Appendix I

Hazardous Materials Technical Reports

Appendix I-1

Supplemental Site Assessment

CAMPBELL · GEO, INC.
ENGINEERING AND ENVIRONMENTAL GEOSCIENCE

Supplemental Site Assessment

Sandpiper Golf Course
SMU Site #375
7925 Hollister Avenue
Goleta, California

January 8, 2025

Submitted to

Santa Barbara County Environmental Health Services
2125 South Centerpointe Parkway, Suite 333
Santa Maria, CA 93455

Attention: Mr. Tom Rejzek, PG, CEG

Prepared by:

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C A M P B E L L · G E O, I N C
ENGINEERING AND ENVIRONMENTAL GEOSCIENCE

January 8, 2025

Santa Barbara County Environmental Health Services
2125 South Centerpointe Parkway, Suite 333
Santa Maria, CA 93455

Attn: Mr. Tom Rejzek
PG, CEG

Subject: Supplemental Site Assessment
Sandpiper Golf Course – SMU Site #375
7925 Hollister Avenue (APN 079-210-059)
Goleta, California

Dear Tom:

INTRODUCTION

Campbell·Geo, Inc. (CGI) presents this report describing a supplemental environmental site assessment at the Sandpiper Golf Course property, located at 7925 Hollister Avenue in Goleta, California. Please see Plate 1 – Project Location Map. The property owner, Sandpiper Golf Trust, LLC, has submitted a development application to the City of Goleta for remodeling and upgrades to the golf course and clubhouse, which are located on a 192.93-acre parcel near the Ellwood Mesa. A work plan for this investigation prepared by CGI, dated March 12, 2024, was approved with conditions by Santa Barbara County Environmental Health Services (EHS) in a letter dated June 20, 2024.

The purpose of this supplemental site assessment is to evaluate the presence of impacted soil and groundwater in the areas where soil cuts are planned for the development project. Volatile organic compounds (VOCs) in soil vapor were investigated at the proposed footprint of the clubhouse to be reconstructed. The data collected by this investigation indicates that:

- None of the 23 soil samples collected and analyzed for metals, VOCs, and petroleum constituents were found to contain constituents exceeding State of California Environmental Screening Levels (ESLs) for commercial land use, for construction worker exposure or for terrestrial habitat, with minor exceptions.

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- No groundwater was found in the boreholes above a depth of 20 feet at the proposed clubhouse or above a depth of 10 feet at the proposed soil cuts on the golf course.
- Soil vapor was found exceeding the ESL for commercial land use in one location for one constituent.

A Soil and Groundwater Management Plan (SGMP), prepared by Campbell Geo, Inc. (CGI), dated May 31, 2022 and a Revised SGMP, dated July 25, 2023, were submitted to Santa Barbara County Environmental Health Services (EHS). The data collected during the 2024 supplemental site assessment does not indicate the need to revise the SGMP.

PROPOSED DEVELOPMENT

The proposed development includes:

- Demolition of the existing 9,305 square footage clubhouse and the construction of a new 37,179-square foot clubhouse, with an excavation for a basement area to be used for golf cart storage.
- Redesign of the existing golf course and update of the existing on-site landscaping. Areas of proposed soil cuts and the depth of each are shown on the attached Plate 2. The proposed golf course improvements include re-routing and some re-contouring at most of the 18 holes of the golf course. With respect to the potential for contacting subsurface contamination, much of the proposed recontouring will be to add fill, with minimal or no soil cuts in most areas.
- Adaptive reuse and restoration of the Barnsdall Rio Grande Gas Station utilized for seating and bike stop amenities for the Rio Grande Coffee Shop, including an additional 695 square foot coffee shop building to be situated to the east of the existing Barnsdall Rio Grande Gas Station.

SUMMARY OF SITE HISTORY

Prior to construction of the Sandpiper Golf Course in 1972, the site was occupied by various features associated with a portion of the Ellwood Oil Field that existed along the Ellwood Coast from the late 1920s to the 1990s. The Ellwood Oil Field, which was discovered by Barnsdall Oil Company in 1928, is approximately four (4) miles long and 0.5 miles wide, and trends east-west and includes the tidal and offshore areas just south of the Sandpiper Golf Course. The Ellwood Oil Field included numerous wells drilled onshore, in the tidal zone and on offshore piers from the 1920s through the 1950s, along with substantial supporting infrastructure.

Peak production from the entire Ellwood Oil Field reached nearly 49,000 barrels of oil per day (BOPD) in 1930. Remnants of this infrastructure still exist today, including abandoned and capped wells, a rock revetment, and the old timber seawall, the latter two of which line portions of the Ellwood Coast. By 1993, Well 421-2, located in the tidal zone adjacent to the golf course, was the only producing well in the Ellwood Oil Field. In 2019, the wells at the 421 piers were successfully plugged to the surface. (Ellwood Oil Field history above was excerpted from the State Lands Commission Final Environmental Impact Report dated March 2022).

A review of historic aerial photographs indicates the previous existence of storage tanks, pipelines and other features associated with the Ellwood Oil Field. The plugging removal and abandonment of the oil field near Sandpiper Golf Course of the past several decades concluded with the February 2023 removal of two piers (Piers 421-1 and 421-2) in the adjacent tidal zone where oil wells were previously abandoned. A pipeline corridor from the piers and from offshore Platform Holly runs through and under the southwest edge of the golf course, leading to the Ellwood Onshore Facility (EOF). That facility was recently operated by the Beacon West Energy Group on behalf of the State Lands Commission, until operations terminated in June 2023. The pipelines are shown on Figure 2-17 of the State Lands Commission EIR (March 2022).

The Barnsdall-Rio Grande Gas Station was constructed in 1929 at 7825 Hollister Avenue, adjacent to the northwest corner of the present-day golf course. (The site address is also listed as 7801 Hollister in some documents). The station operated until the early 1950's. The

underground gasoline storage tanks were removed under permit with SBCEHS in 1989. Site cleanup included removal of 250 cubic yards of soil. Regulatory site closure of the former gas station site was approved in 1997.

ENVIRONMENTAL SITE ASSESSMENT SUMMARY

Three reports were prepared on behalf of Sandpiper by Clayton Group Services. In 2002, a Phase I Environmental Site Assessment report and a follow-on "Soil Sampling Investigation Report" (dated November 14, 2002) were completed. A "Phase II Environmental Investigation" dated June 23, 2005 was completed and is posted at the State of California database known as "GeoTracker". The 2005 Clayton report can be accessed at this GeoTracker link:

https://documents.geotracker.waterboards.ca.gov/regulators/deliverable_documents/6933408439/20050808_Phase%20II%20Env.%20Investigation.pdf

The 2005 Phase II Clayton Group environmental site assessment report describes thirteen (13) abandoned oil wells on property. All are shown to be near the southern portion of the project, with the exception of one well near the eastern boundary. Please see the data summary tables from the 2002 and 2005 Clayton reports and Figure 2 from the 2005 Clayton report at the link provided above.

The January 13, 2023 letter from the City of Goleta, responding to Sandpiper's development application, included a requirement for documentation of a site assessment of contamination "in accordance with Section 17.39.060 of the Goleta Municipal Code since the property was once used for oil processing." The Clayton Group reports satisfy the City of Goleta requirement for an Environmental Site Assessment. Specifically, as described in the 2002 and 2005 Clayton reports, a total of 175 borings were drilled and sampled at the golf course area. Please see the Soil Boring Location Map, Figure 3, from the 2005 Clayton report and the sample lcations shown on Plate 2 of this Supplemental Site Assessment report. A total of 355 soil samples and four groundwater samples were analyzed for petroleum and related chemicals. Four soil gas samples were analyzed for methane. Contaminants of Concern (COCs) detected in soil

and groundwater primarily included Total Petroleum Hydrocarbons (TPH). Out of the 355 soil samples analyzed, twenty (20) samples were found with TPH exceeding ESLs for commercial/industrial land use or construction worker exposure. Only two borings with samples exceeding those ESLs are located in planned soil grading area, where soil fill is proposed only (see the red highlighted 2002 and 2005 boring symbols on Plate 2 of this report).

In some soil samples, volatile organic compounds (VOCs), poly-aromatic hydrocarbons (PAHs) and metals were also detected. Polychlorinated biphenyls (PCBs) were undetectable. Other criteria (reactivity, corrosivity, ignitability, and fish bioassay) indicated none of the soil exhibited characteristics of hazardous waste, as defined by state criteria.

In groundwater, a few VOCs and PAHs were detected in two of the four groundwater samples analyzed. TPH-g, and TPH-d exceeded Tier 1 ESLs in the four groundwater samples.

To review chemical concentrations in soil, soil gas and groundwater, the County of Santa Barbara Environmental Health Services (EHS-SMU) typically recognizes the published State Water Resources Control Board Environmental Screening Levels (ESLs). The ESLs include a list of numerical concentrations under a "Tier 1" criteria, which is the lowest and most stringent and is typically used by the county to determine if a site has been adequately assessed. The other criteria that the county would potentially use to determine the need for offsite disposal or possible re-use of excavated soil are the ESLs for "Commercial/Industrial Land Use," "Construction Worker Exposure" and for "Terrestrial Habitat Levels."

Of the 355 soil samples analyzed by Clayton, there were 42 samples (12 percent of the total) with petroleum constituents that exceeded the Tier 1 ESLs and the Terrestrial Habitat ESLs. There were 20 soil samples that exceeded the Commercial/Industrial and Construction Worker ESLs. The four groundwater samples exceeded the Tier 1 ESLs and the Aquatic Habitat ESLs. Some of the highest concentrations of soil and groundwater contamination were in samples located at and near the green to Sandpiper Golf Course Hole #11, where the Venoco pipelines and easement cross the southwest corner of the property. It could be that the contamination there is related to releases from the pipeline(s) that run between offshore platform Holly, the historic 421 piers, and the Ellwood onshore facility, rather than contamination related

to the onshore area of the historic Ellwood Oil Field.

At the northwest corner of the site, adjacent to Hollister Avenue, the former Barnsdall-Rio Grande gasoline service station was investigated and then granted site closure by the County of Santa Barbara Leaking Underground Fuel Tank (LUFT) program in 1997. The site closure summary notes state that residual contaminated soil is "vertically confined to 10-15 ft. zone" beneath the site. The Santa Barbara County LUFT program file, completed and closed, can be accessed at this GeoTracker link:

https://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608300111

Restoration of the Barnsdall structure and a new 695 square foot café structure is proposed. A geotechnical site investigation for the proposed development in the Barnsdall area was conducted by Pacific Materials Laboratory (PML) in 2022. Borings advanced to a depth of 34.5 feet did not encounter groundwater. The geotechnical recommendations made by PML include an estimated depth of approximately 24 inches for soil removal and recompaction, and a similar depth for building foundations. Therefore, the "10-15 ft. zone" of identified residual soil impacts should not be encountered. However, the protocols in the July 2023 SGMP should be followed to monitor and manage soil, if necessary, when site grading occurs at the Barnsdall area.

Other soil boring data was reported as part of archaeologic and other geotechnical surveys completed in 2022 at Sandpiper. The reports include an "Archaeologic Resources Assessment Report" (Dudek Consultants, November 2022). Two other geotechnical investigations of the proposed club house and proposed comfort station were prepared by PML (October and November 2022). They were not conducted to evaluate subsurface soil or groundwater contamination. The test pit and boring logs from these more recent reports do not indicate obvious signs of contamination. The depth to groundwater at the proposed clubhouse was reported to be in excess of 50 feet. At the proposed comfort station, groundwater was not encountered above the maximum boring depth of 10 feet. The grading and foundation elements are also not anticipated to extend deeper than 36 inches at the comfort station.

SOIL GRADING PLANS

The proposed grading during the golf course renovation has been designed to minimize the amount of soil cut and to re-use all soil onsite, with no export. The October 2024 draft project description (Rincon Consultants and City of Goleta) indicates 86,500 cubic yards of soil cut, with no export, as all soil would be used for recontouring the golf course. A July 6, 2023 "Cut/Fill Earthwork Map" prepared by Stantec is attached to Appendix C of this report and forms the base map for Plate 2. Comparing the approximate location of the borings with soil exceeding ESLs and the boring logs noted for reported depths of impacted soil, as shown in the 2005 Clayton Group report (Tables 1, 2, 3 and 4 and boring logs), much of the soil with detectable petroleum constituents is deep, below the depth of the proposed soil cuts. Red highlighted soil boring symbols on Plate 2 of this current supplemental site assessment report indicate where TPH in soil exceeds 2009 SFRWQCB ESLs (commercial/industrial or construction worker exposure).

Some planned excavation areas, including the proposed golf cart basement under the new clubhouse, did not have soil boring data prior to this supplemental site assessment. Trenching for utilities or other excavations not shown on the 2023 cut/fill plan could also encounter impacted soil. However, based on the modest number of previous soil samples (20 out of a total of 355 samples from 2002 and 2005) with Total Petroleum Hydrocarbons exceeding Commercial/Industrial and Construction Worker Environmental Screening Levels (ESLs), and their approximate location outside of proposed soil cuts, it appears that the need for removal of impacted soil that might be encountered during grading could be a small percentage of the soil cut. The data collected in 2024, described in the following sections of this report, also do not indicate any significant soil impacts in the cut areas sampled.

GEOLOGIC AND HYDROGEOLOGIC SETTING

The south coast of Santa Barbara County is located on the southern flank of the Santa Ynez Mountains, which make up a portion of the Transverse Range Province of California. The

regional geologic structure consists of generally south dipping sedimentary rocks uplifted from the north by tectonic movement along the various faults, other east to west trending structures, and by ongoing regional tectonic compression of the Santa Barbara Channel area. The nearby More Ranch Fault is considered to be active. The uplifted Tertiary age rocks underlying the Ellwood Mesa area are moderately to highly deformed by folding and faulting in the sea cliff exposures near the subject property. Unconsolidated marine terrace deposits overlie the tertiary rocks.

Much of the site does not overlie a recognized groundwater basin and is hydrologically distinct from the Goleta Groundwater Basin, which is located north of the More Ranch Fault. The western boundary of the Goleta Groundwater Basin's West Sub-Basin is located on the golf course, per the map in the Santa Barbara County Water Agency's 2023 Groundwater Basins Summary Report.

No production water wells are indicated to exist on or near the subject property, based on the above-noted Water Agency report and based on the 1974 USGS well location map.

The soil borings drilled as deep as 50 feet by the previous geotechnical investigations (PML, 2022) were reported to have encountered no groundwater. Borings drilled during the 2024 investigation by CGI as deep as 20 feet (near the clubhouse) also did not encounter groundwater.

We noted some spring sapping in 2024 where groundwater has daylighted in the face of the coastal bluff and an area of groundwater (spring) discharge in the ravine between the fairway and the green at Hole 13, all likely due to the application of irrigation water at the golf course.

SITE INVESTIGATION

The supplemental site assessment work was conducted in accordance with the Site Safety Plan, appended to the March 2024 CGI work plan. Soil boring permit applications were submitted to and approved by EHS. The permits are included in Appendix A. After marking the site for Underground Service Alert, CGI conducted the following tasks:

1) Accessed eight (8) locations on the site, as shown on Plate 2, to collect soil samples by hydraulic push methods. Three (3) of those locations have been utilized to delineate soil vapor near the proposed clubhouse building area.

2) The boring depths at the clubhouse were 20 feet. The boring depths at the proposed cuts on the golf course were 10 feet. Soil matrix samples were collected from the continuously cored borings in acetate sleeves. The samples were screened utilizing a photo ionization detector (PID), odor and visible staining. A boring log has been prepared for each of the locations and the logs are included in Appendix A.

3) Soil samples were capped, then placed in an onsite cooler, then transferred under a chain of custody protocol to a state certified laboratory. A total of twenty-three (23) soil samples were submitted for laboratory analyses of Total Petroleum Hydrocarbons (TPH in the gasoline, diesel and oil ranges) Volatile Organic Compounds (VOCs) and CAM 17 metals. Four (4) soil samples were analyzed for polycyclic aromatic hydrocarbons (PAHs). One additional soil sample was analyzed for arsenic (only), to define the vertical extent at one boring (CB-6). Waste from the supplemental site assessment (soil cuttings from the borings) was transferred to a DOT approved drum for disposal. The disposal manifest is included in Appendix B. The licensed surveyor (Stantec) was coordinated to accurately locate all new sample locations. The surveyor's sheet is included in Appendix C.

4) Temporary soil vapor probes were constructed at three (3) locations in the proposed clubhouse building footprint. The probes included gas inlets set at depths of 5 and 15 feet with $1/16^{th}$ inch diameter (ID) nyla-flo tubing. The probes were set in one-foot-thick coarse sand sections placed in the boreholes, nested between zones sealed with hydrated bentonite. More than 24 hours after probe construction, per DTSC protocols, samples were collected from the temporarily

installed nylon tubing into laboratory supplied stainless steel containers and analyzed at an offsite state-certified laboratory. The analyses include volatile organic compounds (VOCs) conducted by the EPA 8260 method. To verify that the soil gas samples were representative, leak testing protocols were employed prior to sample collection. One of the sample probes (CB-2@5') was found to exhibit "no flow" conditions, possibly due to very wet soils that we observed on the adjacent irrigated lawn area. No sample was collected from that probe at that depth. The temporary soil vapor tubing installations were removed after sample collection.

