"	"	"	"	R-07
Aniline	ND	30000	"	"	"	"	"	"	R-07
2-Chlorophenol	ND	100000	"	"	"	"	"	"	R-07
1,4-Dichlorobenzene	ND	30000	"	"	"	"	"	"	R-07
N-Nitrosodi-n-propylamine	ND	30000	"	"	"	"	"	"	R-07
1,2,4-Trichlorobenzene	ND	30000	"	"	"	"	"	"	R-07
4-Chloro-3-methylphenol	ND	100000	"	"	"	"	"	"	R-07
2-Methylnaphthalene	ND	30000	"	"	"	"	"	"	R-07
1-Methylnaphthalene	ND	30000	"	"	"	"	"	"	R-07
Acenaphthene	ND	30000	"	"	"	"	"	"	R-07
4-Nitrophenol	ND	100000	"	"	"	"	"	"	R-07
2,4-Dinitrotoluene	ND	30000	"	"	"	"	"	"	R-07
Pentachlorophenol	ND	100000	"	"	"	"	"	"	R-07
Pyrene	ND	30000	"	"	"	"	"	"	R-07
Acenaphthylene	ND	30000	"	"	"	"	"	"	R-07
Anthracene	ND	30000	"	"	"	"	"	"	R-07
Benzo (a) anthracene	ND	30000	"	"	"	"	"	"	R-07
Benzo (b) fluoranthene	ND	30000	"	"	"	"	"	"	R-07
Benzo (k) fluoranthene	ND	30000	"	"	"	"	"	"	R-07

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T183753-11 (Soil)

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Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (g,h,i) perylene	ND	100000	ug/kg	100	8121932	12/19/18	12/27/18	EPA 8270C	R-07
Benzo (a) pyrene	ND	30000	"	"	"	"	"	"	R-07
Benzyl alcohol	ND	30000	"	"	"	"	"	"	R-07
Bis(2-chloroethoxy)methane	ND	30000	"	"	"	"	"	"	R-07
Bis(2-chloroethyl)ether	ND	30000	"	"	"	"	"	"	R-07
Bis(2-chloroisopropyl)ether	ND	30000	"	"	"	"	"	"	R-07
Bis(2-ethylhexyl)phthalate	ND	30000	"	"	"	"	"	"	R-07
4-Bromophenyl phenyl ether	ND	30000	"	"	"	"	"	"	R-07
Butyl benzyl phthalate	ND	30000	"	"	"	"	"	"	R-07
4-Chloroaniline	ND	30000	"	"	"	"	"	"	R-07
2-Chloronaphthalene	ND	30000	"	"	"	"	"	"	R-07
4-Chlorophenyl phenyl ether	ND	30000	"	"	"	"	"	"	R-07
Chrysene	ND	30000	"	"	"	"	"	"	R-07
Dibenz (a,h) anthracene	ND	30000	"	"	"	"	"	"	R-07
Dibenzofuran	ND	30000	"	"	"	"	"	"	R-07
Di-n-butyl phthalate	ND	30000	"	"	"	"	"	"	R-07
1,2-Dichlorobenzene	ND	30000	"	"	"	"	"	"	R-07
1,3-Dichlorobenzene	ND	30000	"	"	"	"	"	"	R-07
2,4-Dichlorophenol	ND	100000	"	"	"	"	"	"	R-07
Diethyl phthalate	ND	30000	"	"	"	"	"	"	R-07
2,4-Dimethylphenol	ND	100000	"	"	"	"	"	"	R-07
Dimethyl phthalate	ND	30000	"	"	"	"	"	"	R-07
4,6-Dinitro-2-methylphenol	ND	100000	"	"	"	"	"	"	R-07
2,4-Dinitrophenol	ND	100000	"	"	"	"	"	"	R-07
2,6-Dinitrotoluene	ND	100000	"	"	"	"	"	"	R-07
Di-n-octyl phthalate	ND	30000	"	"	"	"	"	"	R-07
Fluoranthene	ND	30000	"	"	"	"	"	"	R-07
Fluorene	ND	30000	"	"	"	"	"	"	R-07
Hexachlorobenzene	ND	150000	"	"	"	"	"	"	R-07
Hexachlorobutadiene	ND	30000	"	"	"	"	"	"	R-07
Hexachlorocyclopentadiene	ND	100000	"	"	"	"	"	"	R-07
Hexachloroethane	ND	30000	"	"	"	"	"	"	R-07

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T183753-11 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Indeno (1,2,3-cd) pyrene	ND	30000	ug/kg	100	8121932	12/19/18	12/27/18	EPA 8270C	R-07
Isophorone	ND	30000	"	"	"	"	"	"	R-07
2-Methylphenol	ND	100000	"	"	"	"	"	"	R-07
4-Methylphenol	ND	100000	"	"	"	"	"	"	R-07
Naphthalene	ND	30000	"	"	"	"	"	"	R-07
2-Nitroaniline	ND	30000	"	"	"	"	"	"	R-07
3-Nitroaniline	ND	30000	"	"	"	"	"	"	R-07
4-Nitroaniline	ND	30000	"	"	"	"	"	"	R-07
Nitrobenzene	ND	100000	"	"	"	"	"	"	R-07
2-Nitrophenol	ND	100000	"	"	"	"	"	"	R-07
N-Nitrosodimethylamine	ND	30000	"	"	"	"	"	"	R-07
N-Nitrosodiphenylamine	ND	30000	"	"	"	"	"	"	R-07
2,3,5,6-Tetrachlorophenol	ND	30000	"	"	"	"	"	"	R-07
2,3,4,6-Tetrachlorophenol	ND	30000	"	"	"	"	"	"	R-07
Phenanthrene	ND	30000	"	"	"	"	"	"	R-07
Azobenzene	ND	30000	"	"	"	"	"	"	R-07
Pyridine	ND	30000	"	"	"	"	"	"	R-07
2,4,5-Trichlorophenol	ND	100000	"	"	"	"	"	"	R-07
2,4,6-Trichlorophenol	ND	100000	"	"	"	"	"	"	R-07
Surrogate: 2-Fluorophenol		*44.0 %*	*15-121*		"	"	"	"	
Surrogate: Phenol-d6		*29.0 %*	*24-113*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*48.0 %*	*21.3-119*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*59.0 %*	*32.4-102*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*%*	*18.1-105*		"	"	"	"	*S-01*
Surrogate: Terphenyl-dl4		*90.0 %*	*29.1-130*		"	"	"	"	*R-07*

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

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T183753-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015B									
C4-C12 (GRO)	ND	710	ug/kg	1	8121930	12/19/18	12/26/18	EPA 8015B/5035	
Surrogate: a,a,a-Trifluorotoluene		*91.1 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015B									
C13-C22 (DRO)	ND	10	mg/kg	1	8122128	12/21/18	12/22/18	EPA 8015B	
C23-C32 (MORO)	**39**	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*72.9 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	8121831	12/18/18	12/19/18	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	**9.1**	5.0	"	"	"	"	"	"	
Barium	**150**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	12/19/18	"	
Cadmium	**11**	2.0	"	"	"	"	12/19/18	"	
Chromium	**18**	2.0	"	"	"	"	"	"	
Cobalt	**16**	2.0	"	"	"	"	"	"	
Copper	**27**	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	**13**	5.0	"	"	"	"	"	"	
Nickel	**33**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**39**	5.0	"	"	"	"	"	"	
Zinc	**68**	1.0	"	"	"	"	"	"	

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T183753-12 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	8121829	12/18/18	12/19/18	EPA 7471A Soil	
Organochlorine Pesticides by EPA Method 8081A									
alpha-BHC	ND	5.0	ug/kg	1	8121923	12/19/18	12/26/18	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4´-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4´-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4´-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*88.6 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*92.9 %*	*35-140*		"	"	"	"	

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

B7@10

T183753-12 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	10	ug/kg	1	8122129	12/21/18	12/27/18	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*74.6 %*		*35-140*	"	"	"	"	
Surrogate: Decachlorobiphenyl		*77.1 %*		*35-140*	"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.2	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
Bromochloromethane	ND	5.2	"	"	"	"	"	"	
Bromodichloromethane	ND	5.2	"	"	"	"	"	"	
Bromoform	ND	5.2	"	"	"	"	"	"	
Bromomethane	ND	5.2	"	"	"	"	"	"	
n-Butylbenzene	ND	5.2	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.2	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.2	"	"	"	"	"	"	
Chlorobenzene	ND	5.2	"	"	"	"	"	"	
Chloroethane	ND	5.2	"	"	"	"	"	"	
Chloroform	ND	5.2	"	"	"	"	"	"	
Chloromethane	ND	5.2	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.2	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.2	"	"	"	"	"	"	
Dibromochloromethane	ND	5.2	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.2	"	"	"	"	"	"	
Dibromomethane	ND	5.2	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.2	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.2	"	"	"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

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T183753-12 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	5.2	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
Dichlorodifluoromethane	ND	5.2	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.2	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.2	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.2	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.2	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.2	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.2	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.2	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.2	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.2	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.2	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.2	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.2	"	"	"	"	"	"	
Isopropylbenzene	ND	5.2	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.2	"	"	"	"	"	"	
Methylene chloride	ND	5.2	"	"	"	"	"	"	
Naphthalene	ND	5.2	"	"	"	"	"	"	
n-Propylbenzene	ND	5.2	"	"	"	"	"	"	
Styrene	ND	5.2	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.2	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.2	"	"	"	"	"	"	
Tetrachloroethene	ND	5.2	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.2	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.2	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.2	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.2	"	"	"	"	"	"	
Trichloroethene	ND	5.2	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.2	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.2	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.2	"	"	"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

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T183753-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Volatile Organic Compounds by EPA Method 8260B									
1,2,4-Trimethylbenzene	ND	5.2	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
Vinyl chloride	ND	5.2	"	"	"	"	"	"	
Benzene	ND	5.2	"	"	"	"	"	"	
Toluene	ND	5.2	"	"	"	"	"	"	
Ethylbenzene	ND	5.2	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.2	"	"	"	"	"	"	
Surrogate: Toluene-d8		*96.7 %*	*76.1-127*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*	*85.9-114*		"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*	*77.8-142*		"	"	"	"	
Semivolatile Organic Compounds by EPA Method 8270C									
Carbazole	ND	3000	ug/kg	10	8121932	12/19/18	12/27/18	EPA 8270C	R-07
Phenol	ND	10000	"	"	"	"	"	"	R-07
Aniline	ND	3000	"	"	"	"	"	"	R-07
2-Chlorophenol	ND	10000	"	"	"	"	"	"	R-07
1,4-Dichlorobenzene	ND	3000	"	"	"	"	"	"	R-07
N-Nitrosodi-n-propylamine	ND	3000	"	"	"	"	"	"	R-07
1,2,4-Trichlorobenzene	ND	3000	"	"	"	"	"	"	R-07
4-Chloro-3-methylphenol	ND	10000	"	"	"	"	"	"	R-07
2-Methylnaphthalene	ND	3000	"	"	"	"	"	"	R-07
1-Methylnaphthalene	ND	3000	"	"	"	"	"	"	R-07
Acenaphthene	ND	3000	"	"	"	"	"	"	R-07
4-Nitrophenol	ND	10000	"	"	"	"	"	"	R-07
2,4-Dinitrotoluene	ND	3000	"	"	"	"	"	"	R-07
Pentachlorophenol	ND	10000	"	"	"	"	"	"	R-07
Pyrene	ND	3000	"	"	"	"	"	"	R-07
Acenaphthylene	ND	3000	"	"	"	"	"	"	R-07
Anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (a) anthracene	ND	3000	"	"	"	"	"	"	R-07
Benzo (b) fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Benzo (k) fluoranthene	ND	3000	"	"	"	"	"	"	R-07

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T183753-12 (Soil)

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Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (g,h,i) perylene	ND	10000	ug/kg	10	8121932	12/19/18	12/27/18	EPA 8270C	R-07
Benzo (a) pyrene	ND	3000	"	"	"	"	"	"	R-07
Benzyl alcohol	ND	3000	"	"	"	"	"	"	R-07
Bis(2-chloroethoxy)methane	ND	3000	"	"	"	"	"	"	R-07
Bis(2-chloroethyl)ether	ND	3000	"	"	"	"	"	"	R-07
Bis(2-chloroisopropyl)ether	ND	3000	"	"	"	"	"	"	R-07
Bis(2-ethylhexyl)phthalate	ND	3000	"	"	"	"	"	"	R-07
4-Bromophenyl phenyl ether	ND	3000	"	"	"	"	"	"	R-07
Butyl benzyl phthalate	ND	3000	"	"	"	"	"	"	R-07
4-Chloroaniline	ND	3000	"	"	"	"	"	"	R-07
2-Chloronaphthalene	ND	3000	"	"	"	"	"	"	R-07
4-Chlorophenyl phenyl ether	ND	3000	"	"	"	"	"	"	R-07
Chrysene	ND	3000	"	"	"	"	"	"	R-07
Dibenz (a,h) anthracene	ND	3000	"	"	"	"	"	"	R-07
Dibenzofuran	ND	3000	"	"	"	"	"	"	R-07
Di-n-butyl phthalate	ND	3000	"	"	"	"	"	"	R-07
1,2-Dichlorobenzene	ND	3000	"	"	"	"	"	"	R-07
1,3-Dichlorobenzene	ND	3000	"	"	"	"	"	"	R-07
2,4-Dichlorophenol	ND	10000	"	"	"	"	"	"	R-07
Diethyl phthalate	ND	3000	"	"	"	"	"	"	R-07
2,4-Dimethylphenol	ND	10000	"	"	"	"	"	"	R-07
Dimethyl phthalate	ND	3000	"	"	"	"	"	"	R-07
4,6-Dinitro-2-methylphenol	ND	10000	"	"	"	"	"	"	R-07
2,4-Dinitrophenol	ND	10000	"	"	"	"	"	"	R-07
2,6-Dinitrotoluene	ND	10000	"	"	"	"	"	"	R-07
Di-n-octyl phthalate	ND	3000	"	"	"	"	"	"	R-07
Fluoranthene	ND	3000	"	"	"	"	"	"	R-07
Fluorene	ND	3000	"	"	"	"	"	"	R-07
Hexachlorobenzene	ND	15000	"	"	"	"	"	"	R-07
Hexachlorobutadiene	ND	3000	"	"	"	"	"	"	R-07
Hexachlorocyclopentadiene	ND	10000	"	"	"	"	"	"	R-07
Hexachloroethane	ND	3000	"	"	"	"	"	"	R-07

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T183753-12 (Soil)

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Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Indeno (1,2,3-cd) pyrene	ND	3000	ug/kg	10	8121932	12/19/18	12/27/18	EPA 8270C	R-07
Isophorone	ND	3000	"	"	"	"	"	"	R-07
2-Methylphenol	ND	10000	"	"	"	"	"	"	R-07
4-Methylphenol	ND	10000	"	"	"	"	"	"	R-07
Naphthalene	ND	3000	"	"	"	"	"	"	R-07
2-Nitroaniline	ND	3000	"	"	"	"	"	"	R-07
3-Nitroaniline	ND	3000	"	"	"	"	"	"	R-07
4-Nitroaniline	ND	3000	"	"	"	"	"	"	R-07
Nitrobenzene	ND	10000	"	"	"	"	"	"	R-07
2-Nitrophenol	ND	10000	"	"	"	"	"	"	R-07
N-Nitrosodimethylamine	ND	3000	"	"	"	"	"	"	R-07
N-Nitrosodiphenylamine	ND	3000	"	"	"	"	"	"	R-07
2,3,5,6-Tetrachlorophenol	ND	3000	"	"	"	"	"	"	R-07
2,3,4,6-Tetrachlorophenol	ND	3000	"	"	"	"	"	"	R-07
Phenanthrene	ND	3000	"	"	"	"	"	"	R-07
Azobenzene	ND	3000	"	"	"	"	"	"	R-07
Pyridine	ND	3000	"	"	"	"	"	"	R-07
2,4,5-Trichlorophenol	ND	10000	"	"	"	"	"	"	R-07
2,4,6-Trichlorophenol	ND	10000	"	"	"	"	"	"	R-07
Surrogate: 2-Fluorophenol		*50.5 %*	*15-121*		"	"	"	"	
Surrogate: Phenol-d6		*46.4 %*	*24-113*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*53.1 %*	*21.3-119*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*69.2 %*	*32.4-102*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*63.7 %*	*18.1-105*		"	"	"	"	
Surrogate: Terphenyl-dl4		*79.5 %*	*29.1-130*		"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

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T183753-13 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015B									
C4-C12 (GRO)	ND	550	ug/kg	1	8121930	12/19/18	12/27/18	EPA 8015B/5035	
Surrogate: a,a,a-Trifluorotoluene		*80.3 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015B									
C13-C22 (DRO)	ND	10	mg/kg	1	8122128	12/21/18	12/22/18	EPA 8015B	
C23-C32 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*78.1 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	8121831	12/18/18	12/19/18	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	**8.0**	5.0	"	"	"	"	"	"	
Barium	**120**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	**16**	2.0	"	"	"	"	"	"	
Cobalt	**11**	2.0	"	"	"	"	"	"	
Copper	**23**	1.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Molybdenum	**13**	5.0	"	"	"	"	"	"	
Nickel	**22**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**34**	5.0	"	"	"	"	"	"	
Zinc	**58**	1.0	"	"	"	"	"	"	

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T183753-13 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	8121829	12/18/18	12/19/18	EPA 7471A Soil	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	6.4	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
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	13	"	"	"	"	"	"	
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	"	"	"	"	"	"	

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T183753-13 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,2-Dichloropropane	ND	6.4	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
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	"	"	"	"	"	"	
Hexachlorobutadiene	ND	6.4	"	"	"	"	"	"	
Isopropylbenzene	ND	6.4	"	"	"	"	"	"	
p-Isopropyltoluene	ND	6.4	"	"	"	"	"	"	
Methylene chloride	ND	6.4	"	"	"	"	"	"	
Naphthalene	ND	6.4	"	"	"	"	"	"	
n-Propylbenzene	ND	6.4	"	"	"	"	"	"	
Styrene	ND	6.4	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	6.4	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	6.4	"	"	"	"	"	"	
Tetrachloroethene	ND	6.4	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	6.4	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	6.4	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	6.4	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	6.4	"	"	"	"	"	"	
Trichloroethene	ND	6.4	"	"	"	"	"	"	
Trichlorofluoromethane	ND	6.4	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	6.4	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	6.4	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	6.4	"	"	"	"	"	"	
Vinyl chloride	ND	6.4	"	"	"	"	"	"	
Benzene	ND	6.4	"	"	"	"	"	"	
Toluene	ND	6.4	"	"	"	"	"	"	
Ethylbenzene	ND	6.4	"	"	"	"	"	"	
m,p-Xylene	ND	13	"	"	"	"	"	"	
o-Xylene	ND	6.4	"	"	"	"	"	"	

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

B7@15

T183753-13 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
Surrogate: Toluene-d8		*92.8 %*		*76.1-127*	*8121928*	*12/19/18*	*12/21/18*	*EPA 8260B/5035*	
Surrogate: 4-Bromofluorobenzene		*102 %*		*85.9-114*	"	"	"	"	
Surrogate: Dibromofluoromethane		*99.4 %*		*77.8-142*	"	"	"	"	
Semivolatile Organic Compounds by EPA Method 8270C									
Carbazole	ND	300	ug/kg	1	8121932	12/19/18	12/27/18	EPA 8270C	
Phenol	ND	1000	"	"	"	"	"	"	
Aniline	ND	300	"	"	"	"	"	"	
2-Chlorophenol	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1000	"	"	"	"	"	"	
2-Methylnaphthalene	ND	300	"	"	"	"	"	"	
1-Methylnaphthalene	ND	300	"	"	"	"	"	"	
Acenaphthene	ND	300	"	"	"	"	"	"	
4-Nitrophenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	300	"	"	"	"	"	"	
Pentachlorophenol	ND	1000	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Benzyl alcohol	ND	300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	300	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	300	"	"	"	"	"	"	

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T183753-13 (Soil)

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Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4-Bromophenyl phenyl ether	ND	300	ug/kg	1	8121932	12/19/18	12/27/18	EPA 8270C	
Butyl benzyl phthalate	ND	300	"	"	"	"	"	"	
4-Chloroaniline	ND	300	"	"	"	"	"	"	
2-Chloronaphthalene	ND	300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Dibenzofuran	ND	300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1000	"	"	"	"	"	"	
Diethyl phthalate	ND	300	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1000	"	"	"	"	"	"	
Dimethyl phthalate	ND	300	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Hexachlorobenzene	ND	1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND	300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	1000	"	"	"	"	"	"	
Hexachloroethane	ND	300	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"	
Isophorone	ND	300	"	"	"	"	"	"	
2-Methylphenol	ND	1000	"	"	"	"	"	"	
4-Methylphenol	ND	1000	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
2-Nitroaniline	ND	300	"	"	"	"	"	"	
3-Nitroaniline	ND	300	"	"	"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

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T183753-13 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4-Nitroaniline	ND	300	ug/kg	1	8121932	12/19/18	12/27/18	EPA 8270C	
Nitrobenzene	ND	1000	"	"	"	"	"	"	
2-Nitrophenol	ND	1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
Azobenzene	ND	300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	1000	"	"	"	"	"	"	
Pyridine	ND	300	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*64.4 %*	*15-121*		"	"	"	"	
Surrogate: Phenol-d6		*63.3 %*	*24-113*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*68.6 %*	*21.3-119*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*81.7 %*	*32.4-102*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*94.0 %*	*18.1-105*		"	"	"	"	
Surrogate: Terphenyl-dl4		*96.8 %*	*29.1-130*		"	"	"	"	

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T183753-14 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015B									
C4-C12 (GRO)	ND	520	ug/kg	1	8121930	12/19/18	12/27/18	EPA 8015B/5035	
Surrogate: a,a,a-Trifluorotoluene		*89.3 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015B									
C13-C22 (DRO)	ND	10	mg/kg	1	8122128	12/21/18	12/22/18	EPA 8015B	
C23-C32 (MORO)	**120**	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*79.2 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	8121831	12/18/18	12/19/18	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	**11**	5.0	"	"	"	"	"	"	
Barium	**140**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	12/19/18	"	
Cadmium	ND	2.0	"	"	"	"	12/19/18	"	
Chromium	**17**	2.0	"	"	"	"	"	"	
Cobalt	**20**	2.0	"	"	"	"	"	"	
Copper	**31**	1.0	"	"	"	"	"	"	
Lead	**10**	3.0	"	"	"	"	"	"	
Molybdenum	**12**	5.0	"	"	"	"	"	"	
Nickel	**22**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**38**	5.0	"	"	"	"	"	"	
Zinc	**72**	1.0	"	"	"	"	"	"	

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T183753-14 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	8121829	12/18/18	12/19/18	EPA 7471A Soil	
Organochlorine Pesticides by EPA Method 8081A									
alpha-BHC	ND	5.0	ug/kg	1	8121923	12/19/18	12/26/18	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4´-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4´-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4´-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*82.3 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*87.3 %*	*35-140*		"	"	"	"	

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T183753-14 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	10	ug/kg	1	8122129	12/21/18	12/27/18	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*79.6 %*		*35-140*	"	"	"	"	
Surrogate: Decachlorobiphenyl		*71.8 %*		*35-140*	"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	8.2	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
Bromochloromethane	ND	8.2	"	"	"	"	"	"	
Bromodichloromethane	ND	8.2	"	"	"	"	"	"	
Bromoform	ND	8.2	"	"	"	"	"	"	
Bromomethane	ND	8.2	"	"	"	"	"	"	
n-Butylbenzene	ND	8.2	"	"	"	"	"	"	
sec-Butylbenzene	ND	8.2	"	"	"	"	"	"	
tert-Butylbenzene	ND	8.2	"	"	"	"	"	"	
Carbon tetrachloride	ND	8.2	"	"	"	"	"	"	
Chlorobenzene	ND	8.2	"	"	"	"	"	"	
Chloroethane	ND	8.2	"	"	"	"	"	"	
Chloroform	ND	8.2	"	"	"	"	"	"	
Chloromethane	ND	8.2	"	"	"	"	"	"	
2-Chlorotoluene	ND	8.2	"	"	"	"	"	"	
4-Chlorotoluene	ND	8.2	"	"	"	"	"	"	
Dibromochloromethane	ND	8.2	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	16	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	8.2	"	"	"	"	"	"	
Dibromomethane	ND	8.2	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	8.2	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	8.2	"	"	"	"	"	"	

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T183753-14 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	8.2	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
Dichlorodifluoromethane	ND	8.2	"	"	"	"	"	"	
1,1-Dichloroethane	ND	8.2	"	"	"	"	"	"	
1,2-Dichloroethane	ND	8.2	"	"	"	"	"	"	
1,1-Dichloroethene	ND	8.2	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	8.2	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	8.2	"	"	"	"	"	"	
1,2-Dichloropropane	ND	8.2	"	"	"	"	"	"	
1,3-Dichloropropane	ND	8.2	"	"	"	"	"	"	
2,2-Dichloropropane	ND	8.2	"	"	"	"	"	"	
1,1-Dichloropropene	ND	8.2	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	8.2	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	8.2	"	"	"	"	"	"	
Hexachlorobutadiene	ND	8.2	"	"	"	"	"	"	
Isopropylbenzene	ND	8.2	"	"	"	"	"	"	
p-Isopropyltoluene	ND	8.2	"	"	"	"	"	"	
Methylene chloride	ND	8.2	"	"	"	"	"	"	
Naphthalene	ND	8.2	"	"	"	"	"	"	
n-Propylbenzene	ND	8.2	"	"	"	"	"	"	
Styrene	ND	8.2	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	8.2	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	8.2	"	"	"	"	"	"	
Tetrachloroethene	ND	8.2	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	8.2	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	8.2	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	8.2	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	8.2	"	"	"	"	"	"	
Trichloroethene	ND	8.2	"	"	"	"	"	"	
Trichlorofluoromethane	ND	8.2	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	8.2	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	8.2	"	"	"	"	"	"	

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

B8@1

T183753-14 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
1,2,4-Trimethylbenzene	ND	8.2	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
Vinyl chloride	ND	8.2	"	"	"	"	"	"	
Benzene	ND	8.2	"	"	"	"	"	"	
Toluene	ND	8.2	"	"	"	"	"	"	
Ethylbenzene	ND	8.2	"	"	"	"	"	"	
m,p-Xylene	**23**	16	"	"	"	"	"	"	
o-Xylene	**8.2**	8.2	"	"	"	"	"	"	
Surrogate: Toluene-d8		*95.7 %*	*76.1-127*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*	*85.9-114*		"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*	*77.8-142*		"	"	"	"	
Semivolatile Organic Compounds by EPA Method 8270C									
Carbazole	ND	30000	ug/kg	100	8121932	12/19/18	12/27/18	EPA 8270C	R-07
Phenol	ND	100000	"	"	"	"	"	"	R-07
Aniline	ND	30000	"	"	"	"	"	"	R-07
2-Chlorophenol	ND	100000	"	"	"	"	"	"	R-07
1,4-Dichlorobenzene	ND	30000	"	"	"	"	"	"	R-07
N-Nitrosodi-n-propylamine	ND	30000	"	"	"	"	"	"	R-07
1,2,4-Trichlorobenzene	ND	30000	"	"	"	"	"	"	R-07
4-Chloro-3-methylphenol	ND	100000	"	"	"	"	"	"	R-07
2-Methylnaphthalene	ND	30000	"	"	"	"	"	"	R-07
1-Methylnaphthalene	ND	30000	"	"	"	"	"	"	R-07
Acenaphthene	ND	30000	"	"	"	"	"	"	R-07
4-Nitrophenol	ND	100000	"	"	"	"	"	"	R-07
2,4-Dinitrotoluene	ND	30000	"	"	"	"	"	"	R-07
Pentachlorophenol	ND	100000	"	"	"	"	"	"	R-07
Pyrene	ND	30000	"	"	"	"	"	"	R-07
Acenaphthylene	ND	30000	"	"	"	"	"	"	R-07
Anthracene	ND	30000	"	"	"	"	"	"	R-07
Benzo (a) anthracene	ND	30000	"	"	"	"	"	"	R-07
Benzo (b) fluoranthene	ND	30000	"	"	"	"	"	"	R-07
Benzo (k) fluoranthene	ND	30000	"	"	"	"	"	"	R-07

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T183753-14 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (g,h,i) perylene	ND	100000	ug/kg	100	8121932	12/19/18	12/27/18	EPA 8270C	R-07
Benzo (a) pyrene	ND	30000	"	"	"	"	"	"	R-07
Benzyl alcohol	ND	30000	"	"	"	"	"	"	R-07
Bis(2-chloroethoxy)methane	ND	30000	"	"	"	"	"	"	R-07
Bis(2-chloroethyl)ether	ND	30000	"	"	"	"	"	"	R-07
Bis(2-chloroisopropyl)ether	ND	30000	"	"	"	"	"	"	R-07
Bis(2-ethylhexyl)phthalate	ND	30000	"	"	"	"	"	"	R-07
4-Bromophenyl phenyl ether	ND	30000	"	"	"	"	"	"	R-07
Butyl benzyl phthalate	ND	30000	"	"	"	"	"	"	R-07
4-Chloroaniline	ND	30000	"	"	"	"	"	"	R-07
2-Chloronaphthalene	ND	30000	"	"	"	"	"	"	R-07
4-Chlorophenyl phenyl ether	ND	30000	"	"	"	"	"	"	R-07
Chrysene	ND	30000	"	"	"	"	"	"	R-07
Dibenz (a,h) anthracene	ND	30000	"	"	"	"	"	"	R-07
Dibenzofuran	ND	30000	"	"	"	"	"	"	R-07
Di-n-butyl phthalate	ND	30000	"	"	"	"	"	"	R-07
1,2-Dichlorobenzene	ND	30000	"	"	"	"	"	"	R-07
1,3-Dichlorobenzene	ND	30000	"	"	"	"	"	"	R-07
2,4-Dichlorophenol	ND	100000	"	"	"	"	"	"	R-07
Diethyl phthalate	ND	30000	"	"	"	"	"	"	R-07
2,4-Dimethylphenol	ND	100000	"	"	"	"	"	"	R-07
Dimethyl phthalate	ND	30000	"	"	"	"	"	"	R-07
4,6-Dinitro-2-methylphenol	ND	100000	"	"	"	"	"	"	R-07
2,4-Dinitrophenol	ND	100000	"	"	"	"	"	"	R-07
2,6-Dinitrotoluene	ND	100000	"	"	"	"	"	"	R-07
Di-n-octyl phthalate	ND	30000	"	"	"	"	"	"	R-07
Fluoranthene	ND	30000	"	"	"	"	"	"	R-07
Fluorene	ND	30000	"	"	"	"	"	"	R-07
Hexachlorobenzene	ND	150000	"	"	"	"	"	"	R-07
Hexachlorobutadiene	ND	30000	"	"	"	"	"	"	R-07
Hexachlorocyclopentadiene	ND	100000	"	"	"	"	"	"	R-07
Hexachloroethane	ND	30000	"	"	"	"	"	"	R-07

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T183753-14 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Indeno (1,2,3-cd) pyrene	ND	30000	ug/kg	100	8121932	12/19/18	12/27/18	EPA 8270C	R-07
Isophorone	ND	30000	"	"	"	"	"	"	R-07
2-Methylphenol	ND	100000	"	"	"	"	"	"	R-07
4-Methylphenol	ND	100000	"	"	"	"	"	"	R-07
Naphthalene	ND	30000	"	"	"	"	"	"	R-07
2-Nitroaniline	ND	30000	"	"	"	"	"	"	R-07
3-Nitroaniline	ND	30000	"	"	"	"	"	"	R-07
4-Nitroaniline	ND	30000	"	"	"	"	"	"	R-07
Nitrobenzene	ND	100000	"	"	"	"	"	"	R-07
2-Nitrophenol	ND	100000	"	"	"	"	"	"	R-07
N-Nitrosodimethylamine	ND	30000	"	"	"	"	"	"	R-07
N-Nitrosodiphenylamine	ND	30000	"	"	"	"	"	"	R-07
2,3,5,6-Tetrachlorophenol	ND	30000	"	"	"	"	"	"	R-07
2,3,4,6-Tetrachlorophenol	ND	30000	"	"	"	"	"	"	R-07
Phenanthrene	ND	30000	"	"	"	"	"	"	R-07
Azobenzene	ND	30000	"	"	"	"	"	"	R-07
Pyridine	ND	30000	"	"	"	"	"	"	R-07
2,4,5-Trichlorophenol	ND	100000	"	"	"	"	"	"	R-07
2,4,6-Trichlorophenol	ND	100000	"	"	"	"	"	"	R-07
Surrogate: 2-Fluorophenol		*50.0 %*	*15-121*		"	"	"	"	
Surrogate: Phenol-d6		*38.0 %*	*24-113*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*61.0 %*	*21.3-119*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*52.0 %*	*32.4-102*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*36.0 %*	*18.1-105*		"	"	"	"	
Surrogate: Terphenyl-dl4		*101 %*	*29.1-130*		"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

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T183753-15 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015B									
C4-C12 (GRO)	ND	600	ug/kg	1	8121930	12/19/18	12/27/18	EPA 8015B/5035	
Surrogate: a,a,a-Trifluorotoluene		*88.1 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015B									
C13-C22 (DRO)	ND	10	mg/kg	1	8122128	12/21/18	12/22/18	EPA 8015B	
C23-C32 (MORO)	**510**	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*83.7 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	8121831	12/18/18	12/19/18	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	**9.4**	5.0	"	"	"	"	"	"	
Barium	**130**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	"	"	
Cadmium	ND	2.0	"	"	"	"	"	"	
Chromium	**18**	2.0	"	"	"	"	"	"	
Cobalt	**13**	2.0	"	"	"	"	"	"	
Copper	**35**	1.0	"	"	"	"	"	"	
Lead	**9.9**	3.0	"	"	"	"	"	"	
Molybdenum	**15**	5.0	"	"	"	"	"	"	
Nickel	**34**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**42**	5.0	"	"	"	"	"	"	
Zinc	**71**	1.0	"	"	"	"	"	"	

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T183753-15 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cold Vapor Extraction EPA 7470/7471									
Mercury	**0.12**	0.10	mg/kg	1	8121829	12/18/18	12/19/18	EPA 7471A Soil	
Organochlorine Pesticides by EPA Method 8081A									
alpha-BHC	ND	50	ug/kg	10	8121923	12/19/18	12/26/18	EPA 8081A	R-07
gamma-BHC (Lindane)	ND	50	"	"	"	"	"	"	R-07
beta-BHC	ND	50	"	"	"	"	"	"	R-07
delta-BHC	ND	50	"	"	"	"	"	"	R-07
Heptachlor	ND	50	"	"	"	"	"	"	R-07
Aldrin	ND	50	"	"	"	"	"	"	R-07
Heptachlor epoxide	ND	50	"	"	"	"	"	"	R-07
gamma-Chlordane	ND	50	"	"	"	"	"	"	R-07
alpha-Chlordane	ND	50	"	"	"	"	"	"	R-07
Endosulfan I	ND	50	"	"	"	"	"	"	R-07
4,4´-DDE	ND	50	"	"	"	"	"	"	R-07
Dieldrin	ND	50	"	"	"	"	"	"	R-07
Endrin	ND	50	"	"	"	"	"	"	R-07
4,4´-DDD	ND	50	"	"	"	"	"	"	R-07
Endosulfan II	ND	50	"	"	"	"	"	"	R-07
4,4´-DDT	ND	50	"	"	"	"	"	"	R-07
Endrin aldehyde	ND	50	"	"	"	"	"	"	R-07
Endosulfan sulfate	ND	50	"	"	"	"	"	"	R-07
Methoxychlor	ND	50	"	"	"	"	"	"	R-07
Endrin ketone	ND	50	"	"	"	"	"	"	R-07
Toxaphene	ND	200	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		*74.0 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*73.9 %*	*35-140*		"	"	"	"	

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T183753-15 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	10	ug/kg	1	8122129	12/21/18	12/27/18	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*75.6 %*		*35-140*	"	"	"	"	
Surrogate: Decachlorobiphenyl		*71.3 %*		*35-140*	"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.9	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
Bromochloromethane	ND	5.9	"	"	"	"	"	"	
Bromodichloromethane	ND	5.9	"	"	"	"	"	"	
Bromoform	ND	5.9	"	"	"	"	"	"	
Bromomethane	ND	5.9	"	"	"	"	"	"	
n-Butylbenzene	ND	5.9	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.9	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.9	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.9	"	"	"	"	"	"	
Chlorobenzene	ND	5.9	"	"	"	"	"	"	
Chloroethane	ND	5.9	"	"	"	"	"	"	
Chloroform	ND	5.9	"	"	"	"	"	"	
Chloromethane	ND	5.9	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.9	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.9	"	"	"	"	"	"	
Dibromochloromethane	ND	5.9	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	12	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.9	"	"	"	"	"	"	
Dibromomethane	ND	5.9	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.9	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.9	"	"	"	"	"	"	

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T183753-15 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	5.9	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
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	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.9	"	"	"	"	"	"	
Isopropylbenzene	ND	5.9	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.9	"	"	"	"	"	"	
Methylene chloride	ND	5.9	"	"	"	"	"	"	
Naphthalene	ND	5.9	"	"	"	"	"	"	
n-Propylbenzene	ND	5.9	"	"	"	"	"	"	
Styrene	ND	5.9	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.9	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.9	"	"	"	"	"	"	
Tetrachloroethene	ND	5.9	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.9	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.9	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.9	"	"	"	"	"	"	
Trichloroethene	ND	5.9	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.9	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.9	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.9	"	"	"	"	"	"	

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B8@5

T183753-15 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
1,2,4-Trimethylbenzene	ND	5.9	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
Vinyl chloride	ND	5.9	"	"	"	"	"	"	
Benzene	ND	5.9	"	"	"	"	"	"	
Toluene	ND	5.9	"	"	"	"	"	"	
Ethylbenzene	**7.2**	5.9	"	"	"	"	"	"	
m,p-Xylene	ND	12	"	"	"	"	"	"	
o-Xylene	ND	5.9	"	"	"	"	"	"	
Surrogate: Toluene-d8		*97.5 %*	*76.1-127*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.6 %*	*85.9-114*		"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*	*77.8-142*		"	"	"	"	
Semivolatile Organic Compounds by EPA Method 8270C									
Carbazole	ND	30000	ug/kg	100	8121932	12/19/18	12/27/18	EPA 8270C	R-07
Phenol	ND	100000	"	"	"	"	"	"	R-07
Aniline	ND	30000	"	"	"	"	"	"	R-07
2-Chlorophenol	ND	100000	"	"	"	"	"	"	R-07
1,4-Dichlorobenzene	ND	30000	"	"	"	"	"	"	R-07
N-Nitrosodi-n-propylamine	ND	30000	"	"	"	"	"	"	R-07
1,2,4-Trichlorobenzene	ND	30000	"	"	"	"	"	"	R-07
4-Chloro-3-methylphenol	ND	100000	"	"	"	"	"	"	R-07
2-Methylnaphthalene	ND	30000	"	"	"	"	"	"	R-07
1-Methylnaphthalene	ND	30000	"	"	"	"	"	"	R-07
Acenaphthene	ND	30000	"	"	"	"	"	"	R-07
4-Nitrophenol	ND	100000	"	"	"	"	"	"	R-07
2,4-Dinitrotoluene	ND	30000	"	"	"	"	"	"	R-07
Pentachlorophenol	ND	100000	"	"	"	"	"	"	R-07
Pyrene	ND	30000	"	"	"	"	"	"	R-07
Acenaphthylene	ND	30000	"	"	"	"	"	"	R-07
Anthracene	ND	30000	"	"	"	"	"	"	R-07
Benzo (a) anthracene	ND	30000	"	"	"	"	"	"	R-07
Benzo (b) fluoranthene	ND	30000	"	"	"	"	"	"	R-07
Benzo (k) fluoranthene	ND	30000	"	"	"	"	"	"	R-07

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24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

B8@5

T183753-15 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (g,h,i) perylene	ND	100000	ug/kg	100	8121932	12/19/18	12/27/18	EPA 8270C	R-07
Benzo (a) pyrene	ND	30000	"	"	"	"	"	"	R-07
Benzyl alcohol	ND	30000	"	"	"	"	"	"	R-07
Bis(2-chloroethoxy)methane	ND	30000	"	"	"	"	"	"	R-07
Bis(2-chloroethyl)ether	ND	30000	"	"	"	"	"	"	R-07
Bis(2-chloroisopropyl)ether	ND	30000	"	"	"	"	"	"	R-07
Bis(2-ethylhexyl)phthalate	ND	30000	"	"	"	"	"	"	R-07
4-Bromophenyl phenyl ether	ND	30000	"	"	"	"	"	"	R-07
Butyl benzyl phthalate	ND	30000	"	"	"	"	"	"	R-07
4-Chloroaniline	ND	30000	"	"	"	"	"	"	R-07
2-Chloronaphthalene	ND	30000	"	"	"	"	"	"	R-07
4-Chlorophenyl phenyl ether	ND	30000	"	"	"	"	"	"	R-07
Chrysene	ND	30000	"	"	"	"	"	"	R-07
Dibenz (a,h) anthracene	ND	30000	"	"	"	"	"	"	R-07
Dibenzofuran	ND	30000	"	"	"	"	"	"	R-07
Di-n-butyl phthalate	ND	30000	"	"	"	"	"	"	R-07
1,2-Dichlorobenzene	ND	30000	"	"	"	"	"	"	R-07
1,3-Dichlorobenzene	ND	30000	"	"	"	"	"	"	R-07
2,4-Dichlorophenol	ND	100000	"	"	"	"	"	"	R-07
Diethyl phthalate	ND	30000	"	"	"	"	"	"	R-07
2,4-Dimethylphenol	ND	100000	"	"	"	"	"	"	R-07
Dimethyl phthalate	ND	30000	"	"	"	"	"	"	R-07
4,6-Dinitro-2-methylphenol	ND	100000	"	"	"	"	"	"	R-07
2,4-Dinitrophenol	ND	100000	"	"	"	"	"	"	R-07
2,6-Dinitrotoluene	ND	100000	"	"	"	"	"	"	R-07
Di-n-octyl phthalate	ND	30000	"	"	"	"	"	"	R-07
Fluoranthene	ND	30000	"	"	"	"	"	"	R-07
Fluorene	ND	30000	"	"	"	"	"	"	R-07
Hexachlorobenzene	ND	150000	"	"	"	"	"	"	R-07
Hexachlorobutadiene	ND	30000	"	"	"	"	"	"	R-07
Hexachlorocyclopentadiene	ND	100000	"	"	"	"	"	"	R-07
Hexachloroethane	ND	30000	"	"	"	"	"	"	R-07

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T183753-15 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Indeno (1,2,3-cd) pyrene	ND	30000	ug/kg	100	8121932	12/19/18	12/27/18	EPA 8270C	R-07
Isophorone	ND	30000	"	"	"	"	"	"	R-07
2-Methylphenol	ND	100000	"	"	"	"	"	"	R-07
4-Methylphenol	ND	100000	"	"	"	"	"	"	R-07
Naphthalene	ND	30000	"	"	"	"	"	"	R-07
2-Nitroaniline	ND	30000	"	"	"	"	"	"	R-07
3-Nitroaniline	ND	30000	"	"	"	"	"	"	R-07
4-Nitroaniline	ND	30000	"	"	"	"	"	"	R-07
Nitrobenzene	ND	100000	"	"	"	"	"	"	R-07
2-Nitrophenol	ND	100000	"	"	"	"	"	"	R-07
N-Nitrosodimethylamine	ND	30000	"	"	"	"	"	"	R-07
N-Nitrosodiphenylamine	ND	30000	"	"	"	"	"	"	R-07
2,3,5,6-Tetrachlorophenol	ND	30000	"	"	"	"	"	"	R-07
2,3,4,6-Tetrachlorophenol	ND	30000	"	"	"	"	"	"	R-07
Phenanthrene	ND	30000	"	"	"	"	"	"	R-07
Azobenzene	ND	30000	"	"	"	"	"	"	R-07
Pyridine	ND	30000	"	"	"	"	"	"	R-07
2,4,5-Trichlorophenol	ND	100000	"	"	"	"	"	"	R-07
2,4,6-Trichlorophenol	ND	100000	"	"	"	"	"	"	R-07
Surrogate: 2-Fluorophenol		*57.0 %*	*15-121*		"	"	"	"	
Surrogate: Phenol-d6		*29.0 %*	*24-113*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*62.0 %*	*21.3-119*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*78.0 %*	*32.4-102*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*25.0 %*	*18.1-105*		"	"	"	"	
Surrogate: Terphenyl-dl4		*94.0 %*	*29.1-130*		"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

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T183753-16 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015B									
C4-C12 (GRO)	ND	560	ug/kg	1	8121930	12/19/18	12/27/18	EPA 8015B/5035	
Surrogate: a,a,a-Trifluorotoluene		*80.0 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015B									
C13-C22 (DRO)	ND	10	mg/kg	1	8122128	12/21/18	12/22/18	EPA 8015B	
C23-C32 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		*78.7 %*	*65-135*		"	"	"	"	
Metals by EPA 6010B									
Antimony	ND	3.0	mg/kg	1	8121831	12/18/18	12/19/18	EPA 6010b	
Silver	ND	2.0	"	"	"	"	"	"	
Arsenic	**9.9**	5.0	"	"	"	"	"	"	
Barium	**70**	1.0	"	"	"	"	"	"	
Beryllium	ND	1.0	"	"	"	"	12/19/18	"	
Cadmium	ND	2.0	"	"	"	"	12/19/18	"	
Chromium	**16**	2.0	"	"	"	"	"	"	
Cobalt	**15**	2.0	"	"	"	"	"	"	
Copper	**30**	1.0	"	"	"	"	"	"	
Lead	**9.8**	3.0	"	"	"	"	"	"	
Molybdenum	**11**	5.0	"	"	"	"	"	"	
Nickel	**23**	2.0	"	"	"	"	"	"	
Selenium	ND	5.0	"	"	"	"	"	"	
Thallium	ND	2.0	"	"	"	"	"	"	
Vanadium	**37**	5.0	"	"	"	"	"	"	
Zinc	**76**	1.0	"	"	"	"	"	"	