No groundwater was encountered during the October 2024 field investigation, and therefore, no groundwater samples were collected.

ANALYTICAL LABORATORY RESULTS

Soil Assessment

With one exception, concentrations of Total Petroleum Hydrocarbons (TPH) as gasoline, diesel and oil (TPH-g, TPH-d, and TPH-o) and VOCs were undetectable in the twenty three (23) soil samples analyzed. The exception was a 50 mg/kg concentration of TPH-o at CB-6@3'. That concentration is far below the Tier 1 Environmental Screening Level (ESL) currently published by the State of California (SFRWQCB, 2019). TPH, VOCs and most metals did not exceed the more stringent Tier 1 ESL. Arsenic did not exceed the recognized regional background concentration of 12 mg/kg in any sample except CB-6@3', where it was found at 18 mg/kg. The overlying sample, CB-6@1' was analyzed and found to contain 6.5 mg/kg arsenic, below the background concentration. Nickel exceeded the construction worker ESL in soil sample CB-6@5'. None of the other detected chemicals exceed the ESLs for direct exposure for commercial land use in soil or for exposure to construction workers. None of the other detected chemicals exceed the ESLs for terrestrial habitat except for vanadium, a metal that, like other inorganics, is found as a natural mineral constituent of soil. The ESL for vanadium in significantly vegetated terrestrial

habitats, such as parkland or a golf course, is 18 mg/kg. The concentrations found in the October 2024 soil samples collected at Sandpiper ranged from 10 to 38 mg/kg. However, the mean background value of vanadium in California soils is 112 mg/kg, as determined by the University of California (Bradford, et al, 1996).

The soil sample analyses are summarized on Table I and Plate 2 of this report. The complete lab reports are included in Appendix B.

Soil Vapor Survey

The soil vapor survey conducted in November 2024 demonstrates VOC impacts from tetrachloroethene (PCE), and chloroform. However, only chloroform was found to exceed the soil vapor ESL and only in one soil vapor sample, CB-3, at a depth of 15 feet. The chloroform ESL for commercial land use land use (SFRWQCB, 2019) is 18 ug/m^3 for sub slab soil vapor concentrations. The soil vapor concentration of chloroform was 53 ug/m^3 in CB-3 at 15 feet and 33 ug/m^3 in a duplicate sample from that same location and depth. The sub slab concentrations (in soil vapor), where in exceedance of the ESL, indicate the potential for vapor intrusion to the overlying structure under an assumed attenuation factor from the soil vapor to indoor air. The soil vapor data is shown on Table III and Plate 3 of this report. The complete lab report is included in Appendix B.

CONCLUSIONS/ RECOMMENDATIONS

1) Groundwater was not encountered in the 2024 borings or in the deeper 2022 geotechnical investigation borings. Groundwater is not anticipated to be encountered during site grading. However, if it is found and construction dewatering is necessary, there is a protocol established for handling, testing and disposal in the 2023 SGMP.

2) The soil samples collected in the 2024 borings from selected planned soil cut areas were analyzed for hydrocarbons, VOCs, PAHs and metals. None of the 23 samples were found to contain those constituents in exceedance of commercial/industrial land use.

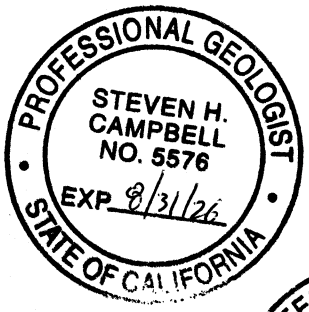
Except for one sample with nickel, the 2024 boring samples did not contain constituents in exceedance of construction worker ESLs. Arsenic did not exceed the recognized regional background concentration in any sample except CB-6@3', where it was found at 18 mg/kg. One trace metal, vanadium, was found in soil exceeding the ESL for locations with significantly vegetated terrestrial habitats. However, vanadium in the 2024 samples did not exceed the background mean value in soils statewide, determined by the University of California study (1996). The historic data (2002 and 2005) and the 2024 data indicate that most of the soil that is planned for use to recontour the golf course should be suitable for re-use onsite.

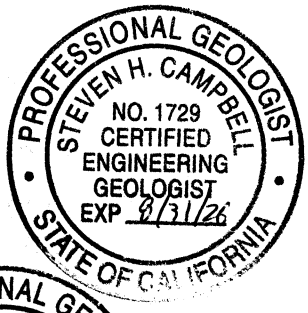
3) The soil data collected during the 2024 supplemental site assessment does not indicate the need to revise the SGMP. Site grading may encounter stained and odoriferous soil. The SGMP contains a protocol to set that material aside and test samples collected from those stockpiles to determine if ESLs are exceeded for commercial/industrial site use, construction worker safety or terrestrial habitat protection. Soil that exceeds those thresholds (except for background values for arsenic and vanadium) should be removed for offsite disposal. If soil is disposed offsite, the laboratory data in this report should be provided to the landfill disposal site for pre-approval.

4) The soil vapor data indicates that there is some potential for soil vapor intrusion to the proposed structures under current conditions. However, only one VOC (chloroform) was found exceeding the ESL in soil vapor and only in one location. Retesting soil vapor is recommended to verify the presence or absence of the soil vapor intrusion hazard at the clubhouse in roughly the same locations and at the same depths as were sampled in November 2024. Temporary soil vapor wells would be constructed but not abandoned until the lab analyses are complete and the need for additional testing, if any, is confirmed.

5) If the data indicates it is necessary, a soil vapor intrusion mitigation system plan can be prepared and then implemented by a qualified engineer during construction of the new clubhouse.

We trust that this report and the recommendations are acceptable to EHS. Please provide written concurrence or contact us if you have any questions.







Sincerely,
Campbell·Geo, Inc

Steven H. Campbell
Professional Geologist
State of California, #5576
Certified Engineering Geologist
State of California, #1729
Certified Hydrogeologist
State of California, #82

cc: Brownstein Hyatt Farber Schreck, LLP
Attention: Ms. Beth Collins

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Attachments: Tables(3)
Plates (3)
Appendices

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TABLE I
SUMMARY OF TPH, VOC and PAH DATA IN SOIL
October 2024 Supplemental Site Assessment
Sandpiper Golf Course, Goleta, California
(Data listed in mg/kg)

		TPH (C5-C12)	TPH (C13-C22)	TPH (C23-C40)	VOCs	PAHs
Environmental Screening Level - Direct Exposure, Shallow Soil Commercial/Industrial		2,000	1,200	180,000	varies	varies
Environmental Screening Level- Direct Exposure, Construction Worker		1,800	1,100	54,000	varies	varies
Environmental Screening Level - Terrestrial Habitat, Significantly Vegetated Areas		120	260	1,600	varies	varies
Sample ID	Sample Date					
CB-1@3'	10/2/2024	<0.5	<10	<50	<0.005	NA
CB-1@10'	10/2/2024	<0.5	<10	<50	<0.005	NA
CB-1@15'	10/2/2024	<0.5	<10	<50	<0.005	NA
CB-2@3'	10/2/2024	<0.5	<10	<50	<0.005	NA
CB-2@5'	10/2/2024	<0.5	<10	<50	<0.005	<0.005
CB-2@10'	10/2/2024	<0.5	<10	<50	<0.005	<0.005
CB-3@1'	10/2/2024	<0.5	<10	<50	<0.005	NA
CB-3@5'	10/2/2024	<0.5	<10	<50	<0.005	NA
CB-3@15'	10/2/2024	<0.5	<10	<50	<0.005	NA
CB-4@3'	10/2/2024	<0.5	<10	<50	<0.005	NA
CB-4@5'	10/2/2024	<0.5	<10	<50	<0.005	NA
CB-5@3'	10/2/2024	<0.5	<10	<50	<0.005	NA
CB-5@5'	10/2/2024	<0.5	<10	<50	<0.005	NA
CB-5@10'	10/2/2024	<0.5	<10	<50	<0.005	NA
CB-6@3'	10/2/2024	<0.5	<10	50	<0.005	NA
CB-6@5'	10/2/2024	<0.5	<10	<50	<0.005	NA
CB-6@10'	10/2/2024	<0.5	<10	<50	<0.005	NA
CB-7@3'	10/2/2024	<0.5	<10	<50	<0.005	NA
CB-7@5'	10/2/2024	<0.5	<10	<50	<0.005	NA
CB-7@10'	10/2/2024	<0.5	<10	<50	<0.005	<0.005
CB-8@3'	10/2/2024	<0.5	<10	<50	<0.005	NA
CB-8@5'	10/2/2024	<0.5	<10	<50	<0.005	NA
CB-8@10'	10/2/2024	<0.5	<10	<50	<0.005	<0.005

NA - Not Analyzed
TPH - Total Petroleum Hydrocarbons in the gasoline (C5-C12), diesel (C13-C22), and oil (C23-C40) ranges
VOCs - Volatile Organic Compounds
PAHs - Polyaromatic Hydrocarbons
Environmental Screening Levels from SFRWQCB, 2019, Table S-1 for commercial land use and construction worker exposure and Table S-2 for terrestrial habitats.

TABLE II
SUMMARY OF CAM 17 METALS IN SOIL
October 2024 Supplemental Site Assessment
Sandpiper Golf Course, Goleta, California

Data listed in mg/kg

		Antimony	Arsenic[1]	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Mercury
Environmental Screening Level - Direct Exposure, Shallow Soil Commercial/Industrial		160	0.31	220,000	200	1,100	NL	350	47,000	320	5,800	11,000	5,800	5,800	12	5,800	350,000	190
Environmental Screening Level - Direct Exposure, Construction Worker		50	2.0	3,000	180	51	NL	28	14,000	160	1,800	86	1,700	1,800	3.5	470	110,000	44
Environmental Screening Level - Terrestrial Habitat, Significantly Vegetated Areas		25	25	390	5	1.9	160	50	180	32	6.9	130	2.4	2.5	1.8	18	340	15
Sample ID	Date																	
CB-1@3'	10/2/2024	<2.5	2.8	34	<0.50	<0.25	15	2.9	8.1	7.0	0.89	11	<2.0	<0.50	<1.0	18	21	<0.093
CB-1@10'	10/2/2024	<2.4	3.6	110	<0.49	<0.24	24	4.8	15	4.7	0.52	32	<2.0	<0.49	<0.98	26	37	<0.096
CB-1@15'	10/2/2024	<2.4	2.6	61	<0.47	<0.24	20	3.7	11	2.9	<0.47	28	<1.9	<0.47	<0.95	22	30	<0.093
CB-2@3'	10/2/2024	<2.4	4.3	58	<0.49	<0.24	15	3.1	9.8	4.5	0.59	13	<1.9	<0.49	<0.97	22	21	<0.085
CB-2@5'	10/2/2024	<2.4	6.6	90	0.56	<0.24	20	7.2	27	11	1.5	26	<2.0	<0.49	<0.98	26	56	<0.089
CB-2@10'	10/2/2024	<2.3	5.7	44	<0.47	<0.23	24	5.3	12	3.7	0.77	20	<1.9	<0.47	<0.93	27	24	<0.083
CB-2@15'	10/2/2024	<2.4	<1.9	15	<049	<0.24	8.7	3.2	5.1	1.7	0.54	11	<1.9	<0.49	<0.97	10	11	<0.081
CB-3@1'	10/2/2024	<2.4	3.4	140	<0.48	<0.24	19	10	10	6.8	0.9	18	<1.9	<0.48	<0.95	27	23	<0.096
CB-3@5'	10/2/2024	<2.5	5.7	97	<0.50	<0.24	23	6.6	15	7.6	0.85	17	<2.0	<0.50	<1.0	26	34	<0.079
CB-3@15'	10/2/2024	<2.5	3.4	56	<0.50	<0.25	15	6.6	9.2	4.3	0.52	23	<2.0	<0.50	<1.0	19	23	<0.085
CB-4@3'	10/2/2024	<2.4	4.9	84	<0.48	<0.24	22	6.0	13	7.9	0.71	25	<1.9	<0.48	<0.97	29	31	<0.093
CB-4@5'	10/2/2024	<2.4	2.8	89	<0.48	<0.24	21	5.8	11	4.9	0.61	20	<1.9	<0.48	<0.95	25	25	<0.091
CB-5@3'	10/2/2024	<2.4	3.0	140	<0.48	<0.24	16	11	9.5	7.2	1.1	14	<1.9	<0.48	<0.96	25	18	<0.085
CB-5@5'	10/2/2024	<2.4	3.8	120	<0.48	<0.24	22	12	9.4	8.0	1.3	16	<1.9	<0.48	<0.96	30	21	<0.091
CB-5@10'	10/2/2024	<2.3	2.9	44	<0.46	<0.23	21	3.7	10	4.6	0.48	17	<1.9	<0.46	<0.93	21	25	<0.098
CB-6@1'	10/2/2024	NA	6.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CB-6@3'	10/2/2024	<2.4	18	220	<0.48	<0.24	27	12	18	31	2.0	15	<1.9	<0.48	<0.97	38	56	<0.098
CB-6@5'	10/2/2024	<2.3	5.7	79	0.51	<0.23	25	5.0	13	8.8	0.99	116	<1.9	<0.47	<0.94	34	30	<0.095
CB-6@10'	10/2/2024	<2.3	4.8	12	<0.47	<0.23	16	2.3	12	4.7	<0.47	11	<1.9	<0.47	<0.93	22	23	<0.098
CB-7@3'	10/2/2024	<2.4	4.9	190	0.76	<0.24	25	12	16	9.6	2.2	35	<1.9	<0.48	<0.96	34	33	<0.085
CB-7@5'	10/2/2024	<2.5	4.2	170	0.64	<0.25	24	8.3	15	8.0	1.2	32	<1.9	<0.50	<1.0	36	29	<0.086
CB-7@10'	10/2/2024	<2.3	<1.8	100	<0.46	<0.23	18	2.5	7.0	2.3	<0.46	21	<1.8	<0.46	<0.92	18	22	<0.093
CB-8@3'	10/2/2024	<2.3	4.2	110	<0.46	<0.23	22	13	9.4	8.4	1.5	14	<1.8	<0.46	<0.92	31	17	<0.084
CB-8@5'	10/2/2024	<2.3	7.4	160	0.46	<0.23	22	10	17	14	3.0	20	<1.8	<0.46	<0.92	37	34	0.39
CB-8@10'	10/2/2024	<2.4	7.2	160	<0.48	<0.24	22	6.9	15	14	2.1	23	<1.9	<0.48	<0.97	35	36	0.72

NL - Not Listed
Environmental Screening Levels from the SFRWQCB (2019), Table S-1 for commercial land use and construction worker exposure and Table S-2 for terrestrial habitats.
(1) - Results for arsenic are considered to be within the regional background concentration of 12 mg/kg, with the exception of CB-6@3'.

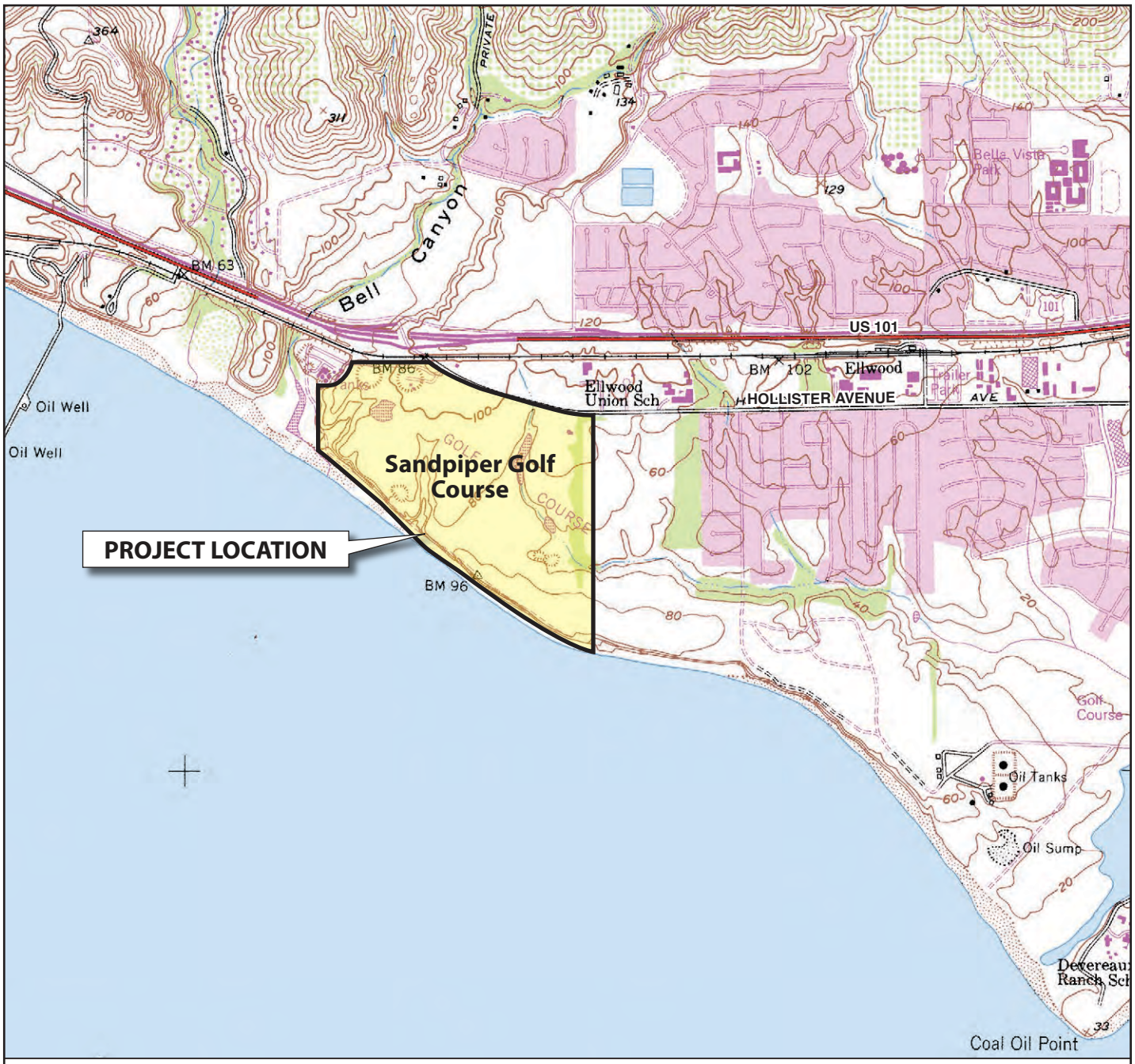
TABLE III
SUMMARY OF SOIL VAPOR ANALYSES
October 2024 Supplemental Site Assessment - Sandpiper Golf Course
Goleta, California

(All constituents listed in µg/m^3)

		COMPOUND						
SAMPLE	DATE	**TPH-g**	**Benzene**	**PCE**	**TCE**	**Freon 12**	**Vinyl Chloride**	**Chloroform**
CB-1-5	11/5/2024	<2,000	<8	12	<8	<16	<8	<8
CB-1-15	11/5/2024	<2,000	<8	32	<8	22	<8	<8
CB-2-5	11/5/2024	No Air Flow - No Sample Collected						
CB-2-15	11/5/2024	<2,000	<8	12	<8	57	<8	<8
CB-3-5	11/5/2024	<2,000	<8	12	<8	<16	<8	<8
CB-3-15	11/5/2024	<2,000	<8	16	<8	183	<8	53
CB-3-15-REP	11/5/2024	<2,000	<8	8	<8	129	<8	33
Commercial/Industrials ESLs (Table SG-1)		**83,000**	**14**	**67**	**100**	**NL**	**5.2**	**18**

Subslab/Soil Gas Vapor Intrusion Hazard : Environmental Screening Levels for Commercial/Industrial Land Use - SFRWQCB 2019 (Rev. 2)
Analyses conducted by the modified EPA 8260B method.

TPH-g = Total Petroleum Hydrocarbons as Gasoline
PCE = Tetrachloroethene
TCE = Trichloroethene
NL = Not Listed



A portion of the U.S.G.S. "Dos Pueblos" 7.5" quadrangle (1988)

PROJECT LOCATION MAP
SANDPIPER GOLF CLUB
7925 HOLLISTER AVENUE
Goleta, California

Date

By

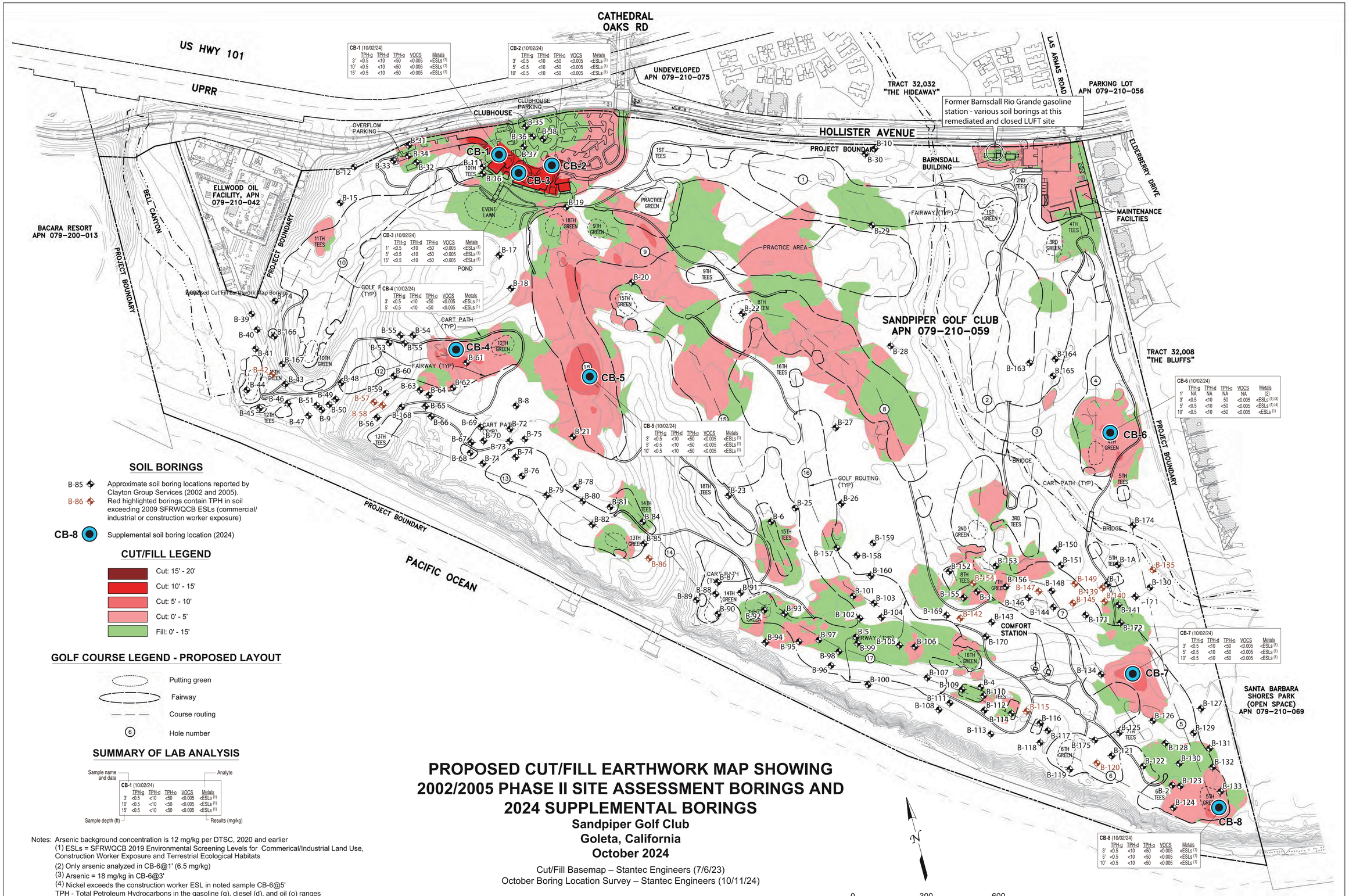
N

SCALE IN FEET

0 2000 4000

CAMPBELL•GEO, INC.
ENGINEERING AND ENVIRONMENTAL GEOSCIENCE

Plate 1



CB-1 (10/02/24)

	TPH-g	TPH-d	TPH-o	VOCS	Metals
3'	<0.5	<10	<50	<0.005	<ESLs [1]
10'	<0.5	<10	<50	<0.005	<ESLs [1]
15'	<0.5	<10	<50	<0.005	<ESLs [1]

CB-2 (10/02/24)

	TPH-g	TPH-d	TPH-o	VOCS	Metals
3'	<0.5	<10	<50	<0.005	<ESLs [1]
5'	<0.5	<10	<50	<0.005	<ESLs [1]
10'	<0.5	<10	<50	<0.005	<ESLs [1]

CB-3 (10/02/24)

	TPH-g	TPH-d	TPH-o	VOCS	Metals
1'	<0.5	<10	<50	<0.005	<ESLs [1]
5'	<0.5	<10	<50	<0.005	<ESLs [1]
15'	<0.5	<10	<50	<0.005	<ESLs [1]

CB-4 (10/02/24)

	TPH-g	TPH-d	TPH-o	VOCS	Metals
3'	<0.5	<10	<50	<0.005	<ESLs [1]
5'	<0.5	<10	<50	<0.005	<ESLs [1]

CB-5 (10/02/24)

	TPH-g	TPH-d	TPH-o	VOCS	Metals
3'	<0.5	<10	<50	<0.005	<ESLs [1]
5'	<0.5	<10	<50	<0.005	<ESLs [1]
10'	<0.5	<10	<50	<0.005	<ESLs [1]

CB-6 (10/02/24)

	TPH-g	TPH-d	TPH-o	VOCS	Metals
1'	NA	NA	NA	NA	(2)
3'	<0.5	<10	50	<0.005	<ESLs [1] (3)
5'	<0.5	<10	<50	<0.005	<ESLs [1] (4)
10'	<0.5	<10	<50	<0.005	<ESLs [1]

CB-7 (10/02/24)

	TPH-g	TPH-d	TPH-o	VOCS	Metals
3'	<0.5	<10	<50	<0.005	<ESLs [1]
5'	<0.5	<10	<50	<0.005	<ESLs [1]
10'	<0.5	<10	<50	<0.005	<ESLs [1]

CB-8 (10/02/24)

	TPH-g	TPH-d	TPH-o	VOCS	Metals
3'	<0.5	<10	<50	<0.005	<ESLs [1]
5'	<0.5	<10	<50	<0.005	<ESLs [1]
10'	<0.5	<10	<50	<0.005	<ESLs [1]

SOIL BORINGS

B-85 Approximate soil boring locations reported by Clayton Group Services (2002 and 2005).

B-86 Red highlighted borings contain TPH in soil exceeding 2009 SFRWQCB ESLs (commercial/ industrial or construction worker exposure)

CB-8 Supplemental soil boring location (2024)

CUT/FILL LEGEND

- Cut: 15' - 20'
- Cut: 10' - 15'
- Cut: 5' - 10'
- Cut: 0' - 5'
- Fill: 0' - 15'

GOLF COURSE LEGEND - PROPOSED LAYOUT

- Putting green
- Fairway
- Course routing
- (6) Hole number

SUMMARY OF LAB ANALYSIS

Sample name and date — Analyte

CB-1 (10/02/24)

	TPH-g	TPH-d	TPH-o	VOCS	Metals
3'	<0.5	<10	<50	<0.005	<ESLs [1]
10'	<0.5	<10	<50	<0.005	<ESLs [1]
15'	<0.5	<10	<50	<0.005	<ESLs [1]

Sample depth (ft) — Results (mg/kg)

Notes: Arsenic background concentration is 12 mg/kg per DTSC, 2020 and earlier
(1) ESLs = SFRWQCB 2019 Environmental Screening Levels for Commerical/Industrial Land Use, Construction Worker Exposure and Terrestrial Ecological Habitats
(2) Only arsenic analyzed in CB-6@1' (6.5 mg/kg)
(3) Arsenic = 18 mg/kg in CB-6@3'
(4) Nickel exceeds the construction worker ESL in noted sample CB-6@5'
TPH - Total Petroleum Hydrocarbons in the gasoline (g), diesel (d), and oil (o) ranges
VOCs - Volatile Organic Compounds
Metals - CAM 17 list

PROPOSED CUT/FILL EARTHWORK MAP SHOWING 2002/2005 PHASE II SITE ASSESSMENT BORINGS AND 2024 SUPPLEMENTAL BORINGS

Sandpiper Golf Club
Goleta, California
October 2024

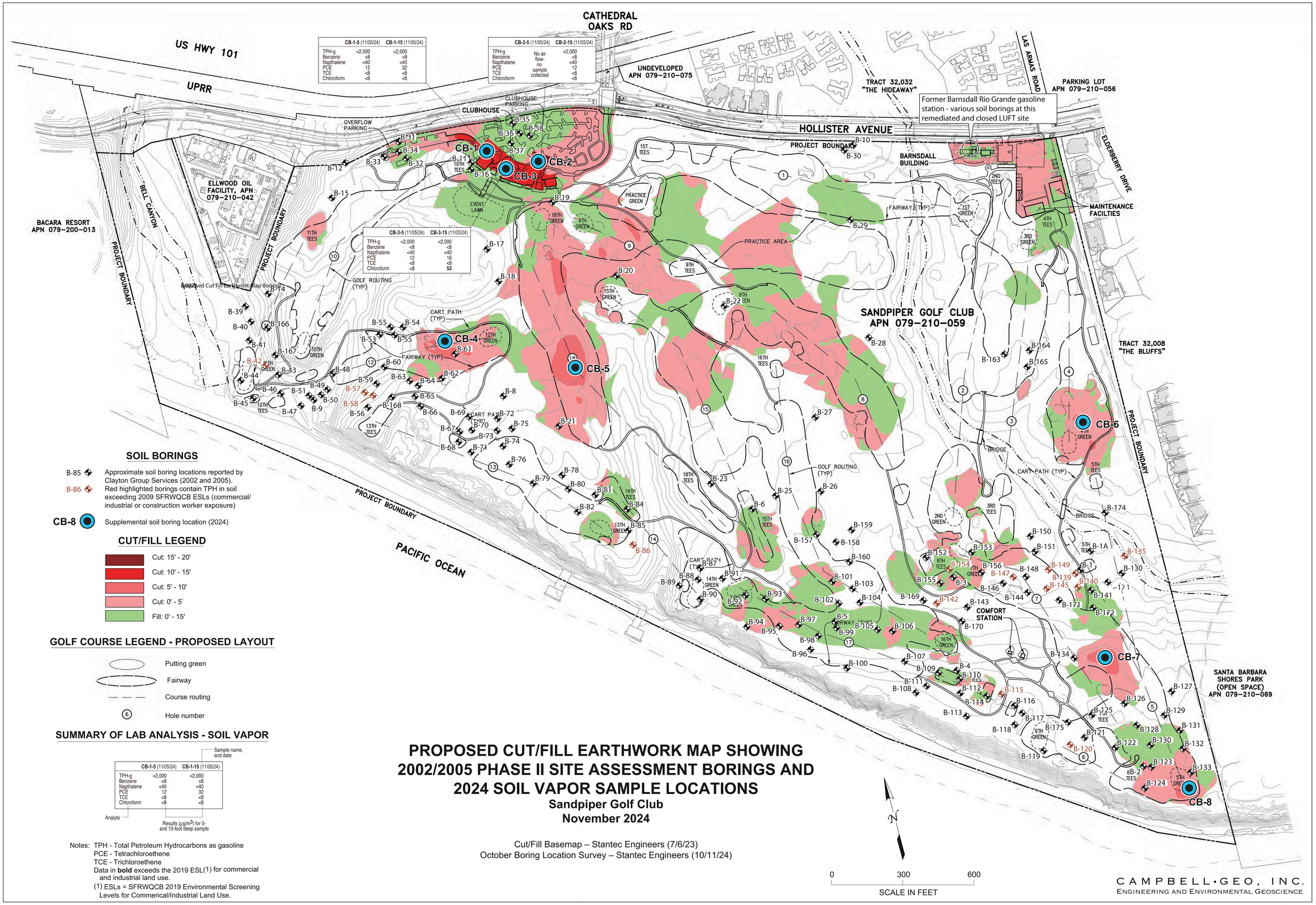
Cut/Fill Basemap – Stantec Engineers (7/6/23)
October Boring Location Survey – Stantec Engineers (10/11/24)

N

0 300 600
SCALE IN FEET

CAMPBELL·GEO, INC.
ENGINEERING AND ENVIRONMENTAL GEOSCIENCE

Plate 2



SOIL BORINGS

B-85 Approximate soil boring locations reported by Clayton Group Services (2002 and 2005).

B-86 Red highlighted borings contain TPH in soil exceeding 2009 SFRWQCB ESLs (commercial/ industrial or construction worker exposure)

CB-8 Supplemental soil boring location (2024)

CUT/FILL LEGEND

- Cut: 15' - 20'
- Cut: 10' - 15'
- Cut: 5' - 10'
- Cut: 0' - 5'
- Fill: 0' - 15'

GOLF COURSE LEGEND - PROPOSED LAYOUT

- Putting green
- Fairway
- Course routing
- (6) Hole number

SUMMARY OF LAB ANALYSIS - SOIL VAPOR

Sample name, and date

Analyte	CB-1-5 (11/05/24)	CB-1-15 (11/05/24)
TPH-g	<2,000	<2,000
Benzene	<8	<8
Napthalene	<40	<40
PCE	12	32
TCE	<8	<8
Chloroform	<8	<8

Results ($\mu g/m^3$) for 5- and 15-foot deep sample

Notes: TPH - Total Petroleum Hydrocarbons as gasoline
PCE - Tetrachloroethene
TCE - Trichloroethene
Data in **bold** exceeds the 2019 ESL(1) for commercial and industrial land use.
(1) ESLs = SFRWQCB 2019 Environmental Screening Levels for Commerical/Industrial Land Use.