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T183753-16 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Cold Vapor Extraction EPA 7470/7471									
Mercury	ND	0.10	mg/kg	1	8121829	12/18/18	12/19/18	EPA 7471A Soil	
Organochlorine Pesticides by EPA Method 8081A									
alpha-BHC	ND	5.0	ug/kg	1	8121923	12/19/18	12/26/18	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4´-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4´-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4´-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*80.8 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*84.5 %*	*35-140*		"	"	"	"	

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T183753-16 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	10	ug/kg	1	8122129	12/21/18	12/27/18	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*63.0 %*	*35-140*		"	"	"	"	
Surrogate: Decachlorobiphenyl		*69.1 %*	*35-140*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	5.7	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
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	11	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.7	"	"	"	"	"	"	
Dibromomethane	ND	5.7	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.7	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.7	"	"	"	"	"	"	

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T183753-16 (Soil)

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	5.7	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
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	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.7	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.7	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.7	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.7	"	"	"	"	"	"	
Isopropylbenzene	ND	5.7	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.7	"	"	"	"	"	"	
Methylene chloride	ND	5.7	"	"	"	"	"	"	
Naphthalene	ND	5.7	"	"	"	"	"	"	
n-Propylbenzene	ND	5.7	"	"	"	"	"	"	
Styrene	ND	5.7	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.7	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.7	"	"	"	"	"	"	
Tetrachloroethene	ND	5.7	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.7	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.7	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.7	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.7	"	"	"	"	"	"	
Trichloroethene	ND	5.7	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.7	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.7	"	"	"	"	"	"	

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T183753-16 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
1,2,4-Trimethylbenzene	ND	5.7	ug/kg	1	8121928	12/19/18	12/21/18	EPA 8260B/5035	
Vinyl chloride	ND	5.7	"	"	"	"	"	"	
Benzene	ND	5.7	"	"	"	"	"	"	
Toluene	ND	5.7	"	"	"	"	"	"	
Ethylbenzene	**10**	5.7	"	"	"	"	"	"	
m,p-Xylene	**17**	11	"	"	"	"	"	"	
o-Xylene	**5.8**	5.7	"	"	"	"	"	"	
Surrogate: Toluene-d8		*94.5 %*	*76.1-127*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.2 %*	*85.9-114*		"	"	"	"	
Surrogate: Dibromofluoromethane		*104 %*	*77.8-142*		"	"	"	"	
Semivolatile Organic Compounds by EPA Method 8270C									
Carbazole	ND	300	ug/kg	1	8121932	12/19/18	12/27/18	EPA 8270C	
Aniline	ND	300	"	"	"	"	"	"	
Phenol	ND	1000	"	"	"	"	"	"	
2-Chlorophenol	ND	1000	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	300	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	300	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	1000	"	"	"	"	"	"	
2-Methylnaphthalene	ND	300	"	"	"	"	"	"	
1-Methylnaphthalene	ND	300	"	"	"	"	"	"	
Acenaphthene	ND	300	"	"	"	"	"	"	
4-Nitrophenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	300	"	"	"	"	"	"	
Pentachlorophenol	ND	1000	"	"	"	"	"	"	
Pyrene	ND	300	"	"	"	"	"	"	
Acenaphthylene	ND	300	"	"	"	"	"	"	
Anthracene	ND	300	"	"	"	"	"	"	
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

B8@9

T183753-16 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzo (g,h,i) perylene	ND	1000	ug/kg	1	8121932	12/19/18	12/27/18	EPA 8270C	
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	
Benzyl alcohol	ND	300	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	300	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	300	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	300	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Butyl benzyl phthalate	ND	300	"	"	"	"	"	"	
4-Chloroaniline	ND	300	"	"	"	"	"	"	
2-Chloronaphthalene	ND	300	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	300	"	"	"	"	"	"	
Chrysene	ND	300	"	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	
Dibenzofuran	ND	300	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	300	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	300	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	300	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	1000	"	"	"	"	"	"	
Diethyl phthalate	ND	300	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	1000	"	"	"	"	"	"	
Dimethyl phthalate	ND	300	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	1000	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	1000	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	1000	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	300	"	"	"	"	"	"	
Fluoranthene	ND	300	"	"	"	"	"	"	
Fluorene	ND	300	"	"	"	"	"	"	
Hexachlorobenzene	ND	1500	"	"	"	"	"	"	
Hexachlorobutadiene	ND	300	"	"	"	"	"	"	
Hexachlorocyclopentadiene	ND	1000	"	"	"	"	"	"	
Hexachloroethane	ND	300	"	"	"	"	"	"	

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T183753-16 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Indeno (1,2,3-cd) pyrene	ND	300	ug/kg	1	8121932	12/19/18	12/27/18	EPA 8270C	
Isophorone	ND	300	"	"	"	"	"	"	
2-Methylphenol	ND	1000	"	"	"	"	"	"	
4-Methylphenol	ND	1000	"	"	"	"	"	"	
Naphthalene	ND	300	"	"	"	"	"	"	
2-Nitroaniline	ND	300	"	"	"	"	"	"	
3-Nitroaniline	ND	300	"	"	"	"	"	"	
4-Nitroaniline	ND	300	"	"	"	"	"	"	
Nitrobenzene	ND	1000	"	"	"	"	"	"	
2-Nitrophenol	ND	1000	"	"	"	"	"	"	
N-Nitrosodimethylamine	ND	300	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	300	"	"	"	"	"	"	
2,3,5,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
2,3,4,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	
Phenanthrene	ND	300	"	"	"	"	"	"	
Azobenzene	ND	300	"	"	"	"	"	"	
Pyridine	ND	300	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	1000	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	1000	"	"	"	"	"	"	
Surrogate: 2-Fluorophenol		*51.1 %*	*15-121*		"	"	"	"	
Surrogate: Phenol-d6		*50.0 %*	*24-113*		"	"	"	"	
Surrogate: Nitrobenzene-d5		*56.0 %*	*21.3-119*		"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*64.2 %*	*32.4-102*		"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*76.4 %*	*18.1-105*		"	"	"	"	
Surrogate: Terphenyl-dl4		*94.7 %*	*29.1-130*		"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

Purgeable Petroleum Hydrocarbons by EPA 8015B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8121930 - EPA 5035 GC										
Blank (8121930-BLK1)				Prepared: 12/19/18 Analyzed: 12/26/18						
C4-C12 (GRO)	0.00		ug/kg							
C6-C12 (GRO)	ND	500	"							
Surrogate: a,a,a-Trifluorotoluene	*86.8*		"	*100*		*86.8*	*65-135*			
LCS (8121930-BS1)				Prepared: 12/19/18 Analyzed: 12/26/18						
C4-C12 (GRO)	10100		ug/kg	10600		95.0	75-125			
Surrogate: a,a,a-Trifluorotoluene	*95.3*		"	*100*		*95.3*	*65-135*			
LCS Dup (8121930-BSD1)				Prepared: 12/19/18 Analyzed: 12/26/18						
C4-C12 (GRO)	9790		ug/kg	10800		90.6	75-125	2.98	20	
Surrogate: a,a,a-Trifluorotoluene	*93.9*		"	*100*		*93.9*	*65-135*			

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Extractable Petroleum Hydrocarbons by 8015B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8122128 - EPA 3550B GC										
Blank (8122128-BLK1)				Prepared: 12/21/18 Analyzed: 12/22/18						
C13-C22 (DRO)	ND	10	mg/kg							
C23-C32 (MORO)	ND	10	"							
Surrogate: p-Terphenyl	*87.7*		"	*101*		*86.8*	*65-135*			
LCS (8122128-BS1)				Prepared: 12/21/18 Analyzed: 12/22/18						
C13-C22 (DRO)	420	10	mg/kg	505		82.6	75-125			
Surrogate: p-Terphenyl	*86.8*		"	*101*		*85.9*	*65-135*			
LCS Dup (8122128-BSD1)				Prepared: 12/21/18 Analyzed: 12/22/18						
C13-C22 (DRO)	420	10	mg/kg	505		82.4	75-125	0.160	20	
Surrogate: p-Terphenyl	*83.0*		"	*101*		*82.2*	*65-135*			

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

Metals by EPA 6010B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8121831 - EPA 3050B										
Blank (8121831-BLK1)				Prepared: 12/18/18 Analyzed: 12/19/18						
Antimony	ND	3.0	mg/kg							
Silver	ND	2.0	"							
Arsenic	ND	5.0	"							
Barium	ND	1.0	"							
Beryllium	ND	1.0	"							
Cadmium	ND	2.0	"							
Chromium	ND	2.0	"							
Cobalt	ND	2.0	"							
Copper	ND	1.0	"							
Lead	ND	3.0	"							
Molybdenum	ND	5.0	"							
Nickel	ND	2.0	"							
Selenium	ND	5.0	"							
Thallium	ND	2.0	"							
Vanadium	ND	5.0	"							
Zinc	ND	1.0	"							
LCS (8121831-BS1)				Prepared: 12/18/18 Analyzed: 12/19/18						
Arsenic	88.4	5.0	mg/kg	100		88.4	75-125			
Barium	91.5	1.0	"	100		91.5	75-125			
Cadmium	90.2	2.0	"	100		90.2	75-125			
Chromium	90.7	2.0	"	100		90.7	75-125			
Lead	88.1	3.0	"	100		88.1	75-125			
Matrix Spike (8121831-MS1)	**Source: T183749-01**			Prepared: 12/18/18 Analyzed: 12/19/18						
Arsenic	81.5	5.0	mg/kg	99.0	11.2	71.0	75-125			QR-04
Barium	181	1.0	"	99.0	123	58.9	75-125			QR-04
Cadmium	74.9	2.0	"	99.0	ND	75.6	75-125			QR-04
Chromium	89.4	2.0	"	99.0	16.6	73.5	75-125			QR-04
Lead	87.3	3.0	"	99.0	18.6	69.3	75-125			QR-04

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

Metals by EPA 6010B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8121831 - EPA 3050B										
Matrix Spike Dup (8121831-MSD1)	**Source: T183749-01**			Prepared: 12/18/18 Analyzed: 12/19/18						
Arsenic	92.2	5.0	mg/kg	93.5	11.2	86.7	75-125	12.3	20	
Barium	212	1.0	"	93.5	123	95.0	75-125	15.5	20	
Cadmium	84.8	2.0	"	93.5	ND	90.7	75-125	12.5	20	
Chromium	102	2.0	"	93.5	16.6	90.9	75-125	12.7	20	
Lead	96.8	3.0	"	93.5	18.6	83.6	75-125	10.3	20	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

Cold Vapor Extraction EPA 7470/7471 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8121829 - EPA 7471A Soil										
Blank (8121829-BLK1)				Prepared: 12/18/18 Analyzed: 12/19/18						
Mercury	ND	0.10	mg/kg							
LCS (8121829-BS1)				Prepared: 12/18/18 Analyzed: 12/19/18						
Mercury	0.370	0.10	mg/kg	0.385		96.3	80-120			
Matrix Spike (8121829-MS1)	**Source: T183749-01**			Prepared: 12/18/18 Analyzed: 12/19/18						
Mercury	0.388	0.10	mg/kg	0.397	0.0482	85.7	75-125			
Matrix Spike Dup (8121829-MSD1)	**Source: T183749-01**			Prepared: 12/18/18 Analyzed: 12/19/18						
Mercury	0.393	0.10	mg/kg	0.410	0.0482	84.2	75-125	1.19	20	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

Organochlorine Pesticides by EPA Method 8081A - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8121923 - EPA 3550 ECD/GCMS										
Blank (8121923-BLK1)				Prepared: 12/19/18 Analyzed: 12/26/18						
alpha-BHC	ND	5.0	ug/kg							
gamma-BHC (Lindane)	ND	5.0	"							
beta-BHC	ND	5.0	"							
delta-BHC	ND	5.0	"							
Heptachlor	ND	5.0	"							
Aldrin	ND	5.0	"							
Heptachlor epoxide	ND	5.0	"							
gamma-Chlordane	ND	5.0	"							
alpha-Chlordane	ND	5.0	"							
Endosulfan I	ND	5.0	"							
4,4´-DDE	ND	5.0	"							
Dieldrin	ND	5.0	"							
Endrin	ND	5.0	"							
4,4´-DDD	ND	5.0	"							
Endosulfan II	ND	5.0	"							
4,4´-DDT	ND	5.0	"							
Endrin aldehyde	ND	5.0	"							
Endosulfan sulfate	ND	5.0	"							
Methoxychlor	ND	5.0	"							
Endrin ketone	ND	5.0	"							
Toxaphene	ND	20	"							
Surrogate: Tetrachloro-meta-xylene	*8.80*		*"*	*10.0*		*88.0*	*35-140*			
Surrogate: Decachlorobiphenyl	*9.92*		*"*	*10.0*		*99.2*	*35-140*			
LCS (8121923-BS1)				Prepared: 12/19/18 Analyzed: 12/26/18						
gamma-BHC (Lindane)	30.1	5.0	ug/kg	40.0		75.3	40-120			
Heptachlor	29.7	5.0	"	40.0		74.2	40-120			
Aldrin	27.8	5.0	"	40.0		69.5	40-120			
Dieldrin	29.7	5.0	"	40.0		74.2	40-120			
Endrin	29.8	5.0	"	40.0		74.5	40-120			
4,4´-DDT	23.7	5.0	"	40.0		59.2	33-147			
Surrogate: Tetrachloro-meta-xylene	*7.80*		*"*	*10.0*		*78.0*	*35-140*			
Surrogate: Decachlorobiphenyl	*8.20*		*"*	*10.0*		*82.0*	*35-140*			

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

Organochlorine Pesticides by EPA Method 8081A - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8121923 - EPA 3550 ECD/GCMS										
Matrix Spike (8121923-MS1)	**Source: T183753-01**			Prepared: 12/19/18 Analyzed: 12/26/18						
Heptachlor	19.7	50	ug/kg	40.0	ND	49.3	30-120			
Aldrin	19.7	50	"	40.0	ND	49.1	30-120			
Dieldrin	19.0	50	"	40.0	ND	47.6	30-120			
Endrin	19.1	50	"	40.0	ND	47.9	30-120			
4,4'-DDT	12.9	50	"	40.0	ND	32.2	30-120			
Surrogate: Tetrachloro-meta-xylene	*6.28*		"	*10.0*		*62.8*	*35-140*			
Surrogate: Decachlorobiphenyl	*9.81*		"	*10.0*		*98.1*	*35-140*			
Matrix Spike Dup (8121923-MSD1)	**Source: T183753-01**			Prepared: 12/19/18 Analyzed: 12/26/18						
gamma-BHC (Lindane)	23.4	50	ug/kg	40.0	ND	58.4	30-120	11.1	30	
Heptachlor	22.7	50	"	40.0	ND	56.8	30-120	14.2	30	
Aldrin	22.3	50	"	40.0	ND	55.8	30-120	12.8	30	
Dieldrin	21.7	50	"	40.0	ND	54.3	30-120	13.1	30	
Endrin	22.3	50	"	40.0	ND	55.6	30-120	15.0	30	
4,4'-DDT	13.7	50	"	40.0	ND	34.2	30-120	5.77	30	
Surrogate: Tetrachloro-meta-xylene	*7.16*		"	*10.0*		*71.6*	*35-140*			
Surrogate: Decachlorobiphenyl	*7.65*		"	*10.0*		*76.5*	*35-140*			

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8122129 - EPA 3550 ECD/GCMS										
Blank (8122129-BLK1)				Prepared: 12/21/18 Analyzed: 12/27/18						
PCB-1016	ND	10	ug/kg							
PCB-1221	ND	10	"							
PCB-1232	ND	10	"							
PCB-1242	ND	10	"							
PCB-1248	ND	10	"							
PCB-1254	ND	10	"							
PCB-1260	ND	10	"							
Surrogate: Tetrachloro-meta-xylene	*9.43*		"	*9.80*		*96.2*	*35-140*			
Surrogate: Decachlorobiphenyl	*8.46*		"	*9.80*		*86.3*	*35-140*			
LCS (8122129-BS1)				Prepared: 12/21/18 Analyzed: 12/27/18						
PCB-1016	87.8	10	ug/kg	98.0		89.6	40-130			
PCB-1260	74.3	10	"	98.0		75.7	40-130			
Surrogate: Tetrachloro-meta-xylene	*8.75*		"	*9.80*		*89.2*	*35-140*			
Surrogate: Decachlorobiphenyl	*8.09*		"	*9.80*		*82.5*	*35-140*			
LCS Dup (8122129-BSD1)				Prepared: 12/21/18 Analyzed: 12/27/18						
PCB-1016	86.6	10	ug/kg	98.0		88.3	40-130	1.40	30	
PCB-1260	84.1	10	"	98.0		85.8	40-130	12.5	30	
Surrogate: Tetrachloro-meta-xylene	*8.91*		"	*9.80*		*90.8*	*35-140*			
Surrogate: Decachlorobiphenyl	*8.89*		"	*9.80*		*90.7*	*35-140*			

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Joann Marroquin

Joann Marroquin, Client Services Manager

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8121928 - EPA 5035 GCMS										
Blank (8121928-BLK1)				Prepared: 12/19/18 Analyzed: 12/21/18						
Bromobenzene	ND	4.9	ug/kg							
Bromochloromethane	ND	4.9	"							
Bromodichloromethane	ND	4.9	"							
Bromoform	ND	4.9	"							
Bromomethane	ND	4.9	"							
n-Butylbenzene	ND	4.9	"							
sec-Butylbenzene	ND	4.9	"							
tert-Butylbenzene	ND	4.9	"							
Carbon tetrachloride	ND	4.9	"							
Chlorobenzene	ND	4.9	"							
Chloroethane	ND	4.9	"							
Chloroform	ND	4.9	"							
Chloromethane	ND	4.9	"							
2-Chlorotoluene	ND	4.9	"							
4-Chlorotoluene	ND	4.9	"							
Dibromochloromethane	ND	4.9	"							
1,2-Dibromo-3-chloropropane	ND	9.9	"							
1,2-Dibromoethane (EDB)	ND	4.9	"							
Dibromomethane	ND	4.9	"							
1,2-Dichlorobenzene	ND	4.9	"							
1,3-Dichlorobenzene	ND	4.9	"							
1,4-Dichlorobenzene	ND	4.9	"							
Dichlorodifluoromethane	ND	4.9	"							
1,1-Dichloroethane	ND	4.9	"							
1,2-Dichloroethane	ND	4.9	"							
1,1-Dichloroethene	ND	4.9	"							
cis-1,2-Dichloroethene	ND	4.9	"							
trans-1,2-Dichloroethene	ND	4.9	"							
1,2-Dichloropropane	ND	4.9	"							
1,3-Dichloropropane	ND	4.9	"							
2,2-Dichloropropane	ND	4.9	"							
1,1-Dichloropropene	ND	4.9	"							
cis-1,3-Dichloropropene	ND	4.9	"							
trans-1,3-Dichloropropene	ND	4.9	"							
Hexachlorobutadiene	ND	4.9	"							
Isopropylbenzene	ND	4.9	"							

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8121928 - EPA 5035 GCMS										
Blank (8121928-BLK1)				Prepared: 12/19/18 Analyzed: 12/21/18						
p-Isopropyltoluene	ND	4.9	ug/kg							
Methylene chloride	ND	4.9	"							
Naphthalene	ND	4.9	"							
n-Propylbenzene	ND	4.9	"							
Styrene	ND	4.9	"							
1,1,2,2-Tetrachloroethane	ND	4.9	"							
1,1,1,2-Tetrachloroethane	ND	4.9	"							
Tetrachloroethene	ND	4.9	"							
1,2,3-Trichlorobenzene	ND	4.9	"							
1,2,4-Trichlorobenzene	ND	4.9	"							
1,1,2-Trichloroethane	ND	4.9	"							
1,1,1-Trichloroethane	ND	4.9	"							
Trichloroethene	ND	4.9	"							
Trichlorofluoromethane	ND	4.9	"							
1,2,3-Trichloropropane	ND	4.9	"							
1,3,5-Trimethylbenzene	ND	4.9	"							
1,2,4-Trimethylbenzene	ND	4.9	"							
Vinyl chloride	ND	4.9	"							
Benzene	ND	4.9	"							
Toluene	ND	4.9	"							
Ethylbenzene	ND	4.9	"							
m,p-Xylene	ND	9.9	"							
o-Xylene	ND	4.9	"							
Surrogate: Toluene-d8	*38.0*		"	*39.6*		*96.0*	*76.1-127*			
Surrogate: 4-Bromofluorobenzene	*39.4*		"	*39.6*		*99.4*	*85.9-114*			
Surrogate: Dibromofluoromethane	*38.5*		"	*39.6*		*97.3*	*77.8-142*			
LCS (8121928-BS1)				Prepared: 12/19/18 Analyzed: 12/21/18						
Chlorobenzene	101	4.7	ug/kg	94.9		107	75-125			
1,1-Dichloroethene	86.0	4.7	"	94.9		90.7	75-125			
Trichloroethene	90.9	4.7	"	94.9		95.8	75-125			
Benzene	89.1	4.7	"	94.9		93.9	75-125			
Toluene	87.1	4.7	"	94.9		91.8	75-125			
Surrogate: Toluene-d8	*35.8*		"	*37.9*		*94.4*	*76.1-127*			
Surrogate: 4-Bromofluorobenzene	*36.3*		"	*37.9*		*95.8*	*85.9-114*			
Surrogate: Dibromofluoromethane	*37.3*		"	*37.9*		*98.4*	*77.8-142*			

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8121928 - EPA 5035 GCMS										
LCS Dup (8121928-BSD1)				Prepared: 12/19/18 Analyzed: 12/21/18						
Chlorobenzene	91.8	4.5	ug/kg	89.5		103	75-125	9.60	20	
1,1-Dichloroethene	83.3	4.5	"	89.5		93.1	75-125	3.21	20	
Trichloroethene	87.5	4.5	"	89.5		97.8	75-125	3.82	20	
Benzene	84.4	4.5	"	89.5		94.3	75-125	5.46	20	
Toluene	81.7	4.5	"	89.5		91.3	75-125	6.37	20	
Surrogate: Toluene-d8	*34.2*		*"*	*35.8*		*95.4*	*76.1-127*			
Surrogate: 4-Bromofluorobenzene	*35.0*		*"*	*35.8*		*97.8*	*85.9-114*			
Surrogate: Dibromofluoromethane	*35.4*		*"*	*35.8*		*98.8*	*77.8-142*			