PROPOSED CUT/FILL EARTHWORK MAP SHOWING 2002/2005 PHASE II SITE ASSESSMENT BORINGS AND 2024 SOIL VAPOR SAMPLE LOCATIONS

Sandpiper Golf Club
November 2024

Cut/Fill Basemap – Stantec Engineers (7/6/23)
October Boring Location Survey – Stantec Engineers (10/11/24)

CAMPBELL•GEO, INC.
ENGINEERING AND ENVIRONMENTAL GEOSCIENCE

Plate 3

APPENDICES

Appendix A	SBCEHS Permits and Field Inspection Report Boring Logs
Appendix B	Laboratory Results Chain of Custody Waste Disposal Manifest
Appendix C	Planned Soil Cut and Fill Sheet (Stantec, 2023) Sample Location Survey Sheet (Stantec, 2024)

Appendix A

SBCEHS Permits and Field Inspection Report
Boring Logs

Santa Barbara County PUBLIC Health DEPARTMENT

Environmental Health Services
225 Camino Del Remedio, Santa Barbara, CA. 93110 ◆(805) 681-4900
2125 S. Centerpointe Pkwy., #333 ◆ Santa Maria, CA 93455-1340 ◆ (805) 346-8460

GEOTECHNICAL AND ENVIRONMENTAL SOIL BORING PERMIT APPLICATION

TYPE OF PERMIT (*Please check the appropriate box below*)

☐ Soil Boring Destruction	$ 365 per boring	Hourly Rate of $161 may be charged for excess time
■ Single Parcel Boring Destruction	$535 – multiple borings at same parcel on same day	Hourly Rate of $161 may be charged for excess time
☐ 12-Month Multi-parcel Boring Destruction	$2,308 – unlimited borings	Must be C-57 Licensed to qualify. Hourly Rate of $161 may be charged for excess time
☐ Check Box if these are additional borings on a previous 12-Month Multi-parcel permit.		

FOR OFFICE USE ONLY
Rec'd Date: 8/30/2024
Rec'd By: TMR
Permit #: A20091
W/P #: EH-LUA-24-000427
SR#: N/A
P/E #: 4693
Hazmat Site #: 375

Required Attachments: Plot plan indicating the location of the borings with respect to the following items:

1. Property lines.
2. Below grade utilities, piping, USTs, etc.
3. Access roads and easements (water, sewer, utility, roadway)
4. Existing and/or proposed structures.
5. Areas or sources of known or suspected contamination.
6. Sewage disposal systems or works carrying or containing sewage or industrial wastes within the vicinity of proposed borings.
7. All perennial, seasonal, natural, or artificial water bodies or watercourses, if applicable.

OWNER INFORMATION or MULTI-PARCEL PERMIT HOLDER (MPP) INFORMATION:

Owner or MPP Name (Required): Sandpiper Golf Trust, LLC Primary Phone (805) 689-8100

Owner Mailing Address: 280 Chestnut Avenue (Street Number and Street Name) | Westmont (City) | IL / 60559 (State/ Zip Code)

If MPP Holder, Permit#_____ **Permit Date:** _____ **C-57 License #**_____

Complete this section if the person coordinating this project is other than the Boring Owner (e.g., driller, contractor, etc.)

Project Coordinator/Certified Professional Name: Steve Campbell, Campbell Geo, Inc.

Mailing Address: 327-A East Haley Street (Street Number and Name) | Santa Barbara (City) | CA / 93101 (State / Zip Code)

Primary Phone: (805) 689 - 4123 Email: steve@campbellgeo.com

BORING INFO: Type: ■ Environmental ☐ Geotechnical ☐ Other _____

Boring Location: 7925 Hollister Avenue (Street Number and Street Name) | Goleta (City) | CA / 93117 (State/ Zip Code)

Alternate Highway/Road: _____ Direction: ____ Milepost: ____ Lat: _____ Lon: ____

Boring Location's Assessor's Parcel Number (APN): 0 7 9 - 2 1 0 - 0 5 9

Drilling Method: ☐ Hollow Stem Auger ☐ Mud Rotary ☐ Air Rotary ☐ Sonic ■ Direct Push ☐ Other _____

Proposed Depth 10-20 ft.
Bore Hole Dia. 2 in.
Sealing Material: ■ Clay
☐ Neat Cement ☐ Cement Grout
Boring ID# CB1 - CB8

Boring Use (Check ALL that apply)

■ Soil Sampling ■ Soil Vapor Sampling ■ Groundwater Sampling ☐ Remedial Injections
☐ Geotechnical ☐ Other Additional Work Description: _____

LEGAL DECLARATION

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am licensed under the provisions of Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code (B. & P.C.) as a well drilling contractor (C-57 license) and such license is in full force and effect.

OEC, Inc. — Print Name of Driller

Signature of Driller

6/25/24 — Date

Lic. No.: 841350 Office Telephone 805-922-4772 Cell Phone:

Business Name: OEC, Inc. Address 307 Roemer Way, #300, Santa Maria, CA

(Complete 'A' or 'B')

A. WORKERS' COMPENSATION DECLARATION

I hereby affirm one of the following:

☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

☒ I have and will maintain workers' compensation insurance, as provided for by Section 3700 of the Labor Code, for the performance of work for which this permit is issued. My insurance carrier and policy number are:

Carrier Ohio Security Ins. Co. Policy No. XWS(24),60 00 16 61

Applicant Signature Steve Campbell Date 6/25/24

B. CERTIFICATION OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

I certify that in the performance of work for which this permit is issued, I shall not employ any person in a manner so as to become subject to the Worker's Compensation Laws of California.

Applicant Signature Date

Notice to Applicant: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

When signed by an Env. Health or Haz Mat Specialist or Professional Geologist, this application shall be deemed a permit only for the work described. You are responsible for obtaining all other permits required from other agencies, prior to implementing this work. THIS PERMIT IS VALID FOR ONE YEAR FROM THE DATE OF ISSUANCE FOR THE WORK APPROVED HEREIN. No changes from the approved plan are permitted without prior written approval by Environmental Health Services (EHS). Final clearance will not be issued until all fees are paid and a copy of the drillers log is submitted to EHS.

I hereby agree to comply with all regulations of the County of Santa Barbara and California Well Standards pertaining to boring destruction and inactivation. The property owner, boring driller, or agent will furnish EHS a copy of a completed boring log upon completion of boring destruction.

I certify that I have read this application and declare under penalty of perjury that the information contained herein is true, correct and complete. I hereby authorize representatives of EHS to enter the premises for the purpose of inspecting the site and work described herein for compliance with county requirements.

REQUIRED INSPECTIONS: After permit approval, and prior to covering any components, an inspection must be scheduled directly with the approving Env. Health or Haz Mat Specialist or Professional Geologist at least two (2) business days in advance for:

- ✓ The destruction of boring(s);
- ✓ Any operation stipulated on the permit to address special or unusual conditions.

Signed CAMPBELL GEO, INC. — Applicant (Print Name)

Steve Campbell — Applicant's Signature

6/25/24 — Date

APPLICATION DISPOSITION: ☒ **Approved** ☐ **Denied**

Signed — Env. Health Specialist / Haz Mat Specialist / Professional Geologist

8/30/2024 — Date

FOR DEPARTMENT USE ONLY

Fixed Fee Rec'd: by: CB Date: 8/30/2024 Amt.$ 565.00 ☐ Cash ☐ Check # N/A

☐ Credit Card # Receipt No.:#: 2190266

Permit Conditions: Backfill borings per California Well Standards, Bulletin 74-90, Monitoring Wells, Part III Section 19(B)

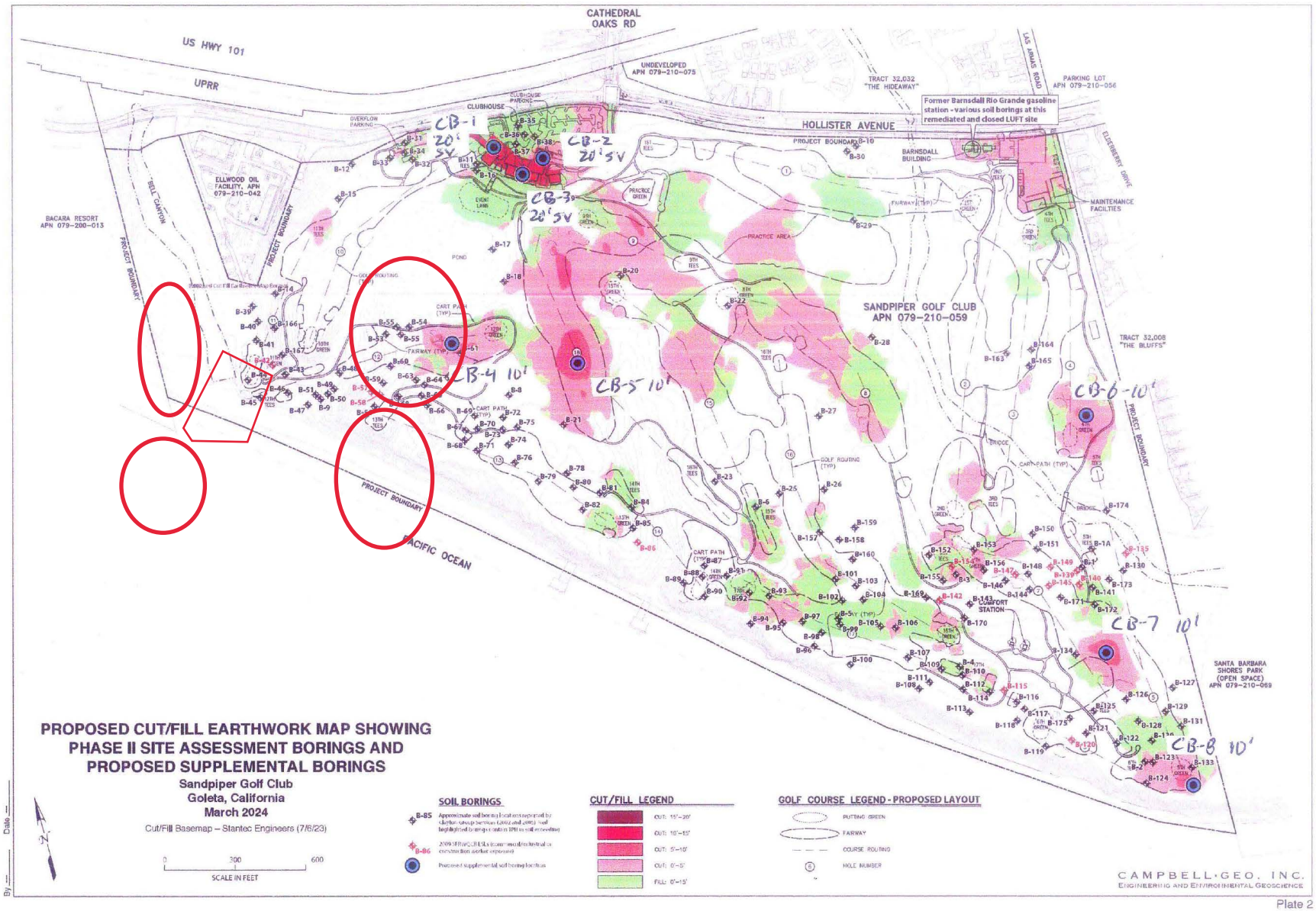

CATHEDRAL OAKS RD
US HWY 101
UPRR
UNDEVELOPED APN 079-210-075
TRACT 32,032 "THE HIDEAWAY"
LAS ARMAS ROAD
PARKING LOT APN 079-210-056
Former Barnsdall Rio Grande gasoline station - various soil borings at this remediated and closed LUFT site
HOLLISTER AVENUE
CLUBHOUSE
CLUBHOUSE PARKING
OVERFLOW PARKING
PROJECT BOUNDARY
BARNSDALL BUILDING
ELDERBERRY DRIVE
MAINTENANCE FACILITIES
ELLWOOD OIL FACILITY, APN 079-210-042
BELL CANYON
BACARA RESORT APN 079-200-013
PRACTICE GREEN
PRACTICE AREA
POND
SANDPIPER GOLF CLUB APN 079-210-059
TRACT 32,008 "THE BLUFFS"
CART PATH (TYP)
GOLF ROUTING (TYP)
BRIDGE
COMFORT STATION
CB-1 20' SV
CB-2 20' SV
CB-3 20' SV
CB-4 10'
CB-5 10'
CB-6 10'
CB-7 10'
CB-8 10'
PACIFIC OCEAN
SANTA BARBARA SHORES PARK (OPEN SPACE) APN 079-210-069
PROPOSED CUT/FILL EARTHWORK MAP SHOWING
PHASE II SITE ASSESSMENT BORINGS AND
PROPOSED SUPPLEMENTAL BORINGS
Sandpiper Golf Club
Goleta, California
March 2024
Cut/Fill Basemap – Stantec Engineers (7/6/23)
0
300
600
SCALE IN FEET
SOIL BORINGS
Approximate soil boring location reported by clayton group services (2002 and 2005) (soil highlighted in orange contain TPH in soil screening)
2009 SBHWC/CBEIS recommended/historical excavation border reported
Proposed supplemental soil boring location
CUT/FILL LEGEND
CUT: 15'-20'
CUT: 10'-15'
CUT: 5'-10'
CUT: 0'-5'
FILL: 0'-15'
GOLF COURSE LEGEND - PROPOSED LAYOUT
PUTTING GREEN
FAIRWAY
COURSE ROUTING
HOLE NUMBER
CAMPBELL·GEO, INC.
ENGINEERING AND ENVIRONMENTAL GEOSCIENCE

Plate 2

Santa Barbara County – Environmental Health Services

Santa Barbara County PUBLIC Health DEPARTMENT

Inspection Report

(www.sbcphd.org/ehs)

☒ 225 Camino Del Remedio
Santa Barbara, CA 93110
Ph. (805) 681-4900 / Fax (805) 681-4901

☐ 2125 S. Centerpointe, Parkway, Rm 333
Santa Maria, CA 93455
Ph. (805) 346-8460 / Fax (805) 346-8485

Date: 10/2/24	Name of Business/Site: Sandpiper Golf Course	CH: ☐
Record ID/Case# 375	Address/City/Zip: 7925 Hollister Ave	LUFT: ☐
Service ____ Facility type ____	Business Owner/PIC: Goleta, CA 93117	SMU: ☒
Time in: 8:30 Time out: 11:00	Certification:	

COMMENTS: onsite with Steve campbell at Sandpiper Golf Page 1 of ___

course conducting soil, S. vapor, & Gwater Sampling 3 borings at the total depth of 10-20 feet.

CB-3 20' at S.V at 5' & 15' (no mobile lab for S.V Today)
CB-1 (depth) was a little bit moist, no odor → with checked for water but did not detect any, it was dry.
CB-3 " no odor

Soil sample were mainly silty, sandy, clay, with no odor & no ground water at CB-3 at depth of 20 feet.

Soil vapor will test at 5' & 15' feet later.

Sedi Heydari	SEDI HEYDARI	(805) 698-2751
SPECIALIST	PRINT NAME:	PHONE:
[signature]	STEVE CAMPBELL	(805) 689-4123
RECEIVED BY	PRINT NAME:	PHONE:

Treatment system: active ☐ inactive ☐ groundwater ☐ soil ☐ Depth to GW NA

Samples collected: water ✓ soil ✓ soil vapor ✓ air ___ Substances Released ___

Monitoring Equipment: county ___ consultant ___ Analysis TPH, VOCs, PAHs, Cam 17 metals Lab: OEC

Non-compliance may result in an hourly charge for follow-up Community Health inspections after the re-inspection date.

EHS 16-33 Insp Rpt 5-28-14

Geoprobe @CB-1 Area

Geoprobe @ CB-1

Soil Sample 1-10 feet



20 feet Core Soil Sample at CB-1 Area

Soil Vaper Tubing at CB-3 Area

CB-3 boring

Table of Multiple Borings for Either Single parcel or 12-Month Multi-parcel Permits

Boring ID	Proposed Total Depth (feet)	SR# (EHS Data Entry)
CB-1	20	
CB-2	20	
CB-3	20	
CB-4	10	
CB-5	10	
CB-6	10	
CB-7	10	
CB-8	10	

CAMPBELL• GEO, INC.

BORING LOG

PROJECT: Sandpiper Golf Club	BORING NO: CB-1	
Location: 7925 Hollister Avenue, Goleta	Logged By: SC	
Date: 10/2/24	Checked By: Steve Campbell	
Time Started/Finished: 0915/1010	Casing Size and Type: 1/8" O.D. 1/16" I.D. Nyla-Flo	
Sampling Method: Hydraulic Push - Acetate Sleeve	Screen Slot Size:	Filter Pack: #3 Sand
Rig Type: 6610 DT Geoprobe	Elevation:	Boring Diameter: 2.25"
Drilling Contractor: OEC	Boring Location: West end of parking lot	

Depth (ft)	Sample no.	PID	Blows per foot	USCS/Soil Description	Graphic log	H_2O	Well construction
0				4" asphalt /4" base			
1	CB-1 @ 1'	0.0		Silty clay; yellow/brown; moist; stiff; dense; no HC odor	CL		
	CB-1 @ 3'	0.0		Silty sand; med brown; moist; firm; mod dense; no HC odor	SM		
5	CB-1 @ 5'	0.0		Silty clay; yellow/brown; moist; stiff; dense; no HC odor	CL		
				Alternating silty sand and clayey sand (6-9') no HC odor	SM-SC		
10	CB-1 @ 10'	0.0		Silty clay and clay; yellow brown; moist; stiff; dense; no HC odor	CL		
				Silty sand; brown; moist - v. moist; firm; mod. dense; no HC odor	SM		
15	CB-1 @ 15'	0.0		Silty clay and clay; yellow brown; moist; stiff; dense; no HC odor	CL		
				Silty sand; brown; v. moist; firm; mod dense; no HC odor	SM		
				Silty clay and clayey silt; brown; stiff; dense; no HC odor	ML-CL		
20	CB-1 @ 20'	0.0		EOB: 20 feet No groundwater encountered PID = MiniRAE 2000 Completed temporary SV wells w/5' and 15' deep gas inlets			

CAMPBELL• GEO, INC.

BORING LOG

PROJECT: Sandpiper Golf Club	BORING NO: CB-2	
Location: 7925 Hollister Avenue, Goleta	Logged By: SC	
Date: 10/2/24	Checked By: Steve Campbell	
Time Started/Finished: 1020/1230	Casing Size and Type: 1/8" O.D. 1/16" I.D. Nyla-Flo	
Sampling Method: Hydraulic Push - Acetate Sleeve	Screen Slot Size:	Filter Pack: #3 Sand
Rig Type: 6610 DT Geoprobe	Elevation:	Boring Diameter: 2.25"
Drilling Contractor: OEC	Boring Location: In planter east of clubhouse	

Depth (ft)	Sample no.	PID	Blows per foot	USCS/Soil Description	Graphic log	H_2O	Well construction
0							
1	CB-2 @ 1'	0.0		Silty clay and clay; yellow/brown; moist; stiff; dense; no HC odor	CL		
	CB-2 @ 3'	0.0		Clay; gray/yellow; moist; v. stiff; v. dense; no HC odor			
5	CB-2 @ 5'	0.0		Sandy clay; some blue/grey mottling (staining?), yellow/brown; moist; stiff; dense; no HC odor; discoloration ends at 6.5'			
				Clayey sand and sandy clay; brown; moist to v. moist; firm to stiff; dense; no HC odor	SC		
10	CB-2 @ 10'	0.0		Some interbedded lenses of clay and clayey sand			
				Sand/silty sand; gray brown; v moist; soft; med dense; no HC odor	SP-SM		
15	CB-2 @ 15'	0.0		Clayey sand; gray/brown; moist; stiff; dense; no HC odor	SC		
				Clay; yellow/brown; moist; stiff; dense; no HC odor	CL		
				Clayey sand w/some small pebbles; yellow/brown; moist; firm; dense; no HC odor	SC-GP		
20	CB-2 @ 20'	0.0		EOB: 20 feet No groundwater encountered PID = MiniRAE 2000 Completed temporary SV wells w/5' and 15' deep gas inlets			

CAMPBELL• GEO, INC.

BORING LOG

PROJECT: Sandpiper Golf Club	BORING NO: CB-3	
Location: 7925 Hollister Avenue, Goleta	Logged By: SC	
Date: 10/2/24	Checked By: Steve Campbell	
Time Started/Finished: 0745/0915	Casing Size and Type: 1/8" O.D. 1/16" I.D. Nyla-Flo	
Sampling Method: Hydraulic Push - Acetate Sleeve	Screen Slot Size:	Filter Pack: #3 Sand
Rig Type: 6610 DT Geoprobe	Elevation:	Boring Diameter: 2.25"
Drilling Contractor: OEC	Boring Location: West of ex. clubhouse on a patio	

Depth (ft)	Sample no.	PID	Blows per foot	USCS/Soil Description	Graphic log	H_2O	Well construction
0							
1	CB-3 @ 1'	0.0		0-8" concrete/rebar and base			
				Sandy silt; med to light brown; moist; firm; mod. dense; no HC odor	SM		
	CB-3 @ 3'	0.0		Silty clay; yellow/brown; moist; stiff; dense; no HC odor			
5	CB-3 @ 5'	0.0		As above; no HC odor	ML-CL		
				Some sandy clay and clayey sand lenses; no HC odor	SC		
10	CB-3 @ 10'	0.0		Sandy clay; yellow/brown to brown; moist; stiff; dense; no HC odor	SM		
15	CB-3 @ 15'	0.0		Silty sand; yellow/brown; moist; firm to stiff; mod. dense; no HC odor	SC		
				Alternating sandy silt and silty clay 16-19'	SM-ML		
20	CB-3 @ 20'	0.0		Sandy silt; brown; moist; firm to stiff; dense; no HC odor	SM		
				EOB: 20 feet No groundwater encountered PID = MiniRAE 2000 Completed temporary SV wells w/5' and 15' deep gas inlets			

CAMPBELL• GEO, INC.

BORING LOG

PROJECT: Sandpiper Golf Club	**BORING NO: CB-4**	
Location: 7925 Hollister Avenue, Goleta	Logged By: SC	
Date: 10/2/24	Checked By: Steve Campbell	
Time Started/Finished: 1710/1800	Casing Size and Type:	
Sampling Method: Hydraulic Push - Acetate Sleeve	Screen Slot Size:	Filter Pack: #3 Sand
Rig Type: 6610 DT Geoprobe	Elevation:	Boring Diameter: 2.25"
Drilling Contractor: OEC	Boring Location: Next to cart path, Hole #12	

Depth (ft)	Sample no.	PID	Blows per foot	USCS/Soil Description	Graphic log	H_2O	Well construction
0							
1	CB-4 @ 1'	0.0		Grass; clayey silt; dark brown; moist; stiff; dense; no HC odor			
	CB-4 @ 3'	0.0		Clayey silt; orange/brown; moist; stiff; dense; no HC odor	ML-CL		
5	CB-4 @ 5'	0.0		As above but med. brown; no HC odor			
10	CB-4 @ 10'	0.0		Clay; brown; moist; stiff; dense; no HC odor	CL		
				EOB: 10 feet No groundwater encountered PID = MiniRAE 2000 Backfilled with 3/8" bentonite chips			
15							
20							

CAMPBELL• GEO, INC.

BORING LOG

PROJECT: Sandpiper Golf Club	BORING NO: CB-5	
Location: 7925 Hollister Avenue, Goleta	Logged By: SC	
Date: 10/2/24	Checked By: Steve Campbell	
Time Started/Finished: 1625/1700	Casing Size and Type:	
Sampling Method: Hydraulic Push - Acetate Sleeve	Screen Slot Size:	Filter Pack:
Rig Type: 6610 DT Geoprobe	Elevation:	Boring Diameter: 2.25"
Drilling Contractor: OEC	Boring Location: S/o driving range at brown grass rough	

Depth (ft)	Sample no.	PID	Blows per foot	USCS/Soil Description	Graphic log	H_2O	Well construction
0							
1	CB-5 @ 1'	0.0		Clayey silt; med brown; dry; stiff; dense; No HC odor			
	CB-5 @ 3'	0.0		Clayey sandy silt; med brown; dry to moist; firm; dense; no HC odor			
5	CB-5 @ 5'	0.0		As above; yellow/brown; no HC odor	ML-CL		
10	CB-5 @ 10'	0.0		Clayey sandy silt; brown with black flecks; moist; stiff; dense; no HC odor			
				EOB: 10 feet No groundwater encountered PID = MiniRAE 2000 Backfilled with 3/8" bentonite chips			
15							
20							

CAMPBELL• GEO, INC.

BORING LOG

PROJECT: Sandpiper Golf Club	**BORING NO: CB-6**	
Location: 7925 Hollister Avenue, Goleta	Logged By: SC	
Date: 10/2/24	Checked By: Steve Campbell	
Time Started/Finished: 1345/1415	Casing Size and Type: N/A	
Sampling Method: Hydraulic Push - Acetate Sleeve	Screen Slot Size:	Filter Pack:
Rig Type: 6610 DT Geoprobe	Elevation:	Boring Diameter: 2.25"
Drilling Contractor: OEC	Boring Location: South of green at Hole #4	

Depth (ft)	Sample no.	PID	Blows per foot	USCS/Soil Description	Graphic log	H_2O	Well construction
0				Grass			
1	CB-6 @ 1'	0.0		Silty clay; yellow/brown; moist; stiff; dense; no HC odor	CL		
	CB-6 @ 3'	0.0		Sandy silt; brown; moist; firm; mod dense; no HC odor	SM		
5	CB-6 @ 5'	0.0		Sandy clay; yellow/brown; moist; stiff; dense; no HC odor	SC		
10	CB-6 @ 10'	0.0		Clay; yellow/brown; moist; v. stiff; dense; no HC odor	CL		
				EOB: 10 feet No groundwater encountered PID = MiniRAE 2000 Backfilled with 3/8" bentonite chips			
15							
20							

CAMPBELL• GEO, INC.

BORING LOG

PROJECT: Sandpiper Golf Club	**BORING NO: CB-7**	
Location: 7925 Hollister Avenue, Goleta	Logged By: SC	
Date: 10/2/24	Checked By: Steve Campbell	
Time Started/Finished: 1510/1550	Casing Size and Type: N/A	
Sampling Method: Hydraulic Push - Acetate Sleeve	Screen Slot Size:	Filter Pack:
Rig Type: 6610 DT Geoprobe	Elevation:	Boring Diameter: 2.25"
Drilling Contractor: OEC	Boring Location: NE of the tee boxes on Hole #7t	

Depth (ft)	Sample no.	PID	Blows per foot	USCS/Soil Description	Graphic log	H_2O	Well construction
0							
1	CB-7 @ 1'	0.0		Grass; clayey silt; med brown; dry to moist; firm; dense; no HC odor	ML		
	CB-7 @ 3'	0.0		Silty clay and clay; dark brown; dry to moist; stiff; v. dense; no HC odor			
5	CB-7@ 5'	0.0		As above; no HC odor	CL		
				Sandy silt; light to med. gray (stained?); moist; firm; mod. dense; no HC odor	SM		
10	CB-7 @ 10'	0.0		EOB: 10 feet No groundwater encountered PID = MiniRAE 2000 Backfilled with 3/8" bentonite chips			
15							
20							

CAMPBELL• GEO, INC.

BORING LOG

PROJECT: Sandpiper Golf Club	**BORING NO: CB-8**	
Location: 7925 Hollister Avenue, Goleta	Logged By: SC	
Date: 10/2/24	Checked By: Steve Campbell	
Time Started/Finished: 1430/1500	Casing Size and Type: N/A	
Sampling Method: Hydraulic Push - Acetate Sleeve	Screen Slot Size:	Filter Pack:
Rig Type: 6610 DT Geoprobe	Elevation:	Boring Diameter: 2.25"
Drilling Contractor: OEC	Boring Location: South of green at Hole #4 near bluff	

Depth (ft)	Sample no.	PID	Blows per foot	USCS/Soil Description	Graphic log	H_2O	Well construction
0							
1	CB-8 @ 1'	0.0		Grass; silt w minor clay; brown to dark brown; dry to moist; firm to stiff; dense; no HC odor	ML		
	CB-8 @ 3'	0.0		As above; no HC odor			
5	CB-8 @ 5'	0.0		Silty clay; black; moist; stiff; dense; no HC odor	SC		
10	CB-8 @ 10'	0.0		Sandy clay; mottled gray, blue (stained?), moist; stiff; dense, no HC odor			
				EOB: 10 feet No groundwater encountered PID = MiniRAE 2000 Backfilled with 3/8" bentonite chips			
15							
20							

Appendix B

Laboratory Results

Chain of Custody

Waste Disposal Manifest

Analytical Report

Oilfield Environmental & Compliance, Inc.

Steve Campbell
Campbell Geo, Inc.
327A East Haley Street
Santa Barbara, CA 93101

OEC Work Order: **2410146**

Report Date: **November 12, 2024 15:41**

Project: **Sandpiper**

Enclosed is an analytical report for the above referenced project. The samples included in this report were received on November 01, 2024 13:00 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Authorized for release by:

Meredith Sprister, Business Director
msprister@oecusa.com

This laboratory is accredited in accordance with the recognised International Standard ISO/IEC 17025. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISOILAC-IAF Communiqué dated April 2017)

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2410146
Santa Barbara CA, 93101	Project Manager: Steve Campbell	11/12/2024 15:41

Sample Summary

Sample ID	Laboratory ID	Client Matrix	Lab Matrix	Date Sampled	Date Received
CB-6@1'	2410146-01	Solid	Solid	10/02/2024 13:51	11/01/2024 13:00

Sample Batch Preparation Summary

Analysis	Batch ID	Preparation Date/Time
Total Metals by ICP		
6010B Total	B4K0073	11/04/2024 08:58

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2410146
Santa Barbara CA, 93101	Project Manager: Steve Campbell	11/12/2024 15:41

Analytical Report for Samples

Sample ID : **CB-6@1'**
Matrix : Solid
Lab ID : 2410146-01

Sampled : 10/02/24 13:51
Sampled by : Steve Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Total Metals by ICP								
Arsenic	**6.5**	2.0	mg/kg	1	B4K0073	11/06/24 13:01	EPA 6010B	

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

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2410146
Santa Barbara CA, 93101	Project Manager: Steve Campbell	11/12/2024 15:41

Total Metals by ICP - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4K0073 - EPA 6010B Preparation: EPA 3050B 11/04/24 08:58										
Blank (B4K0073-BLK1)			Analyzed: 11/06/24 12:26							
Arsenic	ND	2.0	mg/kg							
LCS (B4K0073-BS1)			Analyzed: 11/06/24 12:31							
Arsenic	95.2	2.0	mg/kg	100		95	80-120			
LCS Dup (B4K0073-BSD1)			Analyzed: 11/06/24 12:33							
Arsenic	98.9	2.0	mg/kg	100		99	80-120	4	20	
Duplicate (B4K0073-DUP1) **Source: 2410123-01**			Analyzed: 11/06/24 12:35							
Arsenic	4.64	2.0	mg/kg		4.58			1	20	
Matrix Spike (B4K0073-MS1) **Source: 2410123-01**			Analyzed: 11/06/24 12:51							
Arsenic	102	1.9	mg/kg	96.2	4.58	102	81-118			
Matrix Spike Dup (B4K0073-MSD1) **Source: 2410123-01**			Analyzed: 11/06/24 12:54							
Arsenic	99.8	1.9	mg/kg	96.2	4.58	99	81-118	3	20	
Post Spike (B4K0073-PS1) **Source: 2410123-01**			Analyzed: 11/06/24 12:57							
Arsenic	2.19		mg/L	2.00	0.0938	105	75-125			

Sample Method Summary

Analysis	Method	Matrix	Laboratory & Certification
Total Metals by ICP			
6010B Total Arsenic	EPA 6010B	Solid	OEC, CA-ELAP,NELAP

Notes and Definitions

Qualifier	Definition
MDL	Method Detection Limit
RL	Reporting Limit (Quantitation Limit)
ND	Analyte NOT DETECTED at or above the method limit (MDL)
RPD	Relative Percent Difference
QR-04	The RPD exceeded the QC control limits.

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.