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8121932 - EPA 3550 ECD/GCMS										
Blank (8121932-BLK1)				Prepared: 12/19/18 Analyzed: 12/27/18						
Carbazole	ND	300	ug/kg							
Aniline	ND	300	"							
Phenol	ND	1000	"							
2-Chlorophenol	ND	1000	"							
1,4-Dichlorobenzene	ND	300	"							
N-Nitrosodi-n-propylamine	ND	300	"							
1,2,4-Trichlorobenzene	ND	300	"							
4-Chloro-3-methylphenol	ND	1000	"							
1-Methylnaphthalene	ND	300	"							
2-Methylnaphthalene	ND	300	"							
Acenaphthene	ND	300	"							
4-Nitrophenol	ND	1000	"							
2,4-Dinitrotoluene	ND	300	"							
Pentachlorophenol	ND	1000	"							
Pyrene	ND	300	"							
Acenaphthylene	ND	300	"							
Anthracene	ND	300	"							
Benzo (a) anthracene	ND	300	"							
Benzo (b) fluoranthene	ND	300	"							
Benzo (k) fluoranthene	ND	300	"							
Benzo (g,h,i) perylene	ND	1000	"							
Benzo (a) pyrene	ND	300	"							
Benzyl alcohol	ND	300	"							
Bis(2-chloroethoxy)methane	ND	300	"							
Bis(2-chloroethyl)ether	ND	300	"							
Bis(2-chloroisopropyl)ether	ND	300	"							
Bis(2-ethylhexyl)phthalate	ND	300	"							
4-Bromophenyl phenyl ether	ND	300	"							
Butyl benzyl phthalate	ND	300	"							
4-Chloroaniline	ND	300	"							
2-Chloronaphthalene	ND	300	"							
4-Chlorophenyl phenyl ether	ND	300	"							
Chrysene	ND	300	"							
Dibenz (a,h) anthracene	ND	300	"							
Dibenzofuran	ND	300	"							
Di-n-butyl phthalate	ND	300	"							

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8121932 - EPA 3550 ECD/GCMS										
Blank (8121932-BLK1)				Prepared: 12/19/18 Analyzed: 12/27/18						
1,2-Dichlorobenzene	ND	300	ug/kg							
1,3-Dichlorobenzene	ND	300	"							
2,4-Dichlorophenol	ND	1000	"							
Diethyl phthalate	ND	300	"							
2,4-Dimethylphenol	ND	1000	"							
Dimethyl phthalate	ND	300	"							
4,6-Dinitro-2-methylphenol	ND	1000	"							
2,4-Dinitrophenol	ND	1000	"							
2,6-Dinitrotoluene	ND	1000	"							
Di-n-octyl phthalate	ND	300	"							
Fluoranthene	ND	300	"							
Fluorene	ND	300	"							
Hexachlorobenzene	ND	1500	"							
Hexachlorobutadiene	ND	300	"							
Hexachlorocyclopentadiene	ND	1000	"							
Hexachloroethane	ND	300	"							
Indeno (1,2,3-cd) pyrene	ND	300	"							
Isophorone	ND	300	"							
2-Methylphenol	ND	1000	"							
4-Methylphenol	ND	1000	"							
Naphthalene	ND	300	"							
2-Nitroaniline	ND	300	"							
3-Nitroaniline	ND	300	"							
4-Nitroaniline	ND	300	"							
Nitrobenzene	ND	1000	"							
2-Nitrophenol	ND	1000	"							
N-Nitrosodimethylamine	ND	300	"							
N-Nitrosodiphenylamine	ND	300	"							
2,3,5,6-Tetrachlorophenol	ND	300	"							
2,3,4,6-Tetrachlorophenol	ND	300	"							
Phenanthrene	ND	300	"							
Azobenzene	ND	300	"							
Pyridine	ND	300	"							
2,4,5-Trichlorophenol	ND	1000	"							
2,4,6-Trichlorophenol	ND	1000	"							

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8121932 - EPA 3550 ECD/GCMS										
Blank (8121932-BLK1)				Prepared: 12/19/18 Analyzed: 12/27/18						
Surrogate: 2-Fluorophenol	*1830*		*ug/kg*	*3320*		*55.1*	*15-121*			
Surrogate: Phenol-d6	*1740*		*"*	*3320*		*52.4*	*24-113*			
Surrogate: Nitrobenzene-d5	*1960*		*"*	*3320*		*59.0*	*21.3-119*			
Surrogate: 2-Fluorobiphenyl	*2400*		*"*	*3320*		*72.1*	*32.4-102*			
Surrogate: 2,4,6-Tribromophenol	*2960*		*"*	*3320*		*89.1*	*18.1-105*			
Surrogate: Terphenyl-dl4	*3310*		*"*	*3320*		*99.5*	*29.1-130*			
LCS (8121932-BS1)				Prepared: 12/19/18 Analyzed: 12/27/18						
Phenol	1940	1000	ug/kg	3230		60.2	34-114			
2-Chlorophenol	2200	1000	"	3230		68.2	34-114			
1,4-Dichlorobenzene	2450	300	"	3230		76.1	34-114			
N-Nitrosodi-n-propylamine	2460	300	"	3230		76.2	30-110			
1,2,4-Trichlorobenzene	2600	300	"	3230		80.6	39-119			
4-Chloro-3-methylphenol	2590	1000	"	3230		80.2	50-130			
Acenaphthene	2940	300	"	3230		91.2	34-114			
Pentachlorophenol	3510	1000	"	3230		109	50-130			
Pyrene	2470	300	"	3230		76.7	33.7-123			
Surrogate: 2-Fluorophenol	*2020*		*"*	*3230*		*62.6*	*15-121*			
Surrogate: Phenol-d6	*1910*		*"*	*3230*		*59.3*	*24-113*			
Surrogate: Nitrobenzene-d5	*2290*		*"*	*3230*		*71.0*	*21.3-119*			
Surrogate: 2-Fluorobiphenyl	*2620*		*"*	*3230*		*81.4*	*32.4-102*			
Surrogate: 2,4,6-Tribromophenol	*3030*		*"*	*3230*		*94.0*	*18.1-105*			
Surrogate: Terphenyl-dl4	*3220*		*"*	*3230*		*99.8*	*29.1-130*			
Matrix Spike (8121932-MS1)	**Source: T183753-16**			Prepared: 12/19/18 Analyzed: 12/27/18						
Phenol	1910	1000	ug/kg	3310	ND	57.8	34-114			
2-Chlorophenol	2190	1000	"	3310	ND	66.1	34-114			
1,4-Dichlorobenzene	2370	300	"	3310	ND	71.6	34-114			
N-Nitrosodi-n-propylamine	2430	300	"	3310	ND	73.4	30-110			
1,2,4-Trichlorobenzene	2540	300	"	3310	ND	76.6	39-119			
4-Chloro-3-methylphenol	2640	1000	"	3310	ND	79.8	50-130			
Acenaphthene	2990	300	"	3310	ND	90.2	34-114			
Pentachlorophenol	4110	1000	"	3310	ND	124	50-130			
Pyrene	2510	300	"	3310	ND	75.8	33.7-123			
Surrogate: 2-Fluorophenol	*1910*		*"*	*3310*		*57.7*	*15-121*			
Surrogate: Phenol-d6	*1790*		*"*	*3310*		*54.2*	*24-113*			

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

Semivolatile Organic Compounds by EPA Method 8270C - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8121932 - EPA 3550 ECD/GCMS										
Matrix Spike (8121932-MS1)	**Source: T183753-16**			Prepared: 12/19/18 Analyzed: 12/27/18						
Surrogate: Nitrobenzene-d5	*2100*		*ug/kg*	*3310*		*63.3*	*21.3-119*			
Surrogate: 2-Fluorobiphenyl	*2340*		*"*	*3310*		*70.8*	*32.4-102*			
Surrogate: 2,4,6-Tribromophenol	*2980*		*"*	*3310*		*90.1*	*18.1-105*			
Surrogate: Terphenyl-dl4	*3340*		*"*	*3310*		*101*	*29.1-130*			
Matrix Spike Dup (8121932-MSD1)	**Source: T183753-16**			Prepared: 12/19/18 Analyzed: 12/27/18						
Phenol	1920	1000	ug/kg	3230	ND	59.7	34-114	0.605	42	
2-Chlorophenol	2170	1000	"	3230	ND	67.3	34-114	0.829	40	
1,4-Dichlorobenzene	2340	300	"	3230	ND	72.5	34-114	1.43	28	
N-Nitrosodi-n-propylamine	2390	300	"	3230	ND	74.0	30-110	1.80	38	
1,2,4-Trichlorobenzene	2500	300	"	3230	ND	77.4	39-119	1.58	28	
4-Chloro-3-methylphenol	2550	1000	"	3230	ND	79.1	50-130	3.51	42	
Acenaphthene	2880	300	"	3230	ND	89.4	34-114	3.52	31	
Pentachlorophenol	4050	1000	"	3230	ND	125	50-130	1.59	50	
Pyrene	2340	300	"	3230	ND	72.6	33.7-123	6.85	31	
Surrogate: 2-Fluorophenol	*1910*		*"*	*3230*		*59.2*	*15-121*			
Surrogate: Phenol-d6	*1760*		*"*	*3230*		*54.5*	*24-113*			
Surrogate: Nitrobenzene-d5	*2070*		*"*	*3230*		*64.1*	*21.3-119*			
Surrogate: 2-Fluorobiphenyl	*2260*		*"*	*3230*		*70.0*	*32.4-102*			
Surrogate: 2,4,6-Tribromophenol	*2800*		*"*	*3230*		*86.9*	*18.1-105*			
Surrogate: Terphenyl-dl4	*3060*		*"*	*3230*		*95.0*	*29.1-130*			

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/09/19 14:59

Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to possible sample matrix effect.
S-01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.
R-07	Reporting limit for this compound(s) has been raised to account for dilution necessary due to high levels of interfering compound(s) and/or matrix affect.
QR-04	The pecent recovery and/or RPD was outside acceptance criteria. Results accepted based upon percent recovery results in duplicate QC sample and the CCV and CCB results.
M-02	Multiple analysis yielded poor internal standard and/or surrogate recoveries due to matrix effect. Results reported are from the most complete recovery of internal standards, however, recoveries were not within the acceptable limits of the method.
5035R	5035 sample integrity was compromised and unusable. Analysis was performed from additional soil sampled.
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

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Chain of Custody Record

Client: Northgate Environmental Mgmt Inc
Address: 2411 Ridge Route Dr # 130
Phone: 949.375.7004 Fax:
Project Manager: Derek Wilcox

Date: 12/18/18 Page: 1 Of
Project Name: Holland Sunset
Collector: D Wilcox Client Project #: 2049.17.01
Batch #: T183758 EDF #:

Laboratory ID #	Sample ID	Date Sampled	(am) Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	6020 ICP-MS Metals	PCBs 8082	OCPs 8081			Comments/Preservative	Total # of containers
01	B5 @ 1	12/18/18	12:01	Soil	SI + 5035	X			X		X		X	X		X	X				
02	B5 @ 5		12:05			X			X		X		X	X		X	X				
03	B5 @ 10		12:20			X			X		X		X	X		X	X				
04	B5 @ 15		12:35			X			X		X		X	X							
05	B5 @ 17		12:45			X					X		X	X							
06	B6 @ 1		1:20			X			X		X		X	X		X	X				
07	B6 @ 5		1:35			X			X		X		X	X		X	X				
08	B6 @ 10		1:50			X			X		X		X	X		X	X				
09	B6 @ 15		2:10			X			X		X		X	X							
10	B7 @ 1		2:40			X			X		X		X	X		X	X				
11	B7 @ 5		2:50			X			X		X		X	X		X	X				
12	B7 @ 10		3:00			X			X		X		X	X		X	X				
13	B7 @ 15		3:10			X			X		X		X	X							
14	B8 @ 1		3:50			X			X		X		X	X		X	X				
15	B8 @ 5		4:00			X			X		X		X	X		X	X				

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	12/18/18 11:30	[signature]	12-18-18 11:30
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold 4.4

Turn around time: STD

Notes

Sample disposal Instructions: Disposal @ $2.00 each ____ Return to client ____ Pickup ____

COC 180559

SunStar Laboratories

25712 Commercentre Drive, Lake Forest, CA 92630
949-297-5020

Chain of Custody Record

Client: Northgate Environmental Mgt Inc
Address: 24411 Ridge Route Dr #130
Phone: 949.325.7004 Fax:
Project Manager: Derrick Willis

Date: 12/18/18 Page: Of
Project Name: Holland Sunset
Collector: D Willis Client Project #: 2047.17.01
Batch #: 7183753 EDF #:

Laboratory ID #	Sample ID	Date Sampled	Time	Sample Type	Container Type (S1: acetate sleeve)	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	6020 ICP-MS Metals	PCBs	OCPs			Comments/Preservative	Total # of containers
16	B8 • 9	12/18/18	4:15	SOL	S1 + 5035	X			X		X		X	X		X	X				

Relinquished by: (signature) Date / Time: 12/18/18 11:30
Received by: (signature) Date / Time: 12/18/18 11:30

Relinquished by: (signature) Date / Time
Received by: (signature) Date / Time

Relinquished by: (signature) Date / Time
Received by: (signature) Date / Time

Total # of containers
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold 4.9.

Turn around time: STD

Notes

Sample disposal Instructions: Disposal @ $2.00 each ____ Return to client ____ Pickup ____

COC 180560

Joann Marroquin

From: Derrick Willis [derrick.willis@ngem.com]
Sent: Monday, January 07, 2019 5:05 PM
To: Joann Marroquin
Subject: RE: Final Report and Invoice for Holland Street (T183753)

Yes, thanks

From: Joann Marroquin [mailto:joann@sunstarlabs.com]
Sent: Monday, January 7, 2019 5:04 PM
To: 'Joann Marroquin'; 'Derrick Willis'
Subject: RE: Final Report and Invoice for Holland Street (T183753)

Do you need 3-day TAT on this one too?

Joann Marroquin
Southern California Sales/CSM

SunStar 20 Laboratories

25712 Commercentre Dr., Lake Forest, CA 92630
Office: (949) 297-5020 | Fax: (949) 297-5027
CA ELAP Accreditation: 2250 | State of Nevada Accreditation: CA012842019-1
ISO/IEC 17025 Accreditation: AT-2642 | CA Small Business Certification: 31511

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From: Joann Marroquin [mailto:joann@sunstarlabs.com]
Sent: Monday, January 07, 2019 4:59 PM
To: 'Derrick Willis'
Subject: RE: Final Report and Invoice for Holland Street (T183753)

Derrick,

What TAT do you need for this?

Joann Marroquin
Southern California Sales/CSM

SunStar 20 Laboratories

25712 Commercentre Dr., Lake Forest, CA 92630
Office: (949) 297-5020 | Fax: (949) 297-5027
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From: Derrick Willis [mailto:derrick.willis@ngem.com]
Sent: Monday, January 07, 2019 2:57 PM
To: Joann Marroquin
Subject: RE: Final Report and Invoice for Holland Street (T183753)

Joann,
Please run B5-1 for STLC lead. Depending on results, we may need to run a TCLP as well.
Thanks
Derrick

Derrick S. Willis
Principal

Northgate Environmental Management, Inc.
24411 Ridge Route Drive, Suite 130, Laguna Hills, CA 92653
phone (949) 716-0050 ext. 101; cell (949) 375-7004; fax (949) 315-3365
http://www.ngem.com

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From: Joann Marroquin [mailto:joann@sunstarlabs.com]
Sent: Thursday, December 27, 2018 5:02 PM
To: 'Derrick Willis'
Cc: accounting@sunstarlabs.com; Milton Tso; Randa Bitar
Subject: Final Report and Invoice for Holland Street (T183753)

Derrick,

Please find attached the final report and invoice for the following:

Project: **Holland Street**
Project Number: **2047.17.01**

If I can provide any additional information, please let me know.

We appreciate your business!

Best regards,
Joann

Shipping Alert:
Please note that SunStar Laboratories will be observing the upcoming Christmas and New Year's holidays on December 24th, 25th, and January 1st . We will be closed on Monday and Tuesday for Christmas Eve and Christmas day as well as Tuesday, New Year's Day. In addition, GSO will not have scheduled service on these days. If you have any short hold

samples arriving near or during these days, please contact your Project Manager in advance to ensure all holding times are met for your samples.

We appreciate your business and hope that you have a wonderful and safe holiday!

Joann Marroquin
Southern California Sales/CSM

SunStar 20 Laboratories

25712 Commercentre Dr., Lake Forest, CA 92630
Office: (949) 297-5020 | Fax: (949) 297-5027
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Joann Marroquin

From: Derrick Willis [derrick.willis@ngem.com]
Sent: Wednesday, January 09, 2019 11:33 AM
To: Joann Marroquin
Subject: RE: Final Report and Invoice for Holland Street (T183753)

Joann,
Please also run lead for TCLP. 3-day TAT. Thanks
Derrick

From: Derrick Willis [mailto:derrick.willis@ngem.com]
Sent: Monday, January 7, 2019 2:57 PM
To: 'Joann Marroquin'
Subject: RE: Final Report and Invoice for Holland Street (T183753)

Joann,
Please run B5-1 for STLC lead. Depending on results, we may need to run a TCLP as well.
Thanks
Derrick

Derrick S. Willis
Principal

Northgate Environmental Management, Inc.
24411 Ridge Route Drive, Suite 130, Laguna Hills, CA 92653
phone (949) 716-0050 ext. 101; cell (949) 375-7004; fax (949) 315-3365
http://www.ngem.com

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From: Joann Marroquin [mailto:joann@sunstarlabs.com]
Sent: Thursday, December 27, 2018 5:02 PM
To: 'Derrick Willis'
Cc: accounting@sunstarlabs.com; Milton Tso; Randa Bitar
Subject: Final Report and Invoice for Holland Street (T183753)

Derrick,

Please find attached the final report and invoice for the following:

Project: **Holland Street**
Project Number: **2047.17.01**

If I can provide any additional information, please let me know.

We appreciate your business!

Best regards,

Joann

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We appreciate your business and hope that you have a wonderful and safe holiday!

Joann Marroquin
Southern California Sales/CSM

SunStar 20 Laboratories

25712 Commercentre Dr., Lake Forest, CA 92630
Office: (949) 297-5020 | Fax: (949) 297-5027
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SunStar Laboratories — Celebrating 20 Years!

SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: 1183153

Client Name: Northgate Env. Project: Holland Sunset

Delivered by: ☒ Client ☐ SunStar Courier ☐ GSO ☐ FedEx ☐ Other

If Courier, Received by: _____ Date/Time Courier Received: _____

Lab Received by: Sunny Date/Time Lab Received: 12.18.18 / 11:30

Total number of coolers received: 1

Temperature: Cooler #1 3.2	°C +/- the CF (1.2°C) = 4.4	°C corrected temperature	
Temperature: Cooler #2	°C +/- the CF (1.2°C) =	°C corrected temperature	
Temperature: Cooler #3	°C +/- the CF (1.2°C) =	°C corrected temperature	
Temperature criteria = ≤ 6°C (no frozen containers)	Within criteria?	☒ **Yes**	☐ **No**
If NO:			
Samples received on ice?	☐ Yes	☐ **No → Complete Non-Conformance Sheet**	
If on ice, samples received same day collected?	☐ Yes → Acceptable	☐ **No → Complete Non-Conformance Sheet**	

Custody seals intact on cooler/sample	☐ Yes	☐ No*	☒ N/A
Sample containers intact	☒ Yes	☐ No*	
Sample labels match Chain of Custody IDs	☒ Yes	☐ No*	
Total number of containers received match COC	☒ Yes	☐ No*	
Proper containers received for analyses requested on COC	☒ Yes	☐ No*	
Proper preservative indicated on COC/containers for analyses requested	☒ Yes	☐ No*	☐ N/A
Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times	☒ **Yes**	☐ **No***	

* Complete Non-Conformance Receiving Sheet if checked

Cooler/Sample Review - Initials and date: SL 12.18.18

Comments:

SunStar Laboratories

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T183753

Client:	**Northgate Environmental Management -- Laguna**	**Project Manager:**	**Joann Marroquin**
Project:	**Holland Sunset**	**Project Number:**	**2047.17.01**

Report To:
Northgate Environmental Management -- Laguna Hills
Derrick Willis
24411 Ridge Route Drive, Suite 130
Laguna Hills, CA 92653

Date Due:	12/27/18 17:00 (5 day TAT)		
Received By:	Sunny Lounethone	Date Received:	12/18/18 11:30
Logged In By:	Sunny Lounethone	Date Logged In:	12/18/18 14:03

Samples Received at: **4.4°C**

Custody Seals	No	Received On Ice	Yes
Containers Intact	Yes		
COC/Labels Agree	Yes		
Preservation Confirm	Yes		

Analysis	Due	TAT	Expires	Comments
T183753-01 B5@1 [Soil] Sampled 12/18/18 12:01 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/16/19 12:01	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 12:01	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 12:01	
8081 Pesticides	12/27/18 15:00	5	01/01/19 12:01	
8082 PCB	12/27/18 15:00	5	01/01/19 12:01	
8260 5035	12/27/18 15:00	5	01/01/19 12:01	
8270C	12/27/18 15:00	5	01/01/19 12:01	
T183753-02 B5@5 [Soil] Sampled 12/18/18 12:05 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/16/19 12:05	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 12:05	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 12:05	
8081 Pesticides	12/27/18 15:00	5	01/01/19 12:05	
8082 PCB	12/27/18 15:00	5	01/01/19 12:05	
8260 5035	12/27/18 15:00	5	01/01/19 12:05	
8270C	12/27/18 15:00	5	01/01/19 12:05	

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

WORK ORDER

T183753

Client:	**Northgate Environmental Management -- Laguna**	**Project Manager:**	**Joann Marroquin**
Project:	**Holland Sunset**	**Project Number:**	**2047.17.01**

Analysis	Due	TAT	Expires	Comments
T183753-03 B5@10 [Soil] Sampled 12/18/18 12:20 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/16/19 12:20	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 12:20	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 12:20	
8081 Pesticides	12/27/18 15:00	5	01/01/19 12:20	
8082 PCB	12/27/18 15:00	5	01/01/19 12:20	
8260 5035	12/27/18 15:00	5	01/01/19 12:20	
8270C	12/27/18 15:00	5	01/01/19 12:20	
T183753-04 B5@15 [Soil] Sampled 12/18/18 12:35 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/16/19 12:35	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 12:35	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 12:35	
8260 5035	12/27/18 15:00	5	01/01/19 12:35	
8270C	12/27/18 15:00	5	01/01/19 12:35	
T183753-05 B5@17 [Soil] Sampled 12/18/18 12:45 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/16/19 12:45	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 12:45	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 12:45	
8260 5035	12/27/18 15:00	5	01/01/19 12:45	
T183753-06 B6@1 [Soil] Sampled 12/18/18 13:20 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/16/19 13:20	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 13:20	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 13:20	
8081 Pesticides	12/27/18 15:00	5	01/01/19 13:20	
8082 PCB	12/27/18 15:00	5	01/01/19 13:20	
8260 5035	12/27/18 15:00	5	01/01/19 13:20	
8270C	12/27/18 15:00	5	01/01/19 13:20	