Sample Receipt

Work Order Review is Complete

Work Order

2410146 **Refresh**

Client Name	Temp °C	Thermometer ID	Refrigerator(s)	COC Received	Login
Campbell Geo, Inc.	4.4	2	8	11/01/2024 13:00	11/01/2024 13:32

Recorded Corrected, Acceptable Range 0°C to 6°C (See Exception Notes Below)

Sample Transport

- [x] OECCourier/Sampler
- [ ] After Hours Drop Off
- [ ] Delivery (Other than OEC)
- [ ] Shipment Carrier Tracking#

Custody Seals: [x] None Present

Cooler(s)	[ ] Present, Intact	[ ] Present, Not Intact	[ ] None
Sample(s)	[ ] Present Intact	[ ] Present, Not Intact	[ ] None

Condition/Preservation

	Yes	No	N/A
[x] Received On Ice Within Range (Acceptable)			
[ ] Received Outside Range(Acceptable)			
[ ] Direct from Field on Ice			
[ ] Ambient: Air or Filter Matrix			
[ ] Received Ambient, Placed on Ice			
[ ] Sample Temperature Accetable for Analysis			
[ ] Received Outside Range [Exception]*			
[ ] Insufficient Ice or Unknown			
[ ] Excessive Free Liquid			
Completed COCs Received with Sample(s)	[x]	[ ]	
Correct Container(s) Preserve for Analysis	[x]	[ ]	
Container(s) Intact and Good Condition	[x]	[ ]	
Container Label(s) Consistent with COC	[x]	[ ]	
OEC Preservation Added**	[ ]	[x]	
Sample Quantity Sufficent	[x]	[ ]	

Containers, COC Changes, And/Or Corrections

Cotaniner ID (COC)	Container Description	Home	Matrix	Preservative	pH/Chlorine /Sulfur	Comments
01A	4oz Glass	Fridge 8 - Walk-In	Solid			

Receipt Login By: DA-11/01/24 02:27

Receipt Reviewed By: AMQ-11/01/24 03:09

Oilfield Environmental & Compliance, Inc.
307 Roemer Way Suite 300, Santa Maria, CA 93454
Phone: (805) 922-4772 Fax: (805) 925-3376 www.oecusa.com
101 Adkisson Way, Taft, CA 93268 Phone: (661) 762-9143

OEC Work Order (Lab Use Only): 2410146

CHAIN OF CUSTODY

Rev 01/02/2020

Page 1 of 1

Company: CAMPBELL GEO INC
Project Name / No: SANDPIPER
Address: on file
Site:
PO #:
Phone:
Email:
Comments:
Report To: S. CAMPBELL
Sampler (Print): S. CAMPBELL

Report Format(s): PDF(std) ☒ EDD ☒ EDF[(i)] ☒ WellSTAR[(i)] ☐ LTS[(i)] ☐
OTHER (Custom) EDD ☐:
[(i)] EDF Global ID/Log Code, LTS(SDWIS) PWS: WellSTAR Facility / API# / Entity#: T10000021104

Requested Turnaround Time [TAT]: (Surcharges apply to any TAT other than 'Standard'):
ASAP ☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ 5 Day ☐ Standard ☒

* A=air/vapor, P=product/oil, S=solid/sediment, Waters (DW=drinking, GW=ground, PW=produced, WW=waste)

Lab Use Only	Date/Time Sampled	Matrix*	# of Cont.	Sample ID	Analysis Requested: Arsenic	Special Instructions
01	10/2/24 1351	S	1	CB-6@1'	X	
						4.4

Relinquished by (Print & Signature): S. CAMPBELL	Received by (Print & Signature): J Camacho	Date: 11/1/24	Time: ~~1300~~ 1150
Relinquished by (Print & Signature): J Camacho	Received by (Print & Signature): Andrew Quinlan	Date: 11/1/24	Time: 1300
Relinquished by (Print & Signature):	Received by (Print & Signature):	Date:	Time:

Analytical Report

Oilfield Environmental & Compliance, Inc.

Steve Campbell
Campbell Geo, Inc.
327A East Haley Street
Santa Barbara, CA 93101

OEC Work Order: **2409180**

Report Date: **October 21, 2024 08:17**

Project: **Sandpiper**

Enclosed is an analytical report for the above referenced project. The samples included in this report were received on October 03, 2024 08:00 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Authorized for release by:

Meredith Sprister, Business Director
msprister@oecusa.com

This laboratory is accredited in accordance with the recognised International Standard ISO/IEC 17025. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISOILAC-IAF Communiqué dated April 2017)

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Sample Summary

Sample ID	Laboratory ID	Client Matrix	Lab Matrix	Date Sampled	Date Received
CB-1@3'	2409180-01	Solid	Solid	10/02/2024 09:43	10/03/2024 08:00
CB-1@10'	2409180-02	Solid	Solid	10/02/2024 09:57	10/03/2024 08:00
CB-1@15'	2409180-03	Solid	Solid	10/02/2024 09:58	10/03/2024 08:00
CB-2@3'	2409180-04	Solid	Solid	10/02/2024 10:35	10/03/2024 08:00
CB-2@5'	2409180-05	Solid	Solid	10/02/2024 10:45	10/03/2024 08:00
CB-2@10'	2409180-06	Solid	Solid	10/02/2024 10:50	10/03/2024 08:00
CB-2@15'	2409180-07	Solid	Solid	10/02/2024 11:05	10/03/2024 08:00
CB-3@1'	2409180-08	Solid	Solid	10/02/2024 08:00	10/03/2024 08:00
CB-3@5'	2409180-09	Solid	Solid	10/02/2024 08:10	10/03/2024 08:00
CB-3@15'	2409180-10	Solid	Solid	10/02/2024 08:20	10/03/2024 08:00
CB-4@3'	2409180-11	1650	Solid	10/02/2024 17:25	10/03/2024 08:00
CB-4@5'	2409180-12	Solid	Solid	10/02/2024 17:30	10/03/2024 08:00
CB-5@3'	2409180-13	Solid	Solid	10/02/2024 16:35	10/03/2024 08:00
CB-5@5'	2409180-14	Solid	Solid	10/02/2024 16:45	10/03/2024 08:00
CB-5@10'	2409180-15	Solid	Solid	10/02/2024 16:50	10/03/2024 08:00
CB-6@3'	2409180-16	Solid	Solid	10/02/2024 13:55	10/03/2024 08:00
CB-6@5'	2409180-17	Solid	Solid	10/02/2024 13:58	10/03/2024 08:00
CB-6@10'	2409180-18	Solid	Solid	10/02/2024 14:00	10/03/2024 08:00
CB-7@3'	2409180-19	Solid	Solid	10/02/2024 15:20	10/03/2024 08:00
CB-7@5'	2409180-20	Solid	Solid	10/02/2024 15:27	10/03/2024 08:00
CB-7@10'	2409180-21	Solid	Solid	10/02/2024 15:35	10/03/2024 08:00
CB-8@3'	2409180-22	Solid	Solid	10/02/2024 14:40	10/03/2024 08:00
CB-8@5'	2409180-23	Solid	Solid	10/02/2024 14:45	10/03/2024 08:00
CB-8@10'	2409180-24	Solid	Solid	10/02/2024 14:47	10/03/2024 08:00

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Sample Batch Preparation Summary

Analysis	Batch ID	Preparation Date/Time
Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring		
8270C PNA SIM	B4J0238	10/07/2024 06:07
Semi-Volatile Organic TPH by GC/FID		
8015 Diesel & Motor Oil List	B4J0311	10/08/2024 09:44
8015 Diesel & Motor Oil List	B4J0312	10/08/2024 09:45
Total Metals by CVAA		
Mercury Total EPA 7471A	B4J0259	10/07/2024 10:39
Mercury Total EPA 7471A	B4J0260	10/07/2024 10:40
Total Metals by ICP		
6010B Total	B4J0146	10/03/2024 11:52
6010B Total	B4J0176	10/04/2024 07:51
6010B Total	B4J0146	10/03/2024 11:52
6010B Total	B4J0176	10/04/2024 07:51
6010B Total	B4J0146	10/03/2024 11:52
6010B Total	B4J0176	10/04/2024 07:51
6010B Total	B4J0146	10/03/2024 11:52
6010B Total	B4J0176	10/04/2024 07:51
6010B Total	B4J0146	10/03/2024 11:52
6010B Total	B4J0176	10/04/2024 07:51
6010B Total	B4J0146	10/03/2024 11:52
6010B Total	B4J0176	10/04/2024 07:51
6010B Total	B4J0146	10/03/2024 11:52
6010B Total	B4J0176	10/04/2024 07:51
6010B Total	B4J0146	10/03/2024 11:52
6010B Total	B4J0176	10/04/2024 07:51
6010B Total	B4J0146	10/03/2024 11:52
6010B Total	B4J0176	10/04/2024 07:51
6010B Total	B4J0146	10/03/2024 11:52
6010B Total	B4J0176	10/04/2024 07:51
6010B Total	B4J0146	10/03/2024 11:52
6010B Total	B4J0176	10/04/2024 07:51
6010B Total	B4J0146	10/03/2024 11:52
6010B Total	B4J0176	10/04/2024 07:51
6010B Total	B4J0146	10/03/2024 11:52
6010B Total	B4J0176	10/04/2024 07:51
6010B Total	B4J0146	10/03/2024 11:52
6010B Total	B4J0176	10/04/2024 07:51
6010B Total	B4J0146	10/03/2024 11:52
6010B Total	B4J0176	10/04/2024 07:51
6010B Total	B4J0146	10/03/2024 11:52
6010B Total	B4J0176	10/04/2024 07:51
6010B Total	B4J0146	10/03/2024 11:52
6010B Total	B4J0176	10/04/2024 07:51
Volatile Organic Compounds by GC/MS		
8260B Full List	B4J0164	10/03/2024 14:31
8260B Full List	B4J0227	10/06/2024 09:00

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Sample Batch Preparation Summary

Analysis	Batch ID	Preparation Date/Time
Volatile Organic TPH by GC/FID		
8015 TPH-Gasoline	B4J0214	10/05/2024 07:53
8015 TPH-Gasoline	B4J0226	10/06/2024 14:00

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-1@3'**
Matrix : Solid
Lab ID : 2409180-01

Sampled : 10/02/24 09:43
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Total Metals by CVAA								
Mercury	ND	0.093	mg/kg	1	B4J0259	10/08/24 13:42	EPA 7471A	
Total Metals by ICP								
Antimony	ND	2.5	mg/kg	1	B4J0146	10/07/24 16:43	EPA 6010B	
Arsenic	**2.8**	2.0	"	"	"	"	"	
Barium	**34**	1.0	"	"	"	"	"	
Beryllium	ND	0.50	"	"	"	"	"	
Cadmium	ND	0.25	"	"	"	"	"	
Chromium	**15**	0.50	"	"	"	"	"	
Cobalt	**2.9**	0.50	"	"	"	"	"	
Copper	**8.1**	1.0	"	"	"	"	"	
Lead	**7.0**	0.50	"	"	"	"	"	
Molybdenum	**0.89**	0.50	"	"	"	"	"	
Nickel	**11**	0.50	"	"	"	"	"	
Selenium	ND	2.0	"	"	"	"	"	
Silver	ND	0.50	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	
Vanadium	**18**	2.0	"	"	"	"	"	
Zinc	**21**	2.0	"	"	"	"	"	
Volatile Organic TPH by GC/FID								
TPH Gasoline (C5-C12)	ND	0.50	mg/kg	1	B4J0214	10/06/24 00:26	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		*88 %*	*(33 - 158)*		"	"	"	
Semi-Volatile Organic TPH by GC/FID								
TPH Diesel (C13-C22)	ND	10	mg/kg	1	B4J0312	10/09/24 17:52	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	
Surrogate: o-Terphenyl		*95 %*	*(34 - 166)*		"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-1@3'**
Matrix : Solid
Lab ID : 2409180-01

Sampled : 10/02/24 09:43
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS								
Benzene	ND	0.0050	mg/kg	1	B4J0164	10/04/24 11:04	EPA 8260B	
Bromobenzene	ND	0.0050	"	"	"	"	"	
Bromochloromethane	ND	0.0050	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-1@3'**
Matrix : Solid
Lab ID : 2409180-01

Sampled : 10/02/24 09:43
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS (Continued)								
Hexachlorobutadiene	ND	0.0050	mg/kg	1	B4J0164	10/04/24 11:04	EPA 8260B	
4-Isopropyl Toluene	ND	0.0050	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0050	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0050	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*97 %*	*(78 - 125)*		"	"	"	
Surrogate: Toluene-d8		*97 %*	*(68 - 130)*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*94 %*	*(69 - 122)*		"	"	"	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-1@10'**
Matrix : Solid
Lab ID : 2409180-02

Sampled : 10/02/24 09:57
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Total Metals by CVAA								
Mercury	ND	0.096	mg/kg	1	B4J0259	10/08/24 13:44	EPA 7471A	
Total Metals by ICP								
Antimony	ND	2.4	mg/kg	1	B4J0146	10/07/24 16:45	EPA 6010B	
Arsenic	**3.6**	2.0	"	"	"	"	"	
Barium	**110**	0.98	"	"	"	"	"	
Beryllium	ND	0.49	"	"	"	"	"	
Cadmium	ND	0.24	"	"	"	"	"	
Chromium	**24**	0.49	"	"	"	"	"	
Cobalt	**4.8**	0.49	"	"	"	"	"	
Copper	**15**	0.98	"	"	"	"	"	
Lead	**4.7**	0.49	"	"	"	"	"	
Molybdenum	**0.52**	0.49	"	"	"	"	"	
Nickel	**32**	0.49	"	"	"	"	"	
Selenium	ND	2.0	"	"	"	"	"	
Silver	ND	0.49	"	"	"	"	"	
Thallium	ND	0.98	"	"	"	"	"	
Vanadium	**26**	2.0	"	"	"	"	"	
Zinc	**37**	2.0	"	"	"	"	"	
Volatile Organic TPH by GC/FID								
TPH Gasoline (C5-C12)	ND	0.50	mg/kg	1	B4J0214	10/06/24 01:23	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		*88 %*	*(33 - 158)*		"	"	"	
Semi-Volatile Organic TPH by GC/FID								
TPH Diesel (C13-C22)	ND	10	mg/kg	1	B4J0312	10/09/24 17:52	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	
Surrogate: o-Terphenyl		*96 %*	*(34 - 166)*		"	"	"	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-1@10'**
Matrix : Solid
Lab ID : 2409180-02

Sampled : 10/02/24 09:57
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS								
Benzene	ND	0.0050	mg/kg	1	B4J0164	10/04/24 11:54	EPA 8260B	
Bromobenzene	ND	0.0050	"	"	"	"	"	
Bromochloromethane	ND	0.0050	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-1@10'**
Matrix : Solid
Lab ID : 2409180-02

Sampled : 10/02/24 09:57
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS (Continued)								
Hexachlorobutadiene	ND	0.0050	mg/kg	1	B4J0164	10/04/24 11:54	EPA 8260B	
4-Isopropyl Toluene	ND	0.0050	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0050	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0050	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*99 %*	*(78 - 125)*		"	"	"	
Surrogate: Toluene-d8		*96 %*	*(68 - 130)*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*93 %*	*(69 - 122)*		"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-1@15'**
Matrix : Solid
Lab ID : 2409180-03

Sampled : 10/02/24 09:58
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Total Metals by CVAA								
Mercury	ND	0.093	mg/kg	1	B4J0259	10/08/24 13:46	EPA 7471A	
Total Metals by ICP								
Antimony	ND	2.4	mg/kg	1	B4J0146	10/07/24 16:48	EPA 6010B	
Arsenic	**2.6**	1.9	"	"	"	"	"	
Barium	**61**	0.95	"	"	"	"	"	
Beryllium	ND	0.47	"	"	"	"	"	
Cadmium	ND	0.24	"	"	"	"	"	
Chromium	**20**	0.47	"	"	"	"	"	
Cobalt	**3.7**	0.47	"	"	"	"	"	
Copper	**11**	0.95	"	"	"	"	"	
Lead	**2.9**	0.47	"	"	"	"	"	
Molybdenum	ND	0.47	"	"	"	"	"	
Nickel	**28**	0.47	"	"	"	"	"	
Selenium	ND	1.9	"	"	"	"	"	
Silver	ND	0.47	"	"	"	"	"	
Thallium	ND	0.95	"	"	"	"	"	
Vanadium	**22**	1.9	"	"	"	"	"	
Zinc	**30**	1.9	"	"	"	"	"	
Volatile Organic TPH by GC/FID								
TPH Gasoline (C5-C12)	ND	0.50	mg/kg	1	B4J0214	10/06/24 01:51	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		*89 %*	*(33 - 158)*		"	"	"	
Semi-Volatile Organic TPH by GC/FID								
TPH Diesel (C13-C22)	ND	9.9	mg/kg	1	B4J0312	10/09/24 18:11	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	
Surrogate: o-Terphenyl		*97 %*	*(34 - 166)*		"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-1@15'**
Matrix : Solid
Lab ID : 2409180-03

Sampled : 10/02/24 09:58
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS								
Benzene	ND	0.0050	mg/kg	1	B4J0164	10/04/24 12:19	EPA 8260B	
Bromobenzene	ND	0.0050	"	"	"	"	"	
Bromochloromethane	ND	0.0050	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-1@15'**
Matrix : Solid
Lab ID : 2409180-03

Sampled : 10/02/24 09:58
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS (Continued)								
Hexachlorobutadiene	ND	0.0050	mg/kg	1	B4J0164	10/04/24 12:19	EPA 8260B	
4-Isopropyl Toluene	ND	0.0050	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0050	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0050	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*(78 - 125)*		"	"	"	
Surrogate: Toluene-d8		*98 %*	*(68 - 130)*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*96 %*	*(69 - 122)*		"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-2@3'**
Matrix : Solid
Lab ID : 2409180-04