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T183753

Client: Northgate Environmental Management -- Laguna **Project Manager:** Joann Marroquin
Project: Holland Sunset **Project Number:** 2047.17.01

Analysis	Due	TAT	Expires	Comments
T183753-07 B6@5 [Soil] Sampled 12/18/18 13:35 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/16/19 13:35	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 13:35	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 13:35	
8081 Pesticides	12/27/18 15:00	5	01/01/19 13:35	
8082 PCB	12/27/18 15:00	5	01/01/19 13:35	
8260 5035	12/27/18 15:00	5	01/01/19 13:35	
8270C	12/27/18 15:00	5	01/01/19 13:35	
T183753-08 B6@10 [Soil] Sampled 12/18/18 13:50 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/16/19 13:50	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 13:50	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 13:50	
8081 Pesticides	12/27/18 15:00	5	01/01/19 13:50	
8082 PCB	12/27/18 15:00	5	01/01/19 13:50	
8260 5035	12/27/18 15:00	5	01/01/19 13:50	
8270C	12/27/18 15:00	5	01/01/19 13:50	
T183753-09 B6@15 [Soil] Sampled 12/18/18 14:10 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/16/19 14:10	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 14:10	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 14:10	
8260 5035	12/27/18 15:00	5	01/01/19 14:10	
8270C	12/27/18 15:00	5	01/01/19 14:10	
T183753-10 B7@1 [Soil] Sampled 12/18/18 14:40 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/16/19 14:40	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 14:40	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 14:40	
8081 Pesticides	12/27/18 15:00	5	01/01/19 14:40	
8082 PCB	12/27/18 15:00	5	01/01/19 14:40	
8260 5035	12/27/18 15:00	5	01/01/19 14:40	
8270C	12/27/18 15:00	5	01/01/19 14:40	

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T183753

Client:	**Northgate Environmental Management -- Laguna**	**Project Manager:**	**Joann Marroquin**
Project:	**Holland Sunset**	**Project Number:**	**2047.17.01**

Analysis	Due	TAT	Expires	Comments
T183753-11 B7@5 [Soil] Sampled 12/18/18 14:50 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/16/19 14:50	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 14:50	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 14:50	
8081 Pesticides	12/27/18 15:00	5	01/01/19 14:50	
8082 PCB	12/27/18 15:00	5	01/01/19 14:50	
8260 5035	12/27/18 15:00	5	01/01/19 14:50	
8270C	12/27/18 15:00	5	01/01/19 14:50	
T183753-12 B7@10 [Soil] Sampled 12/18/18 15:00 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/16/19 15:00	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 15:00	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 15:00	
8081 Pesticides	12/27/18 15:00	5	01/01/19 15:00	
8082 PCB	12/27/18 15:00	5	01/01/19 15:00	
8260 5035	12/27/18 15:00	5	01/01/19 15:00	
8270C	12/27/18 15:00	5	01/01/19 15:00	
T183753-13 B7@15 [Soil] Sampled 12/18/18 15:10 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/16/19 15:10	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 15:10	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 15:10	
8260 5035	12/27/18 15:00	5	01/01/19 15:10	
8270C	12/27/18 15:00	5	01/01/19 15:10	
T183753-14 B8@1 [Soil] Sampled 12/18/18 15:50 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/16/19 15:50	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 15:50	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 15:50	
8081 Pesticides	12/27/18 15:00	5	01/01/19 15:50	
8082 PCB	12/27/18 15:00	5	01/01/19 15:50	
8260 5035	12/27/18 15:00	5	01/01/19 15:50	
8270C	12/27/18 15:00	5	01/01/19 15:50	

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T183753

Client: Northgate Environmental Management -- Laguna **Project Manager:** Joann Marroquin
Project: Holland Sunset **Project Number:** 2047.17.01

Analysis	Due	TAT	Expires	Comments
T183753-15 B8@5 [Soil] Sampled 12/18/18 16:00 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/16/19 16:00	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 16:00	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 16:00	
8081 Pesticides	12/27/18 15:00	5	01/01/19 16:00	
8082 PCB	12/27/18 15:00	5	01/01/19 16:00	
8260 5035	12/27/18 15:00	5	01/01/19 16:00	
8270C	12/27/18 15:00	5	01/01/19 16:00	
T183753-16 B8@9 [Soil] Sampled 12/18/18 16:15 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/16/19 16:15	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 16:15	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 16:15	
8081 Pesticides	12/27/18 15:00	5	01/01/19 16:15	
8082 PCB	12/27/18 15:00	5	01/01/19 16:15	
8260 5035	12/27/18 15:00	5	01/01/19 16:15	
8270C	12/27/18 15:00	5	01/01/19 16:15	

Analysis groups included in this work order

6010 Title 22

subgroup 6010B T22 7470/71 Hg

Reviewed By Date

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T183753

Client: Northgate Environmental Management -- Laguna
Project: Holland Sunset
Project Manager: Joann Marroquin
Project Number: 2047.17.01

Report To:
Northgate Environmental Management -- Laguna Hills
Derrick Willis
24411 Ridge Route Drive, Suite 130
Laguna Hills, CA 92653

Date Due:	01/10/19 17:00 (14 day TAT)		
Received By:	Sunny Lounethone	Date Received:	12/18/18 11:30
Logged In By:	Sunny Lounethone	Date Logged In:	12/18/18 14:03

Samples Received at: **4.4°C**

Custody Seals	No	Received On Ice	Yes
Containers Intact	Yes		
COC/Labels Agree	Yes		
Preservation Confirm	Yes		

Analysis	Due	TAT	Expires	Comments
T183753-01 B5@1 [Soil] Sampled 12/18/18 00:01 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 00:01	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 00:01	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 00:01	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 00:01	
8081 Pesticides	12/27/18 15:00	5	01/01/19 00:01	
8082 PCB	12/27/18 15:00	5	01/01/19 00:01	
8260 5035	12/27/18 15:00	5	01/01/19 00:01	
8270C	12/27/18 15:00	5	01/01/19 00:01	
STLC Pb	01/10/19 15:00	5	06/16/19 00:01	
STLC Leaching Procedure Metals	01/10/19 15:00	5	06/16/19 00:01	Added STLC Pb 1/7/19 Due 1/10/19
T183753-02 B5@5 [Soil] Sampled 12/18/18 00:05 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 00:05	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 00:05	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 00:05	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 00:05	
8081 Pesticides	12/27/18 15:00	5	01/01/19 00:05	
8082 PCB	12/27/18 15:00	5	01/01/19 00:05	
8260 5035	12/27/18 15:00	5	01/01/19 00:05	
8270C	12/27/18 15:00	5	01/01/19 00:05	

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T183753

Client: Northgate Environmental Management -- Laguna **Project Manager:** Joann Marroquin
Project: Holland Sunset **Project Number:** 2047.17.01

Analysis	Due	TAT	Expires	Comments
T183753-03 B5@10 [Soil] Sampled 12/18/18 00:20 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 00:20	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 00:20	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 00:20	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 00:20	
8081 Pesticides	12/27/18 15:00	5	01/01/19 00:20	
8082 PCB	12/27/18 15:00	5	01/01/19 00:20	
8260 5035	12/27/18 15:00	5	01/01/19 00:20	
8270C	12/27/18 15:00	5	01/01/19 00:20	
T183753-04 B5@15 [Soil] Sampled 12/18/18 00:35 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 00:35	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 00:35	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 00:35	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 00:35	
8260 5035	12/27/18 15:00	5	01/01/19 00:35	
8270C	12/27/18 15:00	5	01/01/19 00:35	
T183753-05 B5@17 [Soil] Sampled 12/18/18 00:45 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 00:45	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 00:45	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 00:45	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 00:45	
8260 5035	12/27/18 15:00	5	01/01/19 00:45	
T183753-06 B6@1 [Soil] Sampled 12/18/18 01:20 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 01:20	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 01:20	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 01:20	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 01:20	
8081 Pesticides	12/27/18 15:00	5	01/01/19 01:20	
8082 PCB	12/27/18 15:00	5	01/01/19 01:20	
8260 5035	12/27/18 15:00	5	01/01/19 01:20	
8270C	12/27/18 15:00	5	01/01/19 01:20	

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

WORK ORDER

T183753

Client: Northgate Environmental Management -- Laguna
Project: Holland Sunset
Project Manager: Joann Marroquin
Project Number: 2047.17.01

Analysis	Due	TAT	Expires	Comments
T183753-07 B6@5 [Soil] Sampled 12/18/18 13:35 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 13:35	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 13:35	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 13:35	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 13:35	
8081 Pesticides	12/27/18 15:00	5	01/01/19 13:35	
8082 PCB	12/27/18 15:00	5	01/01/19 13:35	
8260 5035	12/27/18 15:00	5	01/01/19 13:35	
8270C	12/27/18 15:00	5	01/01/19 13:35	
T183753-08 B6@10 [Soil] Sampled 12/18/18 01:50 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 01:50	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 01:50	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 01:50	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 01:50	
8081 Pesticides	12/27/18 15:00	5	01/01/19 01:50	
8082 PCB	12/27/18 15:00	5	01/01/19 01:50	
8260 5035	12/27/18 15:00	5	01/01/19 01:50	
8270C	12/27/18 15:00	5	01/01/19 01:50	
T183753-09 B6@15 [Soil] Sampled 12/18/18 02:10 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 02:10	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 02:10	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 02:10	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 02:10	
8260 5035	12/27/18 15:00	5	01/01/19 02:10	
8270C	12/27/18 15:00	5	01/01/19 02:10	

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WORK ORDER

T183753

Client: Northgate Environmental Management -- Laguna **Project Manager:** Joann Marroquin
Project: Holland Sunset **Project Number:** 2047.17.01

Analysis	Due	TAT	Expires	Comments
T183753-10 B7@1 [Soil] Sampled 12/18/18 02:40 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 02:40	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 02:40	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 02:40	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 02:40	
8081 Pesticides	12/27/18 15:00	5	01/01/19 02:40	
8082 PCB	12/27/18 15:00	5	01/01/19 02:40	
8260 5035	12/27/18 15:00	5	01/01/19 02:40	
8270C	12/27/18 15:00	5	01/01/19 02:40	
T183753-11 B7@5 [Soil] Sampled 12/18/18 02:50 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 02:50	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 02:50	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 02:50	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 02:50	
8081 Pesticides	12/27/18 15:00	5	01/01/19 02:50	
8082 PCB	12/27/18 15:00	5	01/01/19 02:50	
8260 5035	12/27/18 15:00	5	01/01/19 02:50	
8270C	12/27/18 15:00	5	01/01/19 02:50	
T183753-12 B7@10 [Soil] Sampled 12/18/18 03:00 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 03:00	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 03:00	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 03:00	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 03:00	
8081 Pesticides	12/27/18 15:00	5	01/01/19 03:00	
8082 PCB	12/27/18 15:00	5	01/01/19 03:00	
8260 5035	12/27/18 15:00	5	01/01/19 03:00	
8270C	12/27/18 15:00	5	01/01/19 03:00	

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

WORK ORDER

T183753

Client: Northgate Environmental Management -- Laguna **Project Manager:** Joann Marroquin
Project: Holland Sunset **Project Number:** 2047.17.01

Analysis	Due	TAT	Expires	Comments
T183753-13 B7@15 [Soil] Sampled 12/18/18 03:10 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 03:10	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 03:10	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 03:10	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 03:10	
8260 5035	12/27/18 15:00	5	01/01/19 03:10	
8270C	12/27/18 15:00	5	01/01/19 03:10	
T183753-14 B8@1 [Soil] Sampled 12/18/18 03:50 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 03:50	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 03:50	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 03:50	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 03:50	
8081 Pesticides	12/27/18 15:00	5	01/01/19 03:50	
8082 PCB	12/27/18 15:00	5	01/01/19 03:50	
8260 5035	12/27/18 15:00	5	01/01/19 03:50	
8270C	12/27/18 15:00	5	01/01/19 03:50	
T183753-15 B8@5 [Soil] Sampled 12/18/18 04:00 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 04:00	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 04:00	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 04:00	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 04:00	
8081 Pesticides	12/27/18 15:00	5	01/01/19 04:00	
8082 PCB	12/27/18 15:00	5	01/01/19 04:00	
8260 5035	12/27/18 15:00	5	01/01/19 04:00	
8270C	12/27/18 15:00	5	01/01/19 04:00	

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T183753

Client: Northgate Environmental Management -- Laguna **Project Manager:** Joann Marroquin
Project: Holland Sunset **Project Number:** 2047.17.01

Analysis	Due	TAT	Expires	Comments
T183753-16 B8@9 [Soil] Sampled 12/18/18 04:15 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 04:15	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 04:15	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 04:15	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 04:15	
8081 Pesticides	12/27/18 15:00	5	01/01/19 04:15	
8082 PCB	12/27/18 15:00	5	01/01/19 04:15	
8260 5035	12/27/18 15:00	5	01/01/19 04:15	
8270C	12/27/18 15:00	5	01/01/19 04:15	

Analysis groups included in this work order

6010 Title 22

subgroup 6010B T22 7470/71 Hg

Reviewed By Date

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T183753

Client: **Northgate Environmental Management -- Laguna** **Project Manager:** **Joann Marroquin**
Project: **Holland Sunset** **Project Number:** **2047.17.01**

Report To:
Northgate Environmental Management -- Laguna Hills
Derrick Willis
24411 Ridge Route Drive, Suite 130
Laguna Hills, CA 92653

Date Due: 01/10/19 17:00 (14 day TAT)
Received By: Sunny Lounethone Date Received: 12/18/18 11:30
Logged In By: Sunny Lounethone Date Logged In: 12/18/18 14:03

Samples Received at: **4.4°C**
Custody Seals No Received On Ice Yes
Containers Intact Yes
COC/Labels Agree Yes
Preservation Confirm Yes

Analysis	Due	TAT	Expires	Comments
T183753-01 B5@1 [Soil] Sampled 12/18/18 00:01 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 00:01	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 00:01	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 00:01	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 00:01	
8081 Pesticides	12/27/18 15:00	5	01/01/19 00:01	
8082 PCB	12/27/18 15:00	5	01/01/19 00:01	
8260 5035	12/27/18 15:00	5	01/01/19 00:01	
8270C	12/27/18 15:00	5	01/01/19 00:01	
STLC Pb	01/10/19 15:00	5	06/16/19 00:01	
STLC Leaching Procedure Metals	01/10/19 15:00	5	06/16/19 00:01	Added STLC Pb 1/7/19 Due 1/10/19
TCLP Leaching Procedure Metals	01/10/19 15:00	5	06/16/19 00:01	
TCLP Pb	01/10/19 15:00	5	06/16/19 00:01	Added on 1/9/19 Due 1/10/19

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T183753

Client: Northgate Environmental Management -- Laguna **Project Manager:** Joann Marroquin
Project: Holland Sunset **Project Number:** 2047.17.01

Analysis	Due	TAT	Expires	Comments
T183753-02 B5@5 [Soil] Sampled 12/18/18 00:05 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 00:05	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 00:05	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 00:05	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 00:05	
8081 Pesticides	12/27/18 15:00	5	01/01/19 00:05	
8082 PCB	12/27/18 15:00	5	01/01/19 00:05	
8260 5035	12/27/18 15:00	5	01/01/19 00:05	
8270C	12/27/18 15:00	5	01/01/19 00:05	
T183753-03 B5@10 [Soil] Sampled 12/18/18 00:20 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 00:20	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 00:20	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 00:20	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 00:20	
8081 Pesticides	12/27/18 15:00	5	01/01/19 00:20	
8082 PCB	12/27/18 15:00	5	01/01/19 00:20	
8260 5035	12/27/18 15:00	5	01/01/19 00:20	
8270C	12/27/18 15:00	5	01/01/19 00:20	
T183753-04 B5@15 [Soil] Sampled 12/18/18 00:35 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 00:35	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 00:35	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 00:35	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 00:35	
8260 5035	12/27/18 15:00	5	01/01/19 00:35	
8270C	12/27/18 15:00	5	01/01/19 00:35	
T183753-05 B5@17 [Soil] Sampled 12/18/18 00:45 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 00:45	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 00:45	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 00:45	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 00:45	
8260 5035	12/27/18 15:00	5	01/01/19 00:45	

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T183753

Client: Northgate Environmental Management -- Laguna **Project Manager:** Joann Marroquin
Project: Holland Sunset **Project Number:** 2047.17.01

Analysis	Due	TAT	Expires	Comments
T183753-06 B6@1 [Soil] Sampled 12/18/18 01:20 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 01:20	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 01:20	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 01:20	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 01:20	
8081 Pesticides	12/27/18 15:00	5	01/01/19 01:20	
8082 PCB	12/27/18 15:00	5	01/01/19 01:20	
8260 5035	12/27/18 15:00	5	01/01/19 01:20	
8270C	12/27/18 15:00	5	01/01/19 01:20	
T183753-07 B6@5 [Soil] Sampled 12/18/18 13:35 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 13:35	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 13:35	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 13:35	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 13:35	
8081 Pesticides	12/27/18 15:00	5	01/01/19 13:35	
8082 PCB	12/27/18 15:00	5	01/01/19 13:35	
8260 5035	12/27/18 15:00	5	01/01/19 13:35	
8270C	12/27/18 15:00	5	01/01/19 13:35	
T183753-08 B6@10 [Soil] Sampled 12/18/18 01:50 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 01:50	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 01:50	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 01:50	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 01:50	
8081 Pesticides	12/27/18 15:00	5	01/01/19 01:50	
8082 PCB	12/27/18 15:00	5	01/01/19 01:50	
8260 5035	12/27/18 15:00	5	01/01/19 01:50	
8270C	12/27/18 15:00	5	01/01/19 01:50	

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T183753

Client: Northgate Environmental Management -- Laguna **Project Manager:** Joann Marroquin
Project: Holland Sunset **Project Number:** 2047.17.01

Analysis	Due	TAT	Expires	Comments
T183753-09 B6@15 [Soil] Sampled 12/18/18 02:10 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 02:10	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 02:10	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 02:10	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 02:10	
8260 5035	12/27/18 15:00	5	01/01/19 02:10	
8270C	12/27/18 15:00	5	01/01/19 02:10	
T183753-10 B7@1 [Soil] Sampled 12/18/18 02:40 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 02:40	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 02:40	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 02:40	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 02:40	
8081 Pesticides	12/27/18 15:00	5	01/01/19 02:40	
8082 PCB	12/27/18 15:00	5	01/01/19 02:40	
8260 5035	12/27/18 15:00	5	01/01/19 02:40	
8270C	12/27/18 15:00	5	01/01/19 02:40	
T183753-11 B7@5 [Soil] Sampled 12/18/18 02:50 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 02:50	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 02:50	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 02:50	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 02:50	
8081 Pesticides	12/27/18 15:00	5	01/01/19 02:50	
8082 PCB	12/27/18 15:00	5	01/01/19 02:50	
8260 5035	12/27/18 15:00	5	01/01/19 02:50	
8270C	12/27/18 15:00	5	01/01/19 02:50	

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

WORK ORDER

T183753

Client: Northgate Environmental Management -- Laguna
Project: Holland Sunset
Project Manager: Joann Marroquin
Project Number: 2047.17.01

Analysis	Due	TAT	Expires	Comments
T183753-12 B7@10 [Soil] Sampled 12/18/18 03:00 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 03:00	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 03:00	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 03:00	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 03:00	
8081 Pesticides	12/27/18 15:00	5	01/01/19 03:00	
8082 PCB	12/27/18 15:00	5	01/01/19 03:00	
8260 5035	12/27/18 15:00	5	01/01/19 03:00	
8270C	12/27/18 15:00	5	01/01/19 03:00	
T183753-13 B7@15 [Soil] Sampled 12/18/18 03:10 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 03:10	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 03:10	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 03:10	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 03:10	
8260 5035	12/27/18 15:00	5	01/01/19 03:10	
8270C	12/27/18 15:00	5	01/01/19 03:10	
T183753-14 B8@1 [Soil] Sampled 12/18/18 03:50 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 03:50	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 03:50	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 03:50	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 03:50	
8081 Pesticides	12/27/18 15:00	5	01/01/19 03:50	
8082 PCB	12/27/18 15:00	5	01/01/19 03:50	
8260 5035	12/27/18 15:00	5	01/01/19 03:50	
8270C	12/27/18 15:00	5	01/01/19 03:50	

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T183753

Client: Northgate Environmental Management -- Laguna **Project Manager:** Joann Marroquin
Project: Holland Sunset **Project Number:** 2047.17.01

Analysis	Due	TAT	Expires	Comments
T183753-15 B8@5 [Soil] Sampled 12/18/18 04:00 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 04:00	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 04:00	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 04:00	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 04:00	
8081 Pesticides	12/27/18 15:00	5	01/01/19 04:00	
8082 PCB	12/27/18 15:00	5	01/01/19 04:00	
8260 5035	12/27/18 15:00	5	01/01/19 04:00	
8270C	12/27/18 15:00	5	01/01/19 04:00	
T183753-16 B8@9 [Soil] Sampled 12/18/18 04:15 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 04:15	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 04:15	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 04:15	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 04:15	
8081 Pesticides	12/27/18 15:00	5	01/01/19 04:15	
8082 PCB	12/27/18 15:00	5	01/01/19 04:15	
8260 5035	12/27/18 15:00	5	01/01/19 04:15	
8270C	12/27/18 15:00	5	01/01/19 04:15	

Analysis groups included in this work order

6010 Title 22

subgroup 6010B T22 7470/71 Hg

Reviewed By Date

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

10 January 2019

Derrick Willis
Northgate Environmental Management -- Laguna Hills
24411 Ridge Route Drive, Suite 130
Laguna Hills, CA 92653

RE: Holland Sunset

Enclosed are the results of analyses for samples received by the laboratory on 12/18/18 11:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Joann Marroquin
Client Services Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/10/19 15:22

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B5@1	T183753-01	Soil	12/18/18 00:01	12/18/18 11:30

SunStar Laboratories, Inc.



Joann Marroquin, Client Services Manager

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.

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Providing Quality Analytical Services Nationwide

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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/10/19 15:22

DETECTIONS SUMMARY

Sample ID: B5@1 **Laboratory ID:** T183753-01

Analyte	Result	Reporting Limit	Units	Method	Notes
Lead	**12**	0.10	mg/l	STLC Waste Extraction T	

SunStar Laboratories, Inc.

Joann Marroquin

Joann Marroquin, Client Services Manager

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949.297.5027 Fax

Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/10/19 15:22

B5@1

T183753-01 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TCLP Metals by 6000/7000 Series Methods									
Lead	ND	0.10	mg/l	1	9010946	01/09/19	01/10/19	EPA 1311	
STLC Metals by 6000/7000 Series Methods									
Lead	**12**	0.10	mg/l	1	9010730	01/07/19	01/09/19	STLC Waste Extraction Test	

SunStar Laboratories, Inc.

Joann Marroquin

Joann Marroquin, Client Services Manager

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Providing Quality Analytical Services Nationwide

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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/10/19 15:22

TCLP Metals by 6000/7000 Series Methods - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9010946 - TCLP Metals										
Blank (9010946-BLK1)				Prepared: 01/09/19 Analyzed: 01/10/19						
Lead	ND	0.10	mg/l							
LCS (9010946-BS1)				Prepared: 01/09/19 Analyzed: 01/10/19						
Lead	0.499	0.10	mg/l	0.500		99.8	75-125			
Matrix Spike (9010946-MS1)	**Source: T183753-01**			Prepared: 01/09/19 Analyzed: 01/10/19						
Lead	0.524	0.10	mg/l	0.500	0.0173	101	75-125			
Matrix Spike Dup (9010946-MSD1)	**Source: T183753-01**			Prepared: 01/09/19 Analyzed: 01/10/19						
Lead	0.513	0.10	mg/l	0.500	0.0173	99.2	75-125	2.16	30	

SunStar Laboratories, Inc.



Joann Marroquin, Client Services Manager

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Providing Quality Analytical Services Nationwide

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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/10/19 15:22

STLC Metals by 6000/7000 Series Methods - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 9010730 - STLC Metals										
Blank (9010730-BLK1)				Prepared: 01/07/19 Analyzed: 01/09/19						
Lead	ND	0.10	mg/l							
LCS (9010730-BS1)				Prepared: 01/07/19 Analyzed: 01/09/19						
Lead	8.65	0.10	mg/l	10.0		86.5	75-125			
Matrix Spike (9010730-MS1)	**Source: T183753-01**			Prepared: 01/07/19 Analyzed: 01/09/19						
Lead	20.2	0.10	mg/l	10.0	11.7	85.9	75-125			
Matrix Spike Dup (9010730-MSD1)	**Source: T183753-01**			Prepared: 01/07/19 Analyzed: 01/09/19						
Lead	19.9	0.10	mg/l	10.0	11.7	82.1	75-125	1.92	30	

SunStar Laboratories, Inc.

Joann Marroquin

Joann Marroquin, Client Services Manager

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Providing Quality Analytical Services Nationwide

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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	01/10/19 15:22

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

SunStar Laboratories, Inc.

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Joann Marroquin

Joann Marroquin, Client Services Manager

SunStar Laboratories

25712 Commercentre Drive, Lake Forest, CA 92630
949-297-5020

Chain of Custody Record

Client: Northgate Environmental Mgmt Inc
Address: 2411 Ridge Route Dr # 130
Phone: 949.375.7004 Fax:
Project Manager: Derek Wilcox

Date: 12/18/18 Page: 1 Of
Project Name: Holland Sunset
Collector: D Wilcox Client Project #: 2049.17.01
Batch #: T183758 EDF #:

Laboratory ID #	Sample ID	Date Sampled	(am) Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	6020 ICP-MS Metals	PCBs 8082	OCPs 8081			Comments/Preservative	Total # of containers
01	B5@1	12/18/18	12:01	Soil	S1 + 5035	X			X		X		X	X		X	X				
02	B5@5		12:05			X			X		X		X	X		X	X				
03	B5@10		12:20			X			X		X		X	X		X	X				
04	B5@15		12:35			X			X		X		X	X							
05	B5@17		12:45			X					X		X	X							
06	B6@1		1:20			X			X		X		X	X		X	X				
07	B6@5		1:35			X			X		X		X	X		X	X				
08	B6@10		1:50			X			X		X		X	X		X	X				
09	B6@15		2:10			X			X		X		X	X							
10	B7@1		2:40			X			X		X		X	X		X	X				
11	B7@5		2:50			X			X		X		X	X		X	X				
12	B7@10		3:00			X			X		X		X	X		X	X				
13	B7@15		3:10			X			X		X		X	X							
14	B8@1		3:50			X			X		X		X	X		X	X				
15	B8@5		4:00			X			X		X		X	X		X	X				

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	12/18/18 11:30	[signature]	12-18-18 11:30
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold 4.4

Turn around time: STD

Notes

Sample disposal Instructions: Disposal @ $2.00 each ____ Return to client ____ Pickup ____

COC 180559

SunStar Laboratories

25712 Commercentre Drive, Lake Forest, CA 92630
949-297-5020

Chain of Custody Record

Client: Northgate Environmental Mgmt Inc
Address: 24411 Ridge Route Dr #130
Phone: 949.375.7004 Fax:
Project Manager: Derrick Willis

Date: 12/18/18 Page: Of
Project Name: Holland Sunset
Collector: D Willis Client Project #: 2047.17.01
Batch #: T183753 EDF #:

Laboratory ID #	Sample ID	Date Sampled	Time	Sample Type	Container Type (SI: acetate sleeve)	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	6020 ICP-MS Metals	PCBs	OCPs			Comments/Preservative	Total # of containers
16	B8 • 9	12/18/18	4:15	SOIL	SL + 8035	X			X		X		X	X		X	X				

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	12/18/18 11:30	[signature]	12/18/18 11:30
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold 4.4.

Turn around time: STD

Notes

Sample disposal Instructions: Disposal @ $2.00 each ____ Return to client ____ Pickup ____

COC 180560

Joann Marroquin

From: Derrick Willis [derrick.willis@ngem.com]
Sent: Monday, January 07, 2019 5:05 PM
To: Joann Marroquin
Subject: RE: Final Report and Invoice for Holland Street (T183753)

Yes, thanks

From: Joann Marroquin [mailto:joann@sunstarlabs.com]
Sent: Monday, January 7, 2019 5:04 PM
To: 'Joann Marroquin'; 'Derrick Willis'
Subject: RE: Final Report and Invoice for Holland Street (T183753)

Do you need 3-day TAT on this one too?

Joann Marroquin
Southern California Sales/CSM

SunStar 20 Laboratories

25712 Commercentre Dr., Lake Forest, CA 92630
Office: (949) 297-5020 | Fax: (949) 297-5027
CA ELAP Accreditation: 2250 | State of Nevada Accreditation: CA012842019-1
ISO/IEC 17025 Accreditation: AT-2642 | CA Small Business Certification: 31511

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From: Joann Marroquin [mailto:joann@sunstarlabs.com]
Sent: Monday, January 07, 2019 4:59 PM
To: 'Derrick Willis'
Subject: RE: Final Report and Invoice for Holland Street (T183753)

Derrick,

What TAT do you need for this?

Joann Marroquin
Southern California Sales/CSM

SunStar 20 Laboratories

25712 Commercentre Dr., Lake Forest, CA 92630
Office: (949) 297-5020 | Fax: (949) 297-5027
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From: Derrick Willis [mailto:derrick.willis@ngem.com]
Sent: Monday, January 07, 2019 2:57 PM
To: Joann Marroquin
Subject: RE: Final Report and Invoice for Holland Street (T183753)

Joann,
Please run B5-1 for STLC lead. Depending on results, we may need to run a TCLP as well.
Thanks
Derrick

Derrick S. Willis
Principal

Northgate Environmental Management, Inc.
24411 Ridge Route Drive, Suite 130, Laguna Hills, CA 92653
phone (949) 716-0050 ext. 101; cell (949) 375-7004; fax (949) 315-3365
http://www.ngem.com

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From: Joann Marroquin [mailto:joann@sunstarlabs.com]
Sent: Thursday, December 27, 2018 5:02 PM
To: 'Derrick Willis'
Cc: accounting@sunstarlabs.com; Milton Tso; Randa Bitar
Subject: Final Report and Invoice for Holland Street (T183753)

Derrick,

Please find attached the final report and invoice for the following:

Project: **Holland Street**
Project Number: **2047.17.01**

If I can provide any additional information, please let me know.

We appreciate your business!

Best regards,
Joann

Shipping Alert:
Please note that SunStar Laboratories will be observing the upcoming Christmas and New Year's holidays on December 24th, 25th, and January 1st . We will be closed on Monday and Tuesday for Christmas Eve and Christmas day as well as Tuesday, New Year's Day. In addition, GSO will not have scheduled service on these days. If you have any short hold

samples arriving near or during these days, please contact your Project Manager in advance to ensure all holding times are met for your samples.

We appreciate your business and hope that you have a wonderful and safe holiday!

Joann Marroquin
Southern California Sales/CSM

SunStar 20 Laboratories

25712 Commercentre Dr., Lake Forest, CA 92630
Office: (949) 297-5020 | Fax: (949) 297-5027
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Joann Marroquin

From: Derrick Willis [derrick.willis@ngem.com]
Sent: Wednesday, January 09, 2019 11:33 AM
To: Joann Marroquin
Subject: RE: Final Report and Invoice for Holland Street (T183753)

Joann,
Please also run lead for TCLP. 3-day TAT. Thanks
Derrick

From: Derrick Willis [mailto:derrick.willis@ngem.com]
Sent: Monday, January 7, 2019 2:57 PM
To: 'Joann Marroquin'
Subject: RE: Final Report and Invoice for Holland Street (T183753)

Joann,
Please run B5-1 for STLC lead. Depending on results, we may need to run a TCLP as well.
Thanks
Derrick

Derrick S. Willis
Principal

Northgate Environmental Management, Inc.
24411 Ridge Route Drive, Suite 130, Laguna Hills, CA 92653
phone (949) 716-0050 ext. 101; cell (949) 375-7004; fax (949) 315-3365
http://www.ngem.com

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From: Joann Marroquin [mailto:joann@sunstarlabs.com]
Sent: Thursday, December 27, 2018 5:02 PM
To: 'Derrick Willis'
Cc: accounting@sunstarlabs.com; Milton Tso; Randa Bitar
Subject: Final Report and Invoice for Holland Street (T183753)

Derrick,

Please find attached the final report and invoice for the following:

Project: **Holland Street**
Project Number: **2047.17.01**

If I can provide any additional information, please let me know.

We appreciate your business!

Best regards,

Joann

Shipping Alert:

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We appreciate your business and hope that you have a wonderful and safe holiday!

Joann Marroquin
Southern California Sales/CSM

SunStar 20 Laboratories

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Office: (949) 297-5020 | Fax: (949) 297-5027
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SunStar Laboratories — Celebrating 20 Years!

SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: 1183153

Client Name: Northgate Env. Project: Holland Sunset

Delivered by: ☒ Client ☐ SunStar Courier ☐ GSO ☐ FedEx ☐ Other

If Courier, Received by: _____ Date/Time Courier Received: _____

Lab Received by: Sunny Date/Time Lab Received: 12.18.18 / 11:30

Total number of coolers received: 1

Temperature: Cooler #1 3.2	°C +/- the CF (1.2°C) = 4.4	°C corrected temperature	
Temperature: Cooler #2	°C +/- the CF (1.2°C) =	°C corrected temperature	
Temperature: Cooler #3	°C +/- the CF (1.2°C) =	°C corrected temperature	
Temperature criteria = ≤ 6°C (no frozen containers)	Within criteria?	☒ **Yes**	☐ **No**
If NO:			
Samples received on ice?	☐ Yes	☐ **No → Complete Non-Conformance Sheet**	
If on ice, samples received same day collected?	☐ Yes → Acceptable	☐ **No → Complete Non-Conformance Sheet**	

Custody seals intact on cooler/sample	☐ Yes	☐ No*	☒ N/A
Sample containers intact	☒ Yes	☐ No*	
Sample labels match Chain of Custody IDs	☒ Yes	☐ No*	
Total number of containers received match COC	☒ Yes	☐ No*	
Proper containers received for analyses requested on COC	☒ Yes	☐ No*	
Proper preservative indicated on COC/containers for analyses requested	☒ Yes	☐ No*	☐ N/A
Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times	☒ **Yes**	☐ **No***	

* Complete Non-Conformance Receiving Sheet if checked

Cooler/Sample Review - Initials and date: SL 12.18.18

Comments:

SunStar Laboratories

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T183753

Client:	**Northgate Environmental Management -- Laguna**	**Project Manager:**	**Joann Marroquin**
Project:	**Holland Sunset**	**Project Number:**	**2047.17.01**

Report To:
Northgate Environmental Management -- Laguna Hills
Derrick Willis
24411 Ridge Route Drive, Suite 130
Laguna Hills, CA 92653

Date Due:	12/27/18 17:00 (5 day TAT)		
Received By:	Sunny Lounethone	Date Received:	12/18/18 11:30
Logged In By:	Sunny Lounethone	Date Logged In:	12/18/18 14:03

Samples Received at: **4.4°C**

Custody Seals	No	Received On Ice	Yes
Containers Intact	Yes		
COC/Labels Agree	Yes		
Preservation Confirm	Yes		

Analysis	Due	TAT	Expires	Comments
T183753-01 B5@1 [Soil] Sampled 12/18/18 12:01 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/16/19 12:01	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 12:01	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 12:01	
8081 Pesticides	12/27/18 15:00	5	01/01/19 12:01	
8082 PCB	12/27/18 15:00	5	01/01/19 12:01	
8260 5035	12/27/18 15:00	5	01/01/19 12:01	
8270C	12/27/18 15:00	5	01/01/19 12:01	
T183753-02 B5@5 [Soil] Sampled 12/18/18 12:05 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/16/19 12:05	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 12:05	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 12:05	
8081 Pesticides	12/27/18 15:00	5	01/01/19 12:05	
8082 PCB	12/27/18 15:00	5	01/01/19 12:05	
8260 5035	12/27/18 15:00	5	01/01/19 12:05	
8270C	12/27/18 15:00	5	01/01/19 12:05	

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

WORK ORDER

T183753

Client:	**Northgate Environmental Management -- Laguna**	**Project Manager:**	**Joann Marroquin**
Project:	**Holland Sunset**	**Project Number:**	**2047.17.01**

Analysis	Due	TAT	Expires	Comments
T183753-03 B5@10 [Soil] Sampled 12/18/18 12:20 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/16/19 12:20	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 12:20	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 12:20	
8081 Pesticides	12/27/18 15:00	5	01/01/19 12:20	
8082 PCB	12/27/18 15:00	5	01/01/19 12:20	
8260 5035	12/27/18 15:00	5	01/01/19 12:20	
8270C	12/27/18 15:00	5	01/01/19 12:20	
T183753-04 B5@15 [Soil] Sampled 12/18/18 12:35 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/16/19 12:35	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 12:35	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 12:35	
8260 5035	12/27/18 15:00	5	01/01/19 12:35	
8270C	12/27/18 15:00	5	01/01/19 12:35	
T183753-05 B5@17 [Soil] Sampled 12/18/18 12:45 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/16/19 12:45	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 12:45	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 12:45	
8260 5035	12/27/18 15:00	5	01/01/19 12:45	
T183753-06 B6@1 [Soil] Sampled 12/18/18 13:20 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/16/19 13:20	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 13:20	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 13:20	
8081 Pesticides	12/27/18 15:00	5	01/01/19 13:20	
8082 PCB	12/27/18 15:00	5	01/01/19 13:20	
8260 5035	12/27/18 15:00	5	01/01/19 13:20	
8270C	12/27/18 15:00	5	01/01/19 13:20	

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

WORK ORDER

T183753

Client: Northgate Environmental Management -- Laguna
Project: Holland Sunset
Project Manager: Joann Marroquin
Project Number: 2047.17.01

Analysis	Due	TAT	Expires	Comments
T183753-07 B6@5 [Soil] Sampled 12/18/18 13:35 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/16/19 13:35	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 13:35	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 13:35	
8081 Pesticides	12/27/18 15:00	5	01/01/19 13:35	
8082 PCB	12/27/18 15:00	5	01/01/19 13:35	
8260 5035	12/27/18 15:00	5	01/01/19 13:35	
8270C	12/27/18 15:00	5	01/01/19 13:35	
T183753-08 B6@10 [Soil] Sampled 12/18/18 13:50 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/16/19 13:50	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 13:50	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 13:50	
8081 Pesticides	12/27/18 15:00	5	01/01/19 13:50	
8082 PCB	12/27/18 15:00	5	01/01/19 13:50	
8260 5035	12/27/18 15:00	5	01/01/19 13:50	
8270C	12/27/18 15:00	5	01/01/19 13:50	
T183753-09 B6@15 [Soil] Sampled 12/18/18 14:10 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/16/19 14:10	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 14:10	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 14:10	
8260 5035	12/27/18 15:00	5	01/01/19 14:10	
8270C	12/27/18 15:00	5	01/01/19 14:10	
T183753-10 B7@1 [Soil] Sampled 12/18/18 14:40 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/16/19 14:40	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 14:40	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 14:40	
8081 Pesticides	12/27/18 15:00	5	01/01/19 14:40	
8082 PCB	12/27/18 15:00	5	01/01/19 14:40	
8260 5035	12/27/18 15:00	5	01/01/19 14:40	
8270C	12/27/18 15:00	5	01/01/19 14:40	

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T183753

Client: Northgate Environmental Management -- Laguna **Project Manager:** Joann Marroquin
Project: Holland Sunset **Project Number:** 2047.17.01

Analysis	Due	TAT	Expires	Comments
T183753-11 B7@5 [Soil] Sampled 12/18/18 14:50 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/16/19 14:50	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 14:50	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 14:50	
8081 Pesticides	12/27/18 15:00	5	01/01/19 14:50	
8082 PCB	12/27/18 15:00	5	01/01/19 14:50	
8260 5035	12/27/18 15:00	5	01/01/19 14:50	
8270C	12/27/18 15:00	5	01/01/19 14:50	
T183753-12 B7@10 [Soil] Sampled 12/18/18 15:00 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/16/19 15:00	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 15:00	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 15:00	
8081 Pesticides	12/27/18 15:00	5	01/01/19 15:00	
8082 PCB	12/27/18 15:00	5	01/01/19 15:00	
8260 5035	12/27/18 15:00	5	01/01/19 15:00	
8270C	12/27/18 15:00	5	01/01/19 15:00	
T183753-13 B7@15 [Soil] Sampled 12/18/18 15:10 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/16/19 15:10	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 15:10	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 15:10	
8260 5035	12/27/18 15:00	5	01/01/19 15:10	
8270C	12/27/18 15:00	5	01/01/19 15:10	
T183753-14 B8@1 [Soil] Sampled 12/18/18 15:50 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/16/19 15:50	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 15:50	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 15:50	
8081 Pesticides	12/27/18 15:00	5	01/01/19 15:50	
8082 PCB	12/27/18 15:00	5	01/01/19 15:50	
8260 5035	12/27/18 15:00	5	01/01/19 15:50	
8270C	12/27/18 15:00	5	01/01/19 15:50	

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

WORK ORDER

T183753

Client: Northgate Environmental Management -- Laguna **Project Manager:** Joann Marroquin
Project: Holland Sunset **Project Number:** 2047.17.01

Analysis	Due	TAT	Expires	Comments
T183753-15 B8@5 [Soil] Sampled 12/18/18 16:00 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/16/19 16:00	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 16:00	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 16:00	
8081 Pesticides	12/27/18 15:00	5	01/01/19 16:00	
8082 PCB	12/27/18 15:00	5	01/01/19 16:00	
8260 5035	12/27/18 15:00	5	01/01/19 16:00	
8270C	12/27/18 15:00	5	01/01/19 16:00	
T183753-16 B8@9 [Soil] Sampled 12/18/18 16:15 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	06/16/19 16:15	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 16:15	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 16:15	
8081 Pesticides	12/27/18 15:00	5	01/01/19 16:15	
8082 PCB	12/27/18 15:00	5	01/01/19 16:15	
8260 5035	12/27/18 15:00	5	01/01/19 16:15	
8270C	12/27/18 15:00	5	01/01/19 16:15	

Analysis groups included in this work order

6010 Title 22

subgroup 6010B T22 7470/71 Hg

Reviewed By Date

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T183753

Client: Northgate Environmental Management -- Laguna
Project: Holland Sunset
Project Manager: Joann Marroquin
Project Number: 2047.17.01

Report To:
Northgate Environmental Management -- Laguna Hills
Derrick Willis
24411 Ridge Route Drive, Suite 130
Laguna Hills, CA 92653

Date Due:	01/10/19 17:00 (14 day TAT)		
Received By:	Sunny Lounethone	Date Received:	12/18/18 11:30
Logged In By:	Sunny Lounethone	Date Logged In:	12/18/18 14:03

Samples Received at: **4.4°C**

Custody Seals	No	Received On Ice	Yes
Containers Intact	Yes		
COC/Labels Agree	Yes		
Preservation Confirm	Yes		

Analysis	Due	TAT	Expires	Comments
T183753-01 B5@1 [Soil] Sampled 12/18/18 00:01 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 00:01	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 00:01	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 00:01	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 00:01	
8081 Pesticides	12/27/18 15:00	5	01/01/19 00:01	
8082 PCB	12/27/18 15:00	5	01/01/19 00:01	
8260 5035	12/27/18 15:00	5	01/01/19 00:01	
8270C	12/27/18 15:00	5	01/01/19 00:01	
STLC Pb	01/10/19 15:00	5	06/16/19 00:01	
STLC Leaching Procedure Metals	01/10/19 15:00	5	06/16/19 00:01	Added STLC Pb 1/7/19 Due 1/10/19
T183753-02 B5@5 [Soil] Sampled 12/18/18 00:05 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 00:05	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 00:05	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 00:05	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 00:05	
8081 Pesticides	12/27/18 15:00	5	01/01/19 00:05	
8082 PCB	12/27/18 15:00	5	01/01/19 00:05	
8260 5035	12/27/18 15:00	5	01/01/19 00:05	
8270C	12/27/18 15:00	5	01/01/19 00:05	

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T183753

Client: Northgate Environmental Management -- Laguna **Project Manager:** Joann Marroquin
Project: Holland Sunset **Project Number:** 2047.17.01

Analysis	Due	TAT	Expires	Comments
T183753-03 B5@10 [Soil] Sampled 12/18/18 00:20 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 00:20	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 00:20	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 00:20	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 00:20	
8081 Pesticides	12/27/18 15:00	5	01/01/19 00:20	
8082 PCB	12/27/18 15:00	5	01/01/19 00:20	
8260 5035	12/27/18 15:00	5	01/01/19 00:20	
8270C	12/27/18 15:00	5	01/01/19 00:20	
T183753-04 B5@15 [Soil] Sampled 12/18/18 00:35 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 00:35	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 00:35	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 00:35	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 00:35	
8260 5035	12/27/18 15:00	5	01/01/19 00:35	
8270C	12/27/18 15:00	5	01/01/19 00:35	
T183753-05 B5@17 [Soil] Sampled 12/18/18 00:45 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 00:45	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 00:45	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 00:45	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 00:45	
8260 5035	12/27/18 15:00	5	01/01/19 00:45	
T183753-06 B6@1 [Soil] Sampled 12/18/18 01:20 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 01:20	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 01:20	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 01:20	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 01:20	
8081 Pesticides	12/27/18 15:00	5	01/01/19 01:20	
8082 PCB	12/27/18 15:00	5	01/01/19 01:20	
8260 5035	12/27/18 15:00	5	01/01/19 01:20	
8270C	12/27/18 15:00	5	01/01/19 01:20	