Sampled : 10/02/24 10:35
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Total Metals by CVAA								
Mercury	ND	0.085	mg/kg	1	B4J0259	10/08/24 13:48	EPA 7471A	
Total Metals by ICP								
Antimony	ND	2.4	mg/kg	1	B4J0146	10/07/24 16:51	EPA 6010B	
Arsenic	**4.3**	1.9	"	"	"	"	"	
Barium	**58**	0.97	"	"	"	"	"	
Beryllium	ND	0.49	"	"	"	"	"	
Cadmium	ND	0.24	"	"	"	"	"	
Chromium	**15**	0.49	"	"	"	"	"	
Cobalt	**3.1**	0.49	"	"	"	"	"	
Copper	**9.8**	0.97	"	"	"	"	"	
Lead	**4.5**	0.49	"	"	"	"	"	
Molybdenum	**0.59**	0.49	"	"	"	"	"	
Nickel	**13**	0.49	"	"	"	"	"	
Selenium	ND	1.9	"	"	"	"	"	
Silver	ND	0.49	"	"	"	"	"	
Thallium	ND	0.97	"	"	"	"	"	
Vanadium	**22**	1.9	"	"	"	"	"	
Zinc	**21**	1.9	"	"	"	"	"	
Volatile Organic TPH by GC/FID								
TPH Gasoline (C5-C12)	ND	0.49	mg/kg	1	B4J0214	10/06/24 02:19	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		*90 %*	*(33 - 158)*		"	"	"	
Semi-Volatile Organic TPH by GC/FID								
TPH Diesel (C13-C22)	ND	10	mg/kg	1	B4J0312	10/09/24 18:11	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	
Surrogate: o-Terphenyl		*105 %*	*(34 - 166)*		"	"	"	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-2@3'**
Matrix : Solid
Lab ID : 2409180-04

Sampled : 10/02/24 10:35
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS								
Benzene	ND	0.0049	mg/kg	1	B4J0164	10/04/24 12:44	EPA 8260B	
Bromobenzene	ND	0.0049	"	"	"	"	"	
Bromochloromethane	ND	0.0049	"	"	"	"	"	
Bromodichloromethane	ND	0.0049	"	"	"	"	"	
Bromoform	ND	0.0049	"	"	"	"	"	
Bromomethane	ND	0.0049	"	"	"	"	"	
n-Butylbenzene	ND	0.0049	"	"	"	"	"	
sec-Butylbenzene	ND	0.0049	"	"	"	"	"	
tert-Butylbenzene	ND	0.0049	"	"	"	"	"	
Carbon tetrachloride	ND	0.0049	"	"	"	"	"	
Chlorobenzene	ND	0.0049	"	"	"	"	"	
Chloroethane	ND	0.0049	"	"	"	"	"	
Chloroform	ND	0.0049	"	"	"	"	"	
Chloromethane	ND	0.0049	"	"	"	"	"	
2-Chlorotoluene	ND	0.0049	"	"	"	"	"	
4-Chlorotoluene	ND	0.0049	"	"	"	"	"	
Dibromochloromethane	ND	0.0049	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0049	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0049	"	"	"	"	"	
Dibromomethane	ND	0.0049	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0049	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0049	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0049	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0049	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0049	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0049	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0049	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0049	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0049	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0049	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0049	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0049	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0049	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0049	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0049	"	"	"	"	"	
Ethylbenzene	ND	0.0049	"	"	"	"	"	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-2@3'**
Matrix : Solid
Lab ID : 2409180-04

Sampled : 10/02/24 10:35
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS (Continued)								
Hexachlorobutadiene	ND	0.0049	mg/kg	1	B4J0164	10/04/24 12:44	EPA 8260B	
4-Isopropyl Toluene	ND	0.0049	"	"	"	"	"	
Isopropylbenzene	ND	0.0049	"	"	"	"	"	
Methylene chloride	ND	0.0049	"	"	"	"	"	
Naphthalene	ND	0.0049	"	"	"	"	"	
n-Propylbenzene	ND	0.0049	"	"	"	"	"	
Styrene	ND	0.0049	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0049	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0049	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0049	"	"	"	"	"	
Toluene	ND	0.0049	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0049	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0049	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0049	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0049	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0049	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0049	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0049	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0049	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0049	"	"	"	"	"	
Vinyl chloride	ND	0.0049	"	"	"	"	"	
Xylenes (total)	ND	0.0049	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*(78 - 125)*		"	"	"	
Surrogate: Toluene-d8		*97 %*	*(68 - 130)*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*96 %*	*(69 - 122)*		"	"	"	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-2@5'**
Matrix : Solid
Lab ID : 2409180-05

Sampled : 10/02/24 10:45
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Total Metals by CVAA								
Mercury	ND	0.089	mg/kg	1	B4J0259	10/08/24 13:50	EPA 7471A	
Total Metals by ICP								
Antimony	ND	2.4	mg/kg	1	B4J0146	10/07/24 16:54	EPA 6010B	
Arsenic	**6.6**	2.0	"	"	"	"	"	
Barium	**90**	0.98	"	"	"	"	"	
Beryllium	**0.56**	0.49	"	"	"	"	"	
Cadmium	ND	0.24	"	"	"	"	"	
Chromium	**20**	0.49	"	"	"	"	"	
Cobalt	**7.2**	0.49	"	"	"	"	"	
Copper	**27**	0.98	"	"	"	"	"	
Lead	**11**	0.49	"	"	"	"	"	
Molybdenum	**1.5**	0.49	"	"	"	"	"	
Nickel	**26**	0.49	"	"	"	"	"	
Selenium	ND	2.0	"	"	"	"	"	
Silver	ND	0.49	"	"	"	"	"	
Thallium	ND	0.98	"	"	"	"	"	
Vanadium	**26**	2.0	"	"	"	"	"	
Zinc	**59**	2.0	"	"	"	"	"	
Volatile Organic TPH by GC/FID								
TPH Gasoline (C5-C12)	ND	0.49	mg/kg	1	B4J0214	10/06/24 02:48	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		*89 %*	*(33 - 158)*		"	"	"	
Semi-Volatile Organic TPH by GC/FID								
TPH Diesel (C13-C22)	ND	10	mg/kg	1	B4J0311	10/09/24 18:31	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	
Surrogate: o-Terphenyl		*95 %*	*(34 - 166)*		"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-2@5'**
Matrix : Solid
Lab ID : 2409180-05

Sampled : 10/02/24 10:45
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS								
Benzene	ND	0.0050	mg/kg	1	B4J0164	10/04/24 13:09	EPA 8260B	
Bromobenzene	ND	0.0050	"	"	"	"	"	
Bromochloromethane	ND	0.0050	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-2@5'**
Matrix : Solid
Lab ID : 2409180-05

Sampled : 10/02/24 10:45
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS (Continued)								
Hexachlorobutadiene	ND	0.0050	mg/kg	1	B4J0164	10/04/24 13:09	EPA 8260B	
4-Isopropyl Toluene	ND	0.0050	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0050	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0050	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*	*(78 - 125)*		"	"	"	
Surrogate: Toluene-d8		*97 %*	*(68 - 130)*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*97 %*	*(69 - 122)*		"	"	"	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-2@5'**
Matrix : Solid
Lab ID : 2409180-05

Sampled : 10/02/24 10:45
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring								
Acenaphthene	ND	0.0050	mg/kg	1	B4J0238	10/08/24 00:23	EPA 8270-SIM	
Acenaphthylene	ND	0.0050	"	"	"	"	"	
Anthracene	ND	0.0050	"	"	"	"	"	
Benz (a) anthracene	ND	0.0050	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0050	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0050	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0050	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.0050	"	"	"	"	"	
Chrysene	ND	0.0050	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0050	"	"	"	"	"	
Fluoranthene	ND	0.0050	"	"	"	"	"	
Fluorene	ND	0.0050	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0050	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	
Phenanthrene	ND	0.0050	"	"	"	"	"	
Pyrene	ND	0.0050	"	"	"	"	"	
Surrogate: p-Terphenyl-d14		*130 %*	*(24 - 189)*		*"*	*"*	*"*	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-2@10'**
Matrix : Solid
Lab ID : 2409180-06

Sampled : 10/02/24 10:50
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Total Metals by CVAA								
Mercury	ND	0.083	mg/kg	1	B4J0259	10/08/24 13:52	EPA 7471A	
Total Metals by ICP								
Antimony	ND	2.3	mg/kg	1	B4J0176	10/08/24 11:31	EPA 6010B	
Arsenic	**5.7**	1.9	"	"	"	"	"	
Barium	**44**	0.93	"	"	"	"	"	
Beryllium	ND	0.47	"	"	"	"	"	
Cadmium	ND	0.23	"	"	"	"	"	
Chromium	**24**	0.47	"	"	"	"	"	
Cobalt	**5.3**	0.47	"	"	"	"	"	
Copper	**12**	0.93	"	"	"	"	"	
Lead	**3.7**	0.47	"	"	"	"	"	
Molybdenum	**0.77**	0.47	"	"	"	"	"	
Nickel	**20**	0.47	"	"	"	"	"	
Selenium	ND	1.9	"	"	"	"	"	
Silver	ND	0.47	"	"	"	"	"	
Thallium	ND	0.93	"	"	"	"	"	
Vanadium	**27**	1.9	"	"	"	"	"	
Zinc	**24**	1.9	"	"	"	"	"	
Volatile Organic TPH by GC/FID								
TPH Gasoline (C5-C12)	ND	0.50	mg/kg	1	B4J0214	10/06/24 03:16	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		*91 %*	*(33 - 158)*		"	"	"	
Semi-Volatile Organic TPH by GC/FID								
TPH Diesel (C13-C22)	ND	10	mg/kg	1	B4J0311	10/09/24 16:32	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	
Surrogate: o-Terphenyl		*98 %*	*(34 - 166)*		"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-2@10'**
Matrix : Solid
Lab ID : 2409180-06

Sampled : 10/02/24 10:50
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS								
Benzene	ND	0.0050	mg/kg	1	B4J0164	10/04/24 13:35	EPA 8260B	
Bromobenzene	ND	0.0050	"	"	"	"	"	
Bromochloromethane	ND	0.0050	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-2@10'**
Matrix : Solid
Lab ID : 2409180-06

Sampled : 10/02/24 10:50
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS (Continued)								
Hexachlorobutadiene	ND	0.0050	mg/kg	1	B4J0164	10/04/24 13:35	EPA 8260B	
4-Isopropyl Toluene	ND	0.0050	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0050	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0050	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*	*(78 - 125)*		"	"	"	
Surrogate: Toluene-d8		*96 %*	*(68 - 130)*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*95 %*	*(69 - 122)*		"	"	"	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-2@10'**
Matrix : Solid
Lab ID : 2409180-06

Sampled : 10/02/24 10:50
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring								
Acenaphthene	ND	0.0050	mg/kg	1	B4J0238	10/08/24 00:45	EPA 8270-SIM	
Acenaphthylene	ND	0.0050	"	"	"	"	"	
Anthracene	ND	0.0050	"	"	"	"	"	
Benz (a) anthracene	ND	0.0050	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0050	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0050	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0050	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.0050	"	"	"	"	"	
Chrysene	ND	0.0050	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0050	"	"	"	"	"	
Fluoranthene	ND	0.0050	"	"	"	"	"	
Fluorene	ND	0.0050	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0050	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	
Phenanthrene	ND	0.0050	"	"	"	"	"	
Pyrene	ND	0.0050	"	"	"	"	"	
Surrogate: p-Terphenyl-d14		*135 %*	*(24 - 189)*		*"*	*"*	*"*	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-2@15'**
Matrix : Solid
Lab ID : 2409180-07

Sampled : 10/02/24 11:05
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Total Metals by CVAA								
Mercury	ND	0.081	mg/kg	1	B4J0260	10/08/24 14:23	EPA 7471A	
Total Metals by ICP								
Antimony	ND	2.4	mg/kg	1	B4J0176	10/08/24 11:26	EPA 6010B	
Arsenic	ND	1.9	"	"	"	"	"	
Barium	**15**	0.97	"	"	"	"	"	
Beryllium	ND	0.49	"	"	"	"	"	
Cadmium	ND	0.24	"	"	"	"	"	
Chromium	**8.7**	0.49	"	"	"	"	"	
Cobalt	**3.2**	0.49	"	"	"	"	"	
Copper	**5.1**	0.97	"	"	"	"	"	
Lead	**1.7**	0.49	"	"	"	"	"	
Molybdenum	**0.54**	0.49	"	"	"	"	"	
Nickel	**11**	0.49	"	"	"	"	"	
Selenium	ND	1.9	"	"	"	"	"	
Silver	ND	0.49	"	"	"	"	"	
Thallium	ND	0.97	"	"	"	"	"	
Vanadium	**10**	1.9	"	"	"	"	"	
Zinc	**11**	1.9	"	"	"	"	"	
Volatile Organic TPH by GC/FID								
TPH Gasoline (C5-C12)	ND	0.49	mg/kg	1	B4J0214	10/06/24 03:44	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		*91 %*	*(33 - 158)*		"	"	"	
Semi-Volatile Organic TPH by GC/FID								
TPH Diesel (C13-C22)	ND	10	mg/kg	1	B4J0311	10/09/24 12:11	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	
Surrogate: o-Terphenyl		*97 %*	*(34 - 166)*		"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-2@15'**
Matrix : Solid
Lab ID : 2409180-07

Sampled : 10/02/24 11:05
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS								
Benzene	ND	0.0050	mg/kg	1	B4J0164	10/04/24 14:00	EPA 8260B	
Bromobenzene	ND	0.0050	"	"	"	"	"	
Bromochloromethane	ND	0.0050	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-2@15'**
Matrix : Solid
Lab ID : 2409180-07

Sampled : 10/02/24 11:05
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS (Continued)								
Hexachlorobutadiene	ND	0.0050	mg/kg	1	B4J0164	10/04/24 14:00	EPA 8260B	
4-Isopropyl Toluene	ND	0.0050	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0050	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0050	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*97 %*	*(78 - 125)*		"	"	"	
Surrogate: Toluene-d8		*98 %*	*(68 - 130)*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*97 %*	*(69 - 122)*		"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-3@1'**
Matrix : Solid
Lab ID : 2409180-08

Sampled : 10/02/24 08:00
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Total Metals by CVAA								
Mercury	ND	0.096	mg/kg	1	B4J0260	10/08/24 14:25	EPA 7471A	
Total Metals by ICP								
Antimony	ND	2.4	mg/kg	1	B4J0176	10/08/24 11:34	EPA 6010B	
Arsenic	**3.4**	1.9	"	"	"	"	"	
Barium	**140**	0.95	"	"	"	"	"	
Beryllium	ND	0.48	"	"	"	"	"	
Cadmium	ND	0.24	"	"	"	"	"	
Chromium	**19**	0.48	"	"	"	"	"	
Cobalt	**10**	0.48	"	"	"	"	"	
Copper	**10**	0.95	"	"	"	"	"	
Lead	**6.8**	0.48	"	"	"	"	"	
Molybdenum	**0.90**	0.48	"	"	"	"	"	
Nickel	**18**	0.48	"	"	"	"	"	
Selenium	ND	1.9	"	"	"	"	"	
Silver	ND	0.48	"	"	"	"	"	
Thallium	ND	0.95	"	"	"	"	"	
Vanadium	**27**	1.9	"	"	"	"	"	
Zinc	**23**	1.9	"	"	"	"	"	
Volatile Organic TPH by GC/FID								
TPH Gasoline (C5-C12)	ND	0.50	mg/kg	1	B4J0214	10/06/24 04:12	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		*85 %*	*(33 - 158)*		"	"	"	
Semi-Volatile Organic TPH by GC/FID								
TPH Diesel (C13-C22)	ND	10	mg/kg	1	B4J0311	10/09/24 18:31	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	
Surrogate: o-Terphenyl		*105 %*	*(34 - 166)*		"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-3@1'**
Matrix : Solid
Lab ID : 2409180-08

Sampled : 10/02/24 08:00
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS								
Benzene	ND	0.0050	mg/kg	1	B4J0164	10/04/24 14:25	EPA 8260B	
Bromobenzene	ND	0.0050	"	"	"	"	"	
Bromochloromethane	ND	0.0050	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-3@1'**
Matrix : Solid
Lab ID : 2409180-08

Sampled : 10/02/24 08:00
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS (Continued)								
Hexachlorobutadiene	ND	0.0050	mg/kg	1	B4J0164	10/04/24 14:25	EPA 8260B	
4-Isopropyl Toluene	ND	0.0050	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0050	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0050	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*106 %*	*(78 - 125)*		"	"	"	
Surrogate: Toluene-d8		*98 %*	*(68 - 130)*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*97 %*	*(69 - 122)*		"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-3@5'**
Matrix : Solid
Lab ID : 2409180-09