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T183753

Client: Northgate Environmental Management -- Laguna **Project Manager:** Joann Marroquin
Project: Holland Sunset **Project Number:** 2047.17.01

Analysis	Due	TAT	Expires	Comments
T183753-07 B6@5 [Soil] Sampled 12/18/18 13:35 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 13:35	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 13:35	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 13:35	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 13:35	
8081 Pesticides	12/27/18 15:00	5	01/01/19 13:35	
8082 PCB	12/27/18 15:00	5	01/01/19 13:35	
8260 5035	12/27/18 15:00	5	01/01/19 13:35	
8270C	12/27/18 15:00	5	01/01/19 13:35	
T183753-08 B6@10 [Soil] Sampled 12/18/18 01:50 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 01:50	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 01:50	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 01:50	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 01:50	
8081 Pesticides	12/27/18 15:00	5	01/01/19 01:50	
8082 PCB	12/27/18 15:00	5	01/01/19 01:50	
8260 5035	12/27/18 15:00	5	01/01/19 01:50	
8270C	12/27/18 15:00	5	01/01/19 01:50	
T183753-09 B6@15 [Soil] Sampled 12/18/18 02:10 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 02:10	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 02:10	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 02:10	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 02:10	
8260 5035	12/27/18 15:00	5	01/01/19 02:10	
8270C	12/27/18 15:00	5	01/01/19 02:10	

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T183753

Client: Northgate Environmental Management -- Laguna **Project Manager:** Joann Marroquin
Project: Holland Sunset **Project Number:** 2047.17.01

Analysis	Due	TAT	Expires	Comments
T183753-10 B7@1 [Soil] Sampled 12/18/18 02:40 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 02:40	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 02:40	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 02:40	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 02:40	
8081 Pesticides	12/27/18 15:00	5	01/01/19 02:40	
8082 PCB	12/27/18 15:00	5	01/01/19 02:40	
8260 5035	12/27/18 15:00	5	01/01/19 02:40	
8270C	12/27/18 15:00	5	01/01/19 02:40	
T183753-11 B7@5 [Soil] Sampled 12/18/18 02:50 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 02:50	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 02:50	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 02:50	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 02:50	
8081 Pesticides	12/27/18 15:00	5	01/01/19 02:50	
8082 PCB	12/27/18 15:00	5	01/01/19 02:50	
8260 5035	12/27/18 15:00	5	01/01/19 02:50	
8270C	12/27/18 15:00	5	01/01/19 02:50	
T183753-12 B7@10 [Soil] Sampled 12/18/18 03:00 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 03:00	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 03:00	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 03:00	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 03:00	
8081 Pesticides	12/27/18 15:00	5	01/01/19 03:00	
8082 PCB	12/27/18 15:00	5	01/01/19 03:00	
8260 5035	12/27/18 15:00	5	01/01/19 03:00	
8270C	12/27/18 15:00	5	01/01/19 03:00	

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

WORK ORDER

T183753

Client: Northgate Environmental Management -- Laguna
Project: Holland Sunset
Project Manager: Joann Marroquin
Project Number: 2047.17.01

Analysis	Due	TAT	Expires	Comments
T183753-13 B7@15 [Soil] Sampled 12/18/18 03:10 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 03:10	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 03:10	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 03:10	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 03:10	
8260 5035	12/27/18 15:00	5	01/01/19 03:10	
8270C	12/27/18 15:00	5	01/01/19 03:10	
T183753-14 B8@1 [Soil] Sampled 12/18/18 03:50 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 03:50	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 03:50	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 03:50	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 03:50	
8081 Pesticides	12/27/18 15:00	5	01/01/19 03:50	
8082 PCB	12/27/18 15:00	5	01/01/19 03:50	
8260 5035	12/27/18 15:00	5	01/01/19 03:50	
8270C	12/27/18 15:00	5	01/01/19 03:50	
T183753-15 B8@5 [Soil] Sampled 12/18/18 04:00 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 04:00	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 04:00	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 04:00	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 04:00	
8081 Pesticides	12/27/18 15:00	5	01/01/19 04:00	
8082 PCB	12/27/18 15:00	5	01/01/19 04:00	
8260 5035	12/27/18 15:00	5	01/01/19 04:00	
8270C	12/27/18 15:00	5	01/01/19 04:00	

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T183753

Client: Northgate Environmental Management -- Laguna **Project Manager:** Joann Marroquin
Project: Holland Sunset **Project Number:** 2047.17.01

Analysis	Due	TAT	Expires	Comments
T183753-16 B8@9 [Soil] Sampled 12/18/18 04:15 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 04:15	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 04:15	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 04:15	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 04:15	
8081 Pesticides	12/27/18 15:00	5	01/01/19 04:15	
8082 PCB	12/27/18 15:00	5	01/01/19 04:15	
8260 5035	12/27/18 15:00	5	01/01/19 04:15	
8270C	12/27/18 15:00	5	01/01/19 04:15	

Analysis groups included in this work order

6010 Title 22

subgroup 6010B T22 7470/71 Hg

Reviewed By Date

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T183753

Client: **Northgate Environmental Management -- Laguna** **Project Manager:** **Joann Marroquin**
Project: **Holland Sunset** **Project Number:** **2047.17.01**

Report To:
Northgate Environmental Management -- Laguna Hills
Derrick Willis
24411 Ridge Route Drive, Suite 130
Laguna Hills, CA 92653

Date Due: 01/10/19 17:00 (14 day TAT)
Received By: Sunny Lounethone Date Received: 12/18/18 11:30
Logged In By: Sunny Lounethone Date Logged In: 12/18/18 14:03

Samples Received at: **4.4°C**
Custody Seals No Received On Ice Yes
Containers Intact Yes
COC/Labels Agree Yes
Preservation Confirm Yes

Analysis	Due	TAT	Expires	Comments
T183753-01 B5@1 [Soil] Sampled 12/18/18 00:01 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 00:01	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 00:01	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 00:01	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 00:01	
8081 Pesticides	12/27/18 15:00	5	01/01/19 00:01	
8082 PCB	12/27/18 15:00	5	01/01/19 00:01	
8260 5035	12/27/18 15:00	5	01/01/19 00:01	
8270C	12/27/18 15:00	5	01/01/19 00:01	
STLC Pb	01/10/19 15:00	5	06/16/19 00:01	
STLC Leaching Procedure Metals	01/10/19 15:00	5	06/16/19 00:01	Added STLC Pb 1/7/19 Due 1/10/19
TCLP Leaching Procedure Metals	01/10/19 15:00	5	06/16/19 00:01	
TCLP Pb	01/10/19 15:00	5	06/16/19 00:01	Added on 1/9/19 Due 1/10/19

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T183753

Client: Northgate Environmental Management -- Laguna **Project Manager:** Joann Marroquin
Project: Holland Sunset **Project Number:** 2047.17.01

Analysis	Due	TAT	Expires	Comments
T183753-02 B5@5 [Soil] Sampled 12/18/18 00:05 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 00:05	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 00:05	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 00:05	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 00:05	
8081 Pesticides	12/27/18 15:00	5	01/01/19 00:05	
8082 PCB	12/27/18 15:00	5	01/01/19 00:05	
8260 5035	12/27/18 15:00	5	01/01/19 00:05	
8270C	12/27/18 15:00	5	01/01/19 00:05	
T183753-03 B5@10 [Soil] Sampled 12/18/18 00:20 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 00:20	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 00:20	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 00:20	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 00:20	
8081 Pesticides	12/27/18 15:00	5	01/01/19 00:20	
8082 PCB	12/27/18 15:00	5	01/01/19 00:20	
8260 5035	12/27/18 15:00	5	01/01/19 00:20	
8270C	12/27/18 15:00	5	01/01/19 00:20	
T183753-04 B5@15 [Soil] Sampled 12/18/18 00:35 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 00:35	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 00:35	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 00:35	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 00:35	
8260 5035	12/27/18 15:00	5	01/01/19 00:35	
8270C	12/27/18 15:00	5	01/01/19 00:35	
T183753-05 B5@17 [Soil] Sampled 12/18/18 00:45 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 00:45	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 00:45	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 00:45	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 00:45	
8260 5035	12/27/18 15:00	5	01/01/19 00:45	

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T183753

Client: Northgate Environmental Management -- Laguna **Project Manager:** Joann Marroquin
Project: Holland Sunset **Project Number:** 2047.17.01

Analysis	Due	TAT	Expires	Comments
T183753-06 B6@1 [Soil] Sampled 12/18/18 01:20 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 01:20	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 01:20	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 01:20	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 01:20	
8081 Pesticides	12/27/18 15:00	5	01/01/19 01:20	
8082 PCB	12/27/18 15:00	5	01/01/19 01:20	
8260 5035	12/27/18 15:00	5	01/01/19 01:20	
8270C	12/27/18 15:00	5	01/01/19 01:20	
T183753-07 B6@5 [Soil] Sampled 12/18/18 13:35 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 13:35	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 13:35	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 13:35	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 13:35	
8081 Pesticides	12/27/18 15:00	5	01/01/19 13:35	
8082 PCB	12/27/18 15:00	5	01/01/19 13:35	
8260 5035	12/27/18 15:00	5	01/01/19 13:35	
8270C	12/27/18 15:00	5	01/01/19 13:35	
T183753-08 B6@10 [Soil] Sampled 12/18/18 01:50 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 01:50	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 01:50	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 01:50	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 01:50	
8081 Pesticides	12/27/18 15:00	5	01/01/19 01:50	
8082 PCB	12/27/18 15:00	5	01/01/19 01:50	
8260 5035	12/27/18 15:00	5	01/01/19 01:50	
8270C	12/27/18 15:00	5	01/01/19 01:50	

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

WORK ORDER

T183753

Client: Northgate Environmental Management -- Laguna
Project: Holland Sunset
Project Manager: Joann Marroquin
Project Number: 2047.17.01

Analysis	Due	TAT	Expires	Comments
T183753-09 B6@15 [Soil] Sampled 12/18/18 02:10 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 02:10	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 02:10	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 02:10	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 02:10	
8260 5035	12/27/18 15:00	5	01/01/19 02:10	
8270C	12/27/18 15:00	5	01/01/19 02:10	
T183753-10 B7@1 [Soil] Sampled 12/18/18 02:40 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 02:40	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 02:40	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 02:40	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 02:40	
8081 Pesticides	12/27/18 15:00	5	01/01/19 02:40	
8082 PCB	12/27/18 15:00	5	01/01/19 02:40	
8260 5035	12/27/18 15:00	5	01/01/19 02:40	
8270C	12/27/18 15:00	5	01/01/19 02:40	
T183753-11 B7@5 [Soil] Sampled 12/18/18 02:50 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 02:50	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 02:50	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 02:50	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 02:50	
8081 Pesticides	12/27/18 15:00	5	01/01/19 02:50	
8082 PCB	12/27/18 15:00	5	01/01/19 02:50	
8260 5035	12/27/18 15:00	5	01/01/19 02:50	
8270C	12/27/18 15:00	5	01/01/19 02:50	

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

WORK ORDER

T183753

Client: Northgate Environmental Management -- Laguna
Project: Holland Sunset
Project Manager: Joann Marroquin
Project Number: 2047.17.01

Analysis	Due	TAT	Expires	Comments
T183753-12 B7@10 [Soil] Sampled 12/18/18 03:00 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 03:00	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 03:00	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 03:00	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 03:00	
8081 Pesticides	12/27/18 15:00	5	01/01/19 03:00	
8082 PCB	12/27/18 15:00	5	01/01/19 03:00	
8260 5035	12/27/18 15:00	5	01/01/19 03:00	
8270C	12/27/18 15:00	5	01/01/19 03:00	
T183753-13 B7@15 [Soil] Sampled 12/18/18 03:10 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 03:10	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 03:10	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 03:10	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 03:10	
8260 5035	12/27/18 15:00	5	01/01/19 03:10	
8270C	12/27/18 15:00	5	01/01/19 03:10	
T183753-14 B8@1 [Soil] Sampled 12/18/18 03:50 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 03:50	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 03:50	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 03:50	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 03:50	
8081 Pesticides	12/27/18 15:00	5	01/01/19 03:50	
8082 PCB	12/27/18 15:00	5	01/01/19 03:50	
8260 5035	12/27/18 15:00	5	01/01/19 03:50	
8270C	12/27/18 15:00	5	01/01/19 03:50	

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T183753

Client: Northgate Environmental Management -- Laguna
Project: Holland Sunset
Project Manager: Joann Marroquin
Project Number: 2047.17.01

Analysis	Due	TAT	Expires	Comments
T183753-15 B8@5 [Soil] Sampled 12/18/18 04:00 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 04:00	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 04:00	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 04:00	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 04:00	
8081 Pesticides	12/27/18 15:00	5	01/01/19 04:00	
8082 PCB	12/27/18 15:00	5	01/01/19 04:00	
8260 5035	12/27/18 15:00	5	01/01/19 04:00	
8270C	12/27/18 15:00	5	01/01/19 04:00	
T183753-16 B8@9 [Soil] Sampled 12/18/18 04:15 (GMT-08:00) Pacific Time (US &				
6010 Title 22	12/27/18 15:00	5	12/23/18 04:15	
8015 Carbon Chain	12/27/18 15:00	5	01/01/19 04:15	
8015 CC (6-12)(13-22)(23-32)	12/21/18 15:00	3	01/01/19 04:15	
8015 m 5035-GRO	12/27/18 15:00	5	01/01/19 04:15	
8081 Pesticides	12/27/18 15:00	5	01/01/19 04:15	
8082 PCB	12/27/18 15:00	5	01/01/19 04:15	
8260 5035	12/27/18 15:00	5	01/01/19 04:15	
8270C	12/27/18 15:00	5	01/01/19 04:15	

Analysis groups included in this work order

6010 Title 22

subgroup 6010B T22 7470/71 Hg

Reviewed By

Date

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

27 December 2018

Derrick Willis
Northgate Environmental Management -- Laguna Hills
24411 Ridge Route Drive, Suite 130
Laguna Hills, CA 92653

RE: Holland Sunset

Enclosed are the results of analyses for samples received by the laboratory on 12/18/18 11:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Joann Marroquin
Client Services Manager

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	12/27/18 16:02

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B1	T183754-01	Air	12/18/18 05:30	12/18/18 11:30
B2	T183754-02	Air	12/18/18 06:50	12/18/18 11:30
B3	T183754-03	Air	12/18/18 07:27	12/18/18 11:30
B7	T183754-04	Air	12/18/18 08:04	12/18/18 11:30

SunStar Laboratories, Inc.

Joann Marroquin

Joann Marroquin, Client Services Manager

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.

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	12/27/18 16:02

DETECTIONS SUMMARY

Sample ID: B1 **Laboratory ID:** T183754-01

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	**8.1**	6.9	ug/m³ Air	TO-15	
Trichloroethene	**6.7**	5.5	ug/m³ Air	TO-15	

Sample ID: B2 **Laboratory ID:** T183754-02

No Results Detected

Sample ID: B3 **Laboratory ID:** T183754-03

Analyte	Result	Reporting Limit	Units	Method	Notes
1,1,2-Trichloroethane	**1700**	280	ug/m³ Air	TO-15	TO-14
Ethylbenzene	**1300**	220	ug/m³ Air	TO-15	TO-14
m,p-Xylene	**5500**	220	ug/m³ Air	TO-15	TO-14
o-Xylene	**1700**	220	ug/m³ Air	TO-15	TO-14

Sample ID: B7 **Laboratory ID:** T183754-04

Analyte	Result	Reporting Limit	Units	Method	Notes
Acetone	**110**	12	ug/m³ Air	TO-15	
Carbon Disulfide	**3.8**	3.2	ug/m³ Air	TO-15	
Cyclohexane	**7.6**	3.5	ug/m³ Air	TO-15	
Heptane	**23**	4.2	ug/m³ Air	TO-15	
Hexane	**16**	3.6	ug/m³ Air	TO-15	
Dichlorodifluoromethane	**520**	5.0	ug/m³ Air	TO-15	
Trichloroethene	**7.7**	5.5	ug/m³ Air	TO-15	
1,2,4-Trimethylbenzene	**8.6**	5.0	ug/m³ Air	TO-15	
2-Butanone (MEK)	**35**	15	ug/m³ Air	TO-15	
Benzene	**18**	3.3	ug/m³ Air	TO-15	
Toluene	**53**	3.8	ug/m³ Air	TO-15	

SunStar Laboratories, Inc.

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.

Joann Marroquin

Joann Marroquin, Client Services Manager

SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	12/27/18 16:02

Sample ID: B7 **Laboratory ID:** T183754-04

Analyte	Result	Reporting Limit	Units	Method	Notes
Ethylbenzene	**120**	4.4	ug/m³ Air	TO-15	
m,p-Xylene	**410**	8.8	ug/m³ Air	TO-15	
o-Xylene	**120**	4.4	ug/m³ Air	TO-15	

SunStar Laboratories, Inc.

Joann Marroquin

Joann Marroquin, Client Services Manager

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SunStar Laboratories, Inc.
Providing Quality Analytical Services Nationwide

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	12/27/18 16:02

B1

T183754-01 (Air)

SunStar Laboratories, Inc.

TO-15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acetone	ND	12	ug/m³ Air	1.41	8121946	12/19/18	12/21/18	TO-15	
1,3-Butadiene	ND	4.5	"	"	"	"	"	"	
Carbon Disulfide	ND	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"	"	"	"	"	"	
Isopropyl alcohol	ND	13	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
Bromoform	ND	11	"	"	"	"	"	"	
Bromomethane	ND	4.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Chloroethane	ND	2.7	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	11	"	"	"	"	"	"	
Cyclohexane	ND	3.5	"	"	"	"	"	"	
Heptane	ND	4.2	"	"	"	"	"	"	
Hexane	ND	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	6.1	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	6.1	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	6.1	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	

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Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	12/27/18 16:02

B1

T183754-01 (Air)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
TO-15									
Methylene chloride	ND	3.5	ug/m³ Air	1.41	8121946	12/19/18	12/21/18	TO-15	
Styrene	ND	4.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	3.0	"	"	"	"	"	"	
Tetrachloroethene	**8.1**	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.6	"	"	"	"	"	"	
Trichloroethene	**6.7**	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	18	"	"	"	"	"	"	
2-Butanone (MEK)	ND	15	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	42	"	"	"	"	"	"	
Benzene	ND	3.3	"	"	"	"	"	"	
Toluene	ND	3.8	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.8 %*	*40-160*		"	"	"	"	

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24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	12/27/18 16:02

B2

T183754-02 (Air)

SunStar Laboratories, Inc.

TO-15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acetone	ND	12	ug/m³ Air	1.48	8121946	12/19/18	12/21/18	TO-15	
1,3-Butadiene	ND	4.5	"	"	"	"	"	"	
Carbon Disulfide	ND	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"	"	"	"	"	"	
Isopropyl alcohol	ND	13	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
Bromoform	ND	11	"	"	"	"	"	"	
Bromomethane	ND	4.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Chloroethane	ND	2.7	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	11	"	"	"	"	"	"	
Cyclohexane	ND	3.5	"	"	"	"	"	"	
Heptane	ND	4.2	"	"	"	"	"	"	
Hexane	ND	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	6.1	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	6.1	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	6.1	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	

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B2

T183754-02 (Air)

SunStar Laboratories, Inc.

TO-15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Methylene chloride	ND	3.5	ug/m³ Air	1.48	8121946	12/19/18	12/21/18	TO-15	
Styrene	ND	4.3	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	3.0	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.6	"	"	"	"	"	"	
Trichloroethene	ND	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	18	"	"	"	"	"	"	
2-Butanone (MEK)	ND	15	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	42	"	"	"	"	"	"	
Benzene	ND	3.3	"	"	"	"	"	"	
Toluene	ND	3.8	"	"	"	"	"	"	
Ethylbenzene	ND	4.4	"	"	"	"	"	"	
m,p-Xylene	ND	8.8	"	"	"	"	"	"	
o-Xylene	ND	4.4	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.5 %*	*40-160*		"	"	"	"	

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B3

T183754-03 (Air)

SunStar Laboratories, Inc.

TO-15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acetone	ND	120	ug/m³ Air	1.56	8121946	12/19/18	12/20/18	TO-15	TO-14
1,3-Butadiene	ND	110	"	"	"	"	"	"	TO-14
Carbon Disulfide	ND	160	"	"	"	"	"	"	TO-14
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	390	"	"	"	"	"	"	TO-14
Isopropyl alcohol	ND	130	"	"	"	"	"	"	TO-14
Bromodichloromethane	ND	340	"	"	"	"	"	"	TO-14
Bromoform	ND	530	"	"	"	"	"	"	TO-14
Bromomethane	ND	200	"	"	"	"	"	"	TO-14
Carbon tetrachloride	ND	320	"	"	"	"	"	"	TO-14
Chlorobenzene	ND	230	"	"	"	"	"	"	TO-14
Chloroethane	ND	130	"	"	"	"	"	"	TO-14
Chloroform	ND	250	"	"	"	"	"	"	TO-14
Chloromethane	ND	110	"	"	"	"	"	"	TO-14
Cyclohexane	ND	170	"	"	"	"	"	"	TO-14
Heptane	ND	210	"	"	"	"	"	"	TO-14
Hexane	ND	180	"	"	"	"	"	"	TO-14
Dibromochloromethane	ND	430	"	"	"	"	"	"	TO-14
1,2-Dibromoethane (EDB)	ND	390	"	"	"	"	"	"	TO-14
1,2-Dichlorobenzene	ND	310	"	"	"	"	"	"	TO-14
1,3-Dichlorobenzene	ND	310	"	"	"	"	"	"	TO-14
1,4-Dichlorobenzene	ND	310	"	"	"	"	"	"	TO-14
Dichlorodifluoromethane	ND	250	"	"	"	"	"	"	TO-14
1,1-Dichloroethane	ND	210	"	"	"	"	"	"	TO-14
1,2-Dichloroethane	ND	210	"	"	"	"	"	"	TO-14
1,1-Dichloroethene	ND	200	"	"	"	"	"	"	TO-14
cis-1,2-Dichloroethene	ND	200	"	"	"	"	"	"	TO-14
trans-1,2-Dichloroethene	ND	200	"	"	"	"	"	"	TO-14
1,2-Dichloropropane	ND	240	"	"	"	"	"	"	TO-14
cis-1,3-Dichloropropene	ND	230	"	"	"	"	"	"	TO-14
trans-1,3-Dichloropropene	ND	230	"	"	"	"	"	"	TO-14
4-Ethyltoluene	ND	250	"	"	"	"	"	"	TO-14

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	12/27/18 16:02

B3

T183754-03 (Air)

SunStar Laboratories, Inc.

TO-15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Methylene chloride	ND	180	ug/m³ Air	1.56	8121946	12/19/18	12/20/18	TO-15	TO-14
Styrene	ND	220	"	"	"	"	"	"	TO-14
1,1,2,2-Tetrachloroethane	ND	350	"	"	"	"	"	"	TO-14
Tetrahydrofuran	ND	150	"	"	"	"	"	"	TO-14
Tetrachloroethene	ND	350	"	"	"	"	"	"	TO-14
1,1,2-Trichloroethane	**1700**	280	"	"	"	"	"	"	TO-14
1,1,1-Trichloroethane	ND	280	"	"	"	"	"	"	TO-14
Trichloroethene	ND	270	"	"	"	"	"	"	TO-14
Trichlorofluoromethane	ND	290	"	"	"	"	"	"	TO-14
1,3,5-Trimethylbenzene	ND	250	"	"	"	"	"	"	TO-14
1,2,4-Trimethylbenzene	ND	250	"	"	"	"	"	"	TO-14
Vinyl acetate	ND	180	"	"	"	"	"	"	TO-14
Vinyl chloride	ND	130	"	"	"	"	"	"	TO-14
1,4-Dioxane	ND	180	"	"	"	"	"	"	TO-14
2-Butanone (MEK)	ND	150	"	"	"	"	"	"	TO-14
Methyl isobutyl ketone	ND	210	"	"	"	"	"	"	TO-14
Benzene	ND	160	"	"	"	"	"	"	TO-14
Toluene	ND	190	"	"	"	"	"	"	TO-14
Ethylbenzene	**1300**	220	"	"	"	"	"	"	TO-14
m,p-Xylene	**5500**	220	"	"	"	"	"	"	TO-14
o-Xylene	**1700**	220	"	"	"	"	"	"	TO-14

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B7

T183754-04 (Air)

SunStar Laboratories, Inc.

TO-15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Acetone	**110**	12	ug/m³ Air	1.4	8121946	12/19/18	12/21/18	TO-15	
1,3-Butadiene	ND	4.5	"	"	"	"	"	"	
Carbon Disulfide	**3.8**	3.2	"	"	"	"	"	"	
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"	"	"	"	"	"	
Isopropyl alcohol	ND	13	"	"	"	"	"	"	
Bromodichloromethane	ND	6.8	"	"	"	"	"	"	
Bromoform	ND	11	"	"	"	"	"	"	
Bromomethane	ND	4.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	6.4	"	"	"	"	"	"	
Chlorobenzene	ND	4.7	"	"	"	"	"	"	
Chloroethane	ND	2.7	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	11	"	"	"	"	"	"	
Cyclohexane	**7.6**	3.5	"	"	"	"	"	"	
Heptane	**23**	4.2	"	"	"	"	"	"	
Hexane	**16**	3.6	"	"	"	"	"	"	
Dibromochloromethane	ND	8.7	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	7.8	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	6.1	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	6.1	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	6.1	"	"	"	"	"	"	
Dichlorodifluoromethane	**520**	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,2-Dichloroethane	ND	4.1	"	"	"	"	"	"	
1,1-Dichloroethene	ND	4.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	4.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	4.7	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	4.6	"	"	"	"	"	"	
4-Ethyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	3.5	"	"	"	"	"	"	

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Laguna Hills CA, 92653	Project Manager: Derrick Willis	12/27/18 16:02

B7

T183754-04 (Air)

SunStar Laboratories, Inc.

TO-15

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Styrene	ND	4.3	ug/m³ Air	1.4	8121946	12/19/18	12/21/18	TO-15	
1,1,2,2-Tetrachloroethane	ND	7.0	"	"	"	"	"	"	
Tetrahydrofuran	ND	3.0	"	"	"	"	"	"	
Tetrachloroethene	ND	6.9	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.6	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.6	"	"	"	"	"	"	
Trichloroethene	**7.7**	5.5	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.7	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	**8.6**	5.0	"	"	"	"	"	"	
Vinyl acetate	ND	3.6	"	"	"	"	"	"	
Vinyl chloride	ND	2.6	"	"	"	"	"	"	
1,4-Dioxane	ND	18	"	"	"	"	"	"	
2-Butanone (MEK)	**35**	15	"	"	"	"	"	"	
Methyl isobutyl ketone	ND	42	"	"	"	"	"	"	
Benzene	**18**	3.3	"	"	"	"	"	"	
Toluene	**53**	3.8	"	"	"	"	"	"	
Ethylbenzene	**120**	4.4	"	"	"	"	"	"	
m,p-Xylene	**410**	8.8	"	"	"	"	"	"	
o-Xylene	**120**	4.4	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*95.5 %*	*40-160*		"	"	"	"	

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24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	12/27/18 16:02

TO-15 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8121946 - Canister Analysis										
Blank (8121946-BLK1)				Prepared: 12/19/18 Analyzed: 12/21/18						
Acetone	ND	12	ug/m³ Air							
1,3-Butadiene	ND	4.5	"							
Carbon Disulfide	ND	3.2	"							
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	7.7	"							
Isopropyl alcohol	ND	13	"							
Bromodichloromethane	ND	6.8	"							
Bromoform	ND	11	"							
Bromomethane	ND	4.0	"							
Carbon tetrachloride	ND	6.4	"							
Chlorobenzene	ND	4.7	"							
Chloroethane	ND	2.7	"							
Chloroform	ND	5.0	"							
Chloromethane	ND	11	"							
Cyclohexane	ND	3.5	"							
Heptane	ND	4.2	"							
Hexane	ND	3.6	"							
Dibromochloromethane	ND	8.7	"							
1,2-Dibromoethane (EDB)	ND	7.8	"							
1,2-Dichlorobenzene	ND	6.1	"							
1,3-Dichlorobenzene	ND	6.1	"							
1,4-Dichlorobenzene	ND	6.1	"							
Dichlorodifluoromethane	ND	5.0	"							
1,1-Dichloroethane	ND	4.1	"							
1,2-Dichloroethane	ND	4.1	"							
1,1-Dichloroethene	ND	4.0	"							
cis-1,2-Dichloroethene	ND	4.0	"							
trans-1,2-Dichloroethene	ND	4.0	"							
1,2-Dichloropropane	ND	4.7	"							
cis-1,3-Dichloropropene	ND	4.6	"							
trans-1,3-Dichloropropene	ND	4.6	"							
4-Ethyltoluene	ND	5.0	"							
Methylene chloride	ND	3.5	"							
Styrene	ND	4.3	"							
1,1,2,2-Tetrachloroethane	ND	7.0	"							
Tetrahydrofuran	ND	3.0	"							

SunStar Laboratories, Inc.



Joann Marroquin, Client Services Manager

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SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	12/27/18 16:02

TO-15 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8121946 - Canister Analysis										
Blank (8121946-BLK1)				Prepared: 12/19/18 Analyzed: 12/21/18						
Tetrachloroethene	ND	6.9	ug/m³ Air							
1,1,2-Trichloroethane	ND	5.6	"							
1,1,1-Trichloroethane	ND	5.6	"							
Trichloroethene	ND	5.5	"							
Trichlorofluoromethane	ND	5.7	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
Vinyl acetate	ND	3.6	"							
Vinyl chloride	ND	2.6	"							
1,4-Dioxane	ND	18	"							
2-Butanone (MEK)	ND	15	"							
Methyl isobutyl ketone	ND	42	"							
Benzene	ND	3.3	"							
Toluene	ND	3.8	"							
Ethylbenzene	ND	4.4	"							
m,p-Xylene	ND	8.8	"							
o-Xylene	ND	4.4	"							
Surrogate: 4-Bromofluorobenzene	*350*		*"*	*362*		*96.8*	*40-160*			
Duplicate (8121946-DUP1)		**Source: T183743-01**		Prepared & Analyzed: 12/19/18						
Acetone	ND	120	ug/m³ Air		ND				30	TO-14
1,3-Butadiene	ND	110	"		ND				30	TO-14
Carbon Disulfide	ND	160	"		ND				30	TO-14
1,1,2-trichloro-1,2,2-trifluoroethane (CFC 113)	ND	390	"		ND				30	TO-14
Isopropyl alcohol	ND	130	"		ND				30	TO-14
Bromodichloromethane	ND	340	"		ND				30	TO-14
Bromoform	ND	530	"		ND				30	TO-14
Bromomethane	ND	200	"		ND				30	TO-14
Carbon tetrachloride	ND	320	"		ND				30	TO-14
Chlorobenzene	ND	230	"		ND				30	TO-14
Chloroethane	ND	130	"		ND				30	TO-14
Chloroform	ND	250	"		ND				30	TO-14
Chloromethane	ND	110	"		ND				30	TO-14
Cyclohexane	ND	170	"		ND				30	TO-14
Heptane	ND	210	"		ND				30	TO-14

SunStar Laboratories, Inc.

Joann Marroquin

Joann Marroquin, Client Services Manager

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PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

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Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	12/27/18 16:02

TO-15 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8121946 - Canister Analysis										
Duplicate (8121946-DUP1)	**Source: T183743-01**		Prepared & Analyzed: 12/19/18							
Hexane	ND	180	ug/m³ Air		ND				30	TO-14
Dibromochloromethane	ND	430	"		ND				30	TO-14
1,2-Dibromoethane (EDB)	ND	390	"		ND				30	TO-14
1,2-Dichlorobenzene	ND	310	"		ND				30	TO-14
1,3-Dichlorobenzene	ND	310	"		ND				30	TO-14
1,4-Dichlorobenzene	ND	310	"		ND				30	TO-14
Dichlorodifluoromethane	ND	250	"		ND				30	TO-14
1,1-Dichloroethane	ND	210	"		ND				30	TO-14
1,2-Dichloroethane	ND	210	"		ND				30	TO-14
1,1-Dichloroethene	ND	200	"		ND				30	TO-14
cis-1,2-Dichloroethene	ND	200	"		ND				30	TO-14
trans-1,2-Dichloroethene	ND	200	"		ND				30	TO-14
1,2-Dichloropropane	ND	240	"		ND				30	TO-14
cis-1,3-Dichloropropene	ND	230	"		ND				30	TO-14
trans-1,3-Dichloropropene	ND	230	"		ND				30	TO-14
4-Ethyltoluene	ND	250	"		ND				30	TO-14
Methylene chloride	ND	180	"		ND				30	TO-14
Styrene	ND	220	"		ND				30	TO-14
1,1,2,2-Tetrachloroethane	ND	350	"		ND				30	TO-14
Tetrahydrofuran	ND	150	"		ND				30	TO-14
Tetrachloroethene	1830	350	"		1840			0.289	30	TO-14
1,1,2-Trichloroethane	ND	280	"		ND				30	TO-14
1,1,1-Trichloroethane	ND	280	"		ND				30	TO-14
Trichloroethene	ND	270	"		ND				30	TO-14
Trichlorofluoromethane	ND	290	"		ND				30	TO-14
1,3,5-Trimethylbenzene	ND	250	"		ND				30	TO-14
1,2,4-Trimethylbenzene	ND	250	"		ND				30	TO-14
Vinyl acetate	ND	180	"		ND				30	TO-14
Vinyl chloride	ND	130	"		ND				30	TO-14
1,4-Dioxane	ND	180	"		ND				30	TO-14
2-Butanone (MEK)	ND	150	"		ND				30	TO-14
Methyl isobutyl ketone	ND	210	"		ND				30	TO-14
Benzene	ND	160	"		ND				30	TO-14
Toluene	ND	190	"		ND				30	TO-14
Ethylbenzene	ND	220	"		ND				30	TO-14
m,p-Xylene	ND	220	"		ND				30	TO-14

SunStar Laboratories, Inc.

Joann Marroquin

Joann Marroquin, Client Services Manager

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949.297.5020 Phone
949.297.5027 Fax

Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	12/27/18 16:02

TO-15 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 8121946 - Canister Analysis										
Duplicate (8121946-DUP1)		**Source: T183743-01**		Prepared & Analyzed: 12/19/18						
o-Xylene	ND	220	ug/m³ Air		ND				30	TO-14

SunStar Laboratories, Inc.



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PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

Northgate Environmental Management -- Laguna Hills	Project: Holland Sunset	
24411 Ridge Route Drive, Suite 130	Project Number: 2047.17.01	**Reported:**
Laguna Hills CA, 92653	Project Manager: Derrick Willis	12/27/18 16:02

Notes and Definitions

TO-14	TO-15 analysis of sample was not performed due to high concentration of analyte(s). Sample was analyzed utilizing method TO-14 and reporting limit has been adjusted accordingly.
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

SunStar Laboratories, Inc.

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Joann Marroquin

Joann Marroquin, Client Services Manager

AIR LABORATORY

Chain of Custody Record

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE
25712 Commercentre Drive, Lake Forest, CA 92630
949-297-5020

Client: Northgate Environmental Mgt
Address: 2441 Ridge Rock Dr #130
Phone: 949.375.7064 Fax:
Project Manager: Derrick Willis

Date: 12/18/18 Page: 1 Of
Project Name: Holland Sunset
Collector: D Willis Client Project #: 2047.17.01
Batch #: T183754 EDF #:

Sample ID	Date Sampled	Start Time	Finish Time	Sample Type : Soil Gas / Indoor Air	Container Type: Summa Can / Tedlar	Initial Pressure	Final Pressure	TO-3	TO-14	TO-15	8015m Methane	8015m Gasoline	Fixed Gases by TCD		Summa Can # / Comments	Laboratory ID #
B1	12/18/18	05:30	05:44	SG	SUMMA	-30"	-3"			X					SSAT-0358	01
B2		06:50	06:59			-30"	-3"			X					SSAT-0860	02
B3		07:27	07:35			-29"	-3"			X					SSAT-0644	03
B7		08:04	08:13			-30"	-2.5"			X					SSAT-0373	04
B8		08:44	08:56			-30	-3"								SSAT-0712	05

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
	12/18/18 11:30		12-18-18 11:30
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold

Turn around time: STD

Notes

* TO-15 SIM analysis available upon prior notification. **(Precertified Summa cans needed)**

COCAL 165932

SunStar Laboratories Inc.
25712 Commercentre Dr.
Lake Forest, CA 92630

(949)297-5020
(949)297-5027 fax
(530)304-5525 Bill Hannell

Form F-LP0005-1.2

Effective Date: 01/01/2017

* PLEASE DO ***NOT*** WRITE ON OR PLACE LABELS ON SUMMA CANS

SunStar Laboratories — Celebrating 20 Years!

Canister Data Sheet

Client: NORTHGATE_DERRICK_12-14-18_7+5_ HOLLAND - SUNSET

Shipping Information				Sampling Information					
Canister Serial #		CHECK Date	Pressure (-30 +/- 2 psia)	Sample ID	Sample Date	Initial Pressure	Final Pressure	Sample Start Time	Sample Finish Time
SSAT:	0860	12/14/2018	-30	B2	12/18/18	-30"	-3"	06:50	06:59
~~SSAT:~~	~~0753~~	~~12/14/2018~~	~~-30~~	~~B7~~	~~12/18/18~~	~~-30"~~	~~-2.5"~~	~~08:04~~	~~08:13~~
SSAT:	0712	12/14/2018	-30	B8	12/18/18	-30	-3"	08:44	08:56
SSAT:	0373	12/14/2018	-30	B7	12/18/18	-30"	-2.5"	08:04	08:13
SSAT:	0358	12/14/2018	-30	B1	12/18/18	-30"	-3"	05:30	05:44
SSAT:	0644	12/14/2018	-30	B3	12/18/18	-29"	-3"	07:27	07:36
SSAT:	2060	12/14/2018		MANIFOLDS (150)					
SSAT:	2048	12/14/2018		MANIFOLDS (150)					
SSAT:	2037	12/14/2018		MANIFOLDS (150)					
SSAT:	2032	12/14/2018		MANIFOLDS (150)					
SSAT:	2059	12/14/2018		MANIFOLDS (150)					
SSAT:	6000	12/14/2018	-30	6L PURGE CAN					

DSW

SunStar Laboratories — Celebrating 20 Years!

SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: T183754

Client Name: NORTHGATE ENV. Project: HOLLAND SUNSET

Delivered by: ☒ Client ☐ SunStar Courier ☐ GSO ☐ FedEx ☐ Other

If Courier, Received by: _____ Date/Time Courier Received: _____

Lab Received by: SUNNY Date/Time Lab Received: 12.18.18 / 11:30

Total number of coolers received: 0

Temperature: Cooler #1	–	°C +/- the CF (1.2°C) =	– °C corrected temperature
Temperature: Cooler #2		°C +/- the CF (1.2°C) =	°C corrected temperature
Temperature: Cooler #3		°C +/- the CF (1.2°C) =	°C corrected temperature
Temperature criteria = ≤ 6°C (no frozen containers)		Within criteria?	☐ Yes ☐ No
If NO:			
Samples received on ice?	☐ Yes		☐ No → **Complete Non-Conformance Sheet**
If on ice, samples received same day collected?	☐ Yes → Acceptable		☐ No → **Complete Non-Conformance Sheet**

Custody seals intact on cooler/sample	☐ Yes	☐ No*	☒ N/A
Sample containers intact	☒ Yes	☐ No*	
Sample labels match Chain of Custody IDs	☒ Yes	☐ No*	
Total number of containers received match COC	☒ Yes	☐ No*	
Proper containers received for analyses requested on COC	☒ Yes	☐ No*	
Proper preservative indicated on COC/containers for analyses requested	☐ Yes	☐ No*	☒ N/A
Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times	☒ **Yes**	☐ **No***	

* Complete Non-Conformance Receiving Sheet if checked

Cooler/Sample Review - Initials and date: BL 12.18.18

Comments:

SunStar Laboratories — Celebrating 20 Years!

Project Name: HOLLAND - SUNSET					Rebecca
Company: NORTHGATE					BC
Name: DERRICK WILLIS					
Item		Quantity		Unit	
2 oz Jars 24/CS					
4 oz Jars 24/CS					
8 oz Jars 12/CS					
40 ml unpreserved VOAs 100/box					
40 ml HCL-preserved VOAs 72/box					
250 ml Poly 120/CS					
1 Liter Poly 36/CS					
500 ml Poly 60/CS					
500 ml Amber Bottle Wide 12/CS					
1 Liter Amber Bottle 12/CS					
1 Gallon Poly 4/box					
5035 kits:(2)Sodium Bisulfate VOAs 72/box		120		EA	
	(1) Methanol VOA 72/box	60		EA	
	(1)Syringe 50/pack	60		EA	
Lock-N-Load Handle 1/ea		1		EA	
Tedlar Bags 10/pack					
Sub Slab Insert w/ washer & N/F					
Soil Gas SS 16" Drop Tubes					
Gas Extraction Fittings					
Soil Gas Filters					
	Volume of Summa	# Sent	Used	Unused	Unreturned
Batch Certified Summa Canisters	400cc				
	1L	6	CHARGE - 5		
	3L				
	6L				
Purge cans		6	CHARGE - 1		
Nitrogen cans					
Ind. Cerified Summa Cannisters	1L				
	3L				
	6L				
63/153 Manifolds, Var. Sampler, etc. Calibrated Correctly - Gauge Reads at 0					
Manifolds: Inst. Sampler, Variable Sampler		5-MANIFOLDS (150)			CHARGE - 5
Swagelok Fittings: Nuts/Ferrules, Ts		18-NUTS/FERRULES			CHARGE - 18
Cooler (Sm, Med, Lrg) Number & Quantity		2-LRG			
Other: Poly Tube, Valves,Silicon Tape, etc.		COCs, LABELS, 20FT TEFLON TUBING			CHARGE - 20FT
Prepared By: BRIAN		Date: 12/14/18			
Reviewed By:		Date:			
Comments:					

Asset Check-In Receipt

SunStar Laboratories Inc.

Check-In Date: 12/18/2018

User Name: Lounethone, Sunny

Asset Tag	Asset Type	Serial No	Location	Customer No.	Customer Name
0358	1000cc: 1000cc Summa	0358	Sunstar Labs, Lake Forest Air Lab	Northgate-Derrick	Derrick W.
0373	1000cc: 1000cc Summa	0373	Sunstar Labs, Lake Forest Air Lab	Northgate-Derrick	Derrick W.
0753	1000cc: 1000cc Summa	0753	Sunstar Labs, SunStar Labs - South	Northgate-Derrick	Derrick W.
0860	1000cc: 1000cc Summa	0860	Sunstar Labs, SunStar Labs - South	Northgate-Derrick	Derrick W.
2032	Vapor Manifold: Vapor Manifold	2032	Sunstar Labs, Lake Forest Air Lab	Northgate-Derrick	Derrick W.
2037	Vapor Manifold: Vapor Manifold	2037	Sunstar Labs, Lake Forest Air Lab	Northgate-Derrick	Derrick W.
2048	Vapor Manifold: Vapor Manifold	2048	Sunstar Labs, Lake Forest Air Lab	Northgate-Derrick	Derrick W.
2059	Vapor Manifold: Vapor Manifold	2059	Sunstar Labs, Lake Forest Air Lab	Northgate-Derrick	Derrick W.
2060	Vapor Manifold: Vapor Manifold	2060	Sunstar Labs, Lake Forest Air Lab	Northgate-Derrick	Derrick W.
6000	6 L: 6 L Summa	6000	Sunstar Labs, Lake Forest Air Lab	Northgate-Derrick	Derrick W.
644	1000cc: 1000cc Summa		Sunstar Labs, Tustin Air Lab	Northgate-Derrick	Derrick W.
712	1000cc: 1000cc Summa		Sunstar Labs, Tustin Air Lab	Northgate-Derrick	Derrick W.

SunStar Laboratories, Inc.
PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE

WORK ORDER

T183754

Client:	**Northgate Environmental Management -- Laguna**	**Project Manager:**	**Joann Marroquin**
Project:	**Holland Sunset**	**Project Number:**	**2047.17.01**

Report To:
Northgate Environmental Management -- Laguna Hills
Derrick Willis
24411 Ridge Route Drive, Suite 130
Laguna Hills, CA 92653

Date Due:	12/27/18 17:00 (5 day TAT)		
Received By:	Sunny Lounethone	Date Received:	12/18/18 11:30
Logged In By:	Sunny Lounethone	Date Logged In:	12/18/18 14:30

Samples Received at:

Custody Seals	No	Received On Ice	No
Containers Intact	Yes		
COC/Labels Agree	Yes		
Preservation Confirm	No		

Analysis	Due	TAT	Expires	Comments
T183754-01 B1 [Air] Sampled 12/18/18 05:30 (GMT-08:00) Pacific Time (US &				
TO-15	12/27/18 15:00	5	01/17/19 05:30	
T183754-02 B2 [Air] Sampled 12/18/18 06:50 (GMT-08:00) Pacific Time (US &				
TO-15	12/27/18 15:00	5	01/17/19 06:50	
T183754-03 B3 [Air] Sampled 12/18/18 07:27 (GMT-08:00) Pacific Time (US &				
TO-15	12/27/18 15:00	5	01/17/19 07:27	
T183754-04 B7 [Air] Sampled 12/18/18 08:04 (GMT-08:00) Pacific Time (US &				
TO-15	12/27/18 15:00	5	01/17/19 08:04	
T183754-05 B8 [Air] Sampled 12/18/18 08:44 (GMT-08:00) Pacific Time (US &				
[NO ANALYSES]				

Reviewed By

Date