Sampled : 10/02/24 08:10
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Total Metals by CVAA								
Mercury	ND	0.079	mg/kg	1	B4J0260	10/08/24 14:27	EPA 7471A	
Total Metals by ICP								
Antimony	ND	2.5	mg/kg	1	B4J0176	10/08/24 11:36	EPA 6010B	
Arsenic	**5.7**	2.0	"	"	"	"	"	
Barium	**97**	1.0	"	"	"	"	"	
Beryllium	ND	0.50	"	"	"	"	"	
Cadmium	ND	0.25	"	"	"	"	"	
Chromium	**23**	0.50	"	"	"	"	"	
Cobalt	**6.6**	0.50	"	"	"	"	"	
Copper	**15**	1.0	"	"	"	"	"	
Lead	**7.6**	0.50	"	"	"	"	"	
Molybdenum	**0.85**	0.50	"	"	"	"	"	
Nickel	**17**	0.50	"	"	"	"	"	
Selenium	ND	2.0	"	"	"	"	"	
Silver	ND	0.50	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	
Vanadium	**26**	2.0	"	"	"	"	"	
Zinc	**34**	2.0	"	"	"	"	"	
Volatile Organic TPH by GC/FID								
TPH Gasoline (C5-C12)	ND	0.50	mg/kg	1	B4J0214	10/06/24 04:41	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		*92 %*	*(33 - 158)*		"	"	"	
Semi-Volatile Organic TPH by GC/FID								
TPH Diesel (C13-C22)	ND	9.9	mg/kg	1	B4J0311	10/09/24 18:51	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	
Surrogate: o-Terphenyl		*95 %*	*(34 - 166)*		"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-3@5'**
Matrix : Solid
Lab ID : 2409180-09

Sampled : 10/02/24 08:10
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS								
Benzene	ND	0.0050	mg/kg	1	B4J0164	10/04/24 14:50	EPA 8260B	
Bromobenzene	ND	0.0050	"	"	"	"	"	
Bromochloromethane	ND	0.0050	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-3@5'**
Matrix : Solid
Lab ID : 2409180-09

Sampled : 10/02/24 08:10
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS (Continued)								
Hexachlorobutadiene	ND	0.0050	mg/kg	1	B4J0164	10/04/24 14:50	EPA 8260B	
4-Isopropyl Toluene	ND	0.0050	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0050	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0050	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*97 %*	*(78 - 125)*		"	"	"	
Surrogate: Toluene-d8		*100 %*	*(68 - 130)*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*97 %*	*(69 - 122)*		"	"	"	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-3@15'**
Matrix : Solid
Lab ID : 2409180-10

Sampled : 10/02/24 08:20
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Total Metals by CVAA								
Mercury	ND	0.085	mg/kg	1	B4J0260	10/08/24 14:34	EPA 7471A	
Total Metals by ICP								
Antimony	ND	2.5	mg/kg	1	B4J0176	10/08/24 11:39	EPA 6010B	
Arsenic	**3.4**	2.0	"	"	"	"	"	
Barium	**56**	1.0	"	"	"	"	"	
Beryllium	ND	0.50	"	"	"	"	"	
Cadmium	ND	0.25	"	"	"	"	"	
Chromium	**15**	0.50	"	"	"	"	"	
Cobalt	**6.6**	0.50	"	"	"	"	"	
Copper	**9.2**	1.0	"	"	"	"	"	
Lead	**4.3**	0.50	"	"	"	"	"	
Molybdenum	**0.52**	0.50	"	"	"	"	"	
Nickel	**23**	0.50	"	"	"	"	"	
Selenium	ND	2.0	"	"	"	"	"	
Silver	ND	0.50	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	
Vanadium	**19**	2.0	"	"	"	"	"	
Zinc	**23**	2.0	"	"	"	"	"	
Volatile Organic TPH by GC/FID								
TPH Gasoline (C5-C12)	ND	0.50	mg/kg	1	B4J0214	10/06/24 05:09	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		*89 %*	*(33 - 158)*		"	"	"	
Semi-Volatile Organic TPH by GC/FID								
TPH Diesel (C13-C22)	ND	10	mg/kg	1	B4J0311	10/09/24 18:51	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	
Surrogate: o-Terphenyl		*104 %*	*(34 - 166)*		"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-3@15'**
Matrix : Solid
Lab ID : 2409180-10

Sampled : 10/02/24 08:20
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS								
Benzene	ND	0.0050	mg/kg	1	B4J0164	10/04/24 15:15	EPA 8260B	
Bromobenzene	ND	0.0050	"	"	"	"	"	
Bromochloromethane	ND	0.0050	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-3@15'**
Matrix : Solid
Lab ID : 2409180-10

Sampled : 10/02/24 08:20
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS (Continued)								
Hexachlorobutadiene	ND	0.0050	mg/kg	1	B4J0164	10/04/24 15:15	EPA 8260B	
4-Isopropyl Toluene	ND	0.0050	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0050	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0050	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*	*(78 - 125)*		"	"	"	
Surrogate: Toluene-d8		*97 %*	*(68 - 130)*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*95 %*	*(69 - 122)*		"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-4@3'**
Matrix : 1650
Lab ID : 2409180-11

Sampled : 10/02/24 17:25
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Total Metals by CVAA								
Mercury	ND	0.093	mg/kg	1	B4J0260	10/08/24 14:36	EPA 7471A	
Total Metals by ICP								
Antimony	ND	2.4	mg/kg	1	B4J0176	10/08/24 11:42	EPA 6010B	
Arsenic	**4.9**	1.9	"	"	"	"	"	
Barium	**84**	0.97	"	"	"	"	"	
Beryllium	ND	0.48	"	"	"	"	"	
Cadmium	ND	0.24	"	"	"	"	"	
Chromium	**22**	0.48	"	"	"	"	"	
Cobalt	**6.0**	0.48	"	"	"	"	"	
Copper	**13**	0.97	"	"	"	"	"	
Lead	**7.9**	0.48	"	"	"	"	"	
Molybdenum	**0.71**	0.48	"	"	"	"	"	
Nickel	**25**	0.48	"	"	"	"	"	
Selenium	ND	1.9	"	"	"	"	"	
Silver	ND	0.48	"	"	"	"	"	
Thallium	ND	0.97	"	"	"	"	"	
Vanadium	**29**	1.9	"	"	"	"	"	
Zinc	**31**	1.9	"	"	"	"	"	
Volatile Organic TPH by GC/FID								
TPH Gasoline (C5-C12)	ND	0.49	mg/kg	1	B4J0214	10/06/24 07:02	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		*93 %*	*(33 - 158)*		"	"	"	
Semi-Volatile Organic TPH by GC/FID								
TPH Diesel (C13-C22)	ND	10	mg/kg	1	B4J0311	10/09/24 19:11	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	
Surrogate: o-Terphenyl		*92 %*	*(34 - 166)*		"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-4@3'**
Matrix : 1650
Lab ID : 2409180-11

Sampled : 10/02/24 17:25
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS								
Benzene	ND	0.0050	mg/kg	1	B4J0164	10/04/24 15:41	EPA 8260B	
Bromobenzene	ND	0.0050	"	"	"	"	"	
Bromochloromethane	ND	0.0050	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-4@3'**
Matrix : 1650
Lab ID : 2409180-11

Sampled : 10/02/24 17:25
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS (Continued)								
Hexachlorobutadiene	ND	0.0050	mg/kg	1	B4J0164	10/04/24 15:41	EPA 8260B	
4-Isopropyl Toluene	ND	0.0050	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0050	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0050	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*99 %*	*(78 - 125)*		"	"	"	
Surrogate: Toluene-d8		*96 %*	*(68 - 130)*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*96 %*	*(69 - 122)*		"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-4@5'**
Matrix : Solid
Lab ID : 2409180-12

Sampled : 10/02/24 17:30
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Total Metals by CVAA								
Mercury	ND	0.091	mg/kg	1	B4J0260	10/08/24 14:38	EPA 7471A	
Total Metals by ICP								
Antimony	ND	2.4	mg/kg	1	B4J0176	10/08/24 11:53	EPA 6010B	
Arsenic	**3.8**	1.9	"	"	"	"	"	
Barium	**89**	0.95	"	"	"	"	"	
Beryllium	ND	0.48	"	"	"	"	"	
Cadmium	ND	0.24	"	"	"	"	"	
Chromium	**21**	0.48	"	"	"	"	"	
Cobalt	**5.8**	0.48	"	"	"	"	"	
Copper	**11**	0.95	"	"	"	"	"	
Lead	**4.9**	0.48	"	"	"	"	"	
Molybdenum	**0.61**	0.48	"	"	"	"	"	
Nickel	**20**	0.48	"	"	"	"	"	
Selenium	ND	1.9	"	"	"	"	"	
Silver	ND	0.48	"	"	"	"	"	
Thallium	ND	0.95	"	"	"	"	"	
Vanadium	**25**	1.9	"	"	"	"	"	
Zinc	**25**	1.9	"	"	"	"	"	
Volatile Organic TPH by GC/FID								
TPH Gasoline (C5-C12)	ND	0.50	mg/kg	1	B4J0214	10/06/24 07:31	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		*91 %*	*(33 - 158)*		"	"	"	
Semi-Volatile Organic TPH by GC/FID								
TPH Diesel (C13-C22)	ND	10	mg/kg	1	B4J0311	10/09/24 19:11	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	
Surrogate: o-Terphenyl		*99 %*	*(34 - 166)*		"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-4@5'**
Matrix : Solid
Lab ID : 2409180-12

Sampled : 10/02/24 17:30
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS								
Benzene	ND	0.0050	mg/kg	1	B4J0164	10/04/24 16:06	EPA 8260B	
Bromobenzene	ND	0.0050	"	"	"	"	"	
Bromochloromethane	ND	0.0050	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-4@5'**
Matrix : Solid
Lab ID : 2409180-12

Sampled : 10/02/24 17:30
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS (Continued)								
Hexachlorobutadiene	ND	0.0050	mg/kg	1	B4J0164	10/04/24 16:06	EPA 8260B	
4-Isopropyl Toluene	ND	0.0050	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0050	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0050	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*	*(78 - 125)*		"	"	"	
Surrogate: Toluene-d8		*89 %*	*(68 - 130)*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*(69 - 122)*		"	"	"	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-5@3'**
Matrix : Solid
Lab ID : 2409180-13

Sampled : 10/02/24 16:35
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Total Metals by CVAA								
Mercury	ND	0.085	mg/kg	1	B4J0260	10/08/24 14:40	EPA 7471A	
Total Metals by ICP								
Antimony	ND	2.4	mg/kg	1	B4J0176	10/08/24 11:55	EPA 6010B	
Arsenic	**3.0**	1.9	"	"	"	"	"	
Barium	**140**	0.96	"	"	"	"	"	
Beryllium	ND	0.48	"	"	"	"	"	
Cadmium	ND	0.24	"	"	"	"	"	
Chromium	**16**	0.48	"	"	"	"	"	
Cobalt	**11**	0.48	"	"	"	"	"	
Copper	**9.5**	0.96	"	"	"	"	"	
Lead	**7.2**	0.48	"	"	"	"	"	
Molybdenum	**1.1**	0.48	"	"	"	"	"	
Nickel	**14**	0.48	"	"	"	"	"	
Selenium	ND	1.9	"	"	"	"	"	
Silver	ND	0.48	"	"	"	"	"	
Thallium	ND	0.96	"	"	"	"	"	
Vanadium	**25**	1.9	"	"	"	"	"	
Zinc	**18**	1.9	"	"	"	"	"	
Volatile Organic TPH by GC/FID								
TPH Gasoline (C5-C12)	ND	0.50	mg/kg	1	B4J0214	10/06/24 07:59	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		*81 %*	*(33 - 158)*		"	"	"	
Semi-Volatile Organic TPH by GC/FID								
TPH Diesel (C13-C22)	ND	10	mg/kg	1	B4J0311	10/09/24 19:30	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	
Surrogate: o-Terphenyl		*90 %*	*(34 - 166)*		"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-5@3'**
Matrix : Solid
Lab ID : 2409180-13

Sampled : 10/02/24 16:35
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS								
Benzene	ND	0.0050	mg/kg	1	B4J0164	10/04/24 16:31	EPA 8260B	
Bromobenzene	ND	0.0050	"	"	"	"	"	
Bromochloromethane	ND	0.0050	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-5@3'**
Matrix : Solid
Lab ID : 2409180-13

Sampled : 10/02/24 16:35
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS (Continued)								
Hexachlorobutadiene	ND	0.0050	mg/kg	1	B4J0164	10/04/24 16:31	EPA 8260B	
4-Isopropyl Toluene	ND	0.0050	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0050	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0050	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*99 %*	*(78 - 125)*		"	"	"	
Surrogate: Toluene-d8		*96 %*	*(68 - 130)*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*94 %*	*(69 - 122)*		"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-5@5'**
Matrix : Solid
Lab ID : 2409180-14

Sampled : 10/02/24 16:45
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Total Metals by CVAA								
Mercury	ND	0.091	mg/kg	1	B4J0260	10/08/24 14:42	EPA 7471A	
Total Metals by ICP								
Antimony	ND	2.4	mg/kg	1	B4J0176	10/08/24 11:58	EPA 6010B	
Arsenic	**3.8**	1.9	"	"	"	"	"	
Barium	**120**	0.96	"	"	"	"	"	
Beryllium	ND	0.48	"	"	"	"	"	
Cadmium	ND	0.24	"	"	"	"	"	
Chromium	**22**	0.48	"	"	"	"	"	
Cobalt	**12**	0.48	"	"	"	"	"	
Copper	**9.4**	0.96	"	"	"	"	"	
Lead	**8.0**	0.48	"	"	"	"	"	
Molybdenum	**1.3**	0.48	"	"	"	"	"	
Nickel	**16**	0.48	"	"	"	"	"	
Selenium	ND	1.9	"	"	"	"	"	
Silver	ND	0.48	"	"	"	"	"	
Thallium	ND	0.96	"	"	"	"	"	
Vanadium	**30**	1.9	"	"	"	"	"	
Zinc	**21**	1.9	"	"	"	"	"	
Volatile Organic TPH by GC/FID								
TPH Gasoline (C5-C12)	ND	0.49	mg/kg	1	B4J0214	10/06/24 08:28	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		*89 %*	*(33 - 158)*		"	"	"	
Semi-Volatile Organic TPH by GC/FID								
TPH Diesel (C13-C22)	ND	10	mg/kg	1	B4J0311	10/09/24 19:30	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	
Surrogate: o-Terphenyl		*101 %*	*(34 - 166)*		"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-5@5'**
Matrix : Solid
Lab ID : 2409180-14

Sampled : 10/02/24 16:45
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS								
Benzene	ND	0.0050	mg/kg	1	B4J0164	10/04/24 16:57	EPA 8260B	
Bromobenzene	ND	0.0050	"	"	"	"	"	
Bromochloromethane	ND	0.0050	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-5@5'**
Matrix : Solid
Lab ID : 2409180-14

Sampled : 10/02/24 16:45
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS (Continued)								
Hexachlorobutadiene	ND	0.0050	mg/kg	1	B4J0164	10/04/24 16:57	EPA 8260B	
4-Isopropyl Toluene	ND	0.0050	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0050	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0050	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*	*(78 - 125)*		"	"	"	
Surrogate: Toluene-d8		*98 %*	*(68 - 130)*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*96 %*	*(69 - 122)*		"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-5@10'**
Matrix : Solid
Lab ID : 2409180-15

Sampled : 10/02/24 16:50
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Total Metals by CVAA								
Mercury	ND	0.098	mg/kg	1	B4J0260	10/08/24 14:44	EPA 7471A	
Total Metals by ICP								
Antimony	ND	2.3	mg/kg	1	B4J0176	10/08/24 12:01	EPA 6010B	
Arsenic	**2.9**	1.9	"	"	"	"	"	
Barium	**44**	0.93	"	"	"	"	"	
Beryllium	ND	0.46	"	"	"	"	"	
Cadmium	ND	0.23	"	"	"	"	"	
Chromium	**21**	0.46	"	"	"	"	"	
Cobalt	**3.7**	0.46	"	"	"	"	"	
Copper	**10**	0.93	"	"	"	"	"	
Lead	**4.6**	0.46	"	"	"	"	"	
Molybdenum	**0.48**	0.46	"	"	"	"	"	
Nickel	**17**	0.46	"	"	"	"	"	
Selenium	ND	1.9	"	"	"	"	"	
Silver	ND	0.46	"	"	"	"	"	
Thallium	ND	0.93	"	"	"	"	"	
Vanadium	**21**	1.9	"	"	"	"	"	
Zinc	**25**	1.9	"	"	"	"	"	
Volatile Organic TPH by GC/FID								
TPH Gasoline (C5-C12)	ND	0.49	mg/kg	1	B4J0214	10/06/24 08:56	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		*89 %*	*(33 - 158)*		"	"	"	
Semi-Volatile Organic TPH by GC/FID								
TPH Diesel (C13-C22)	ND	10	mg/kg	1	B4J0311	10/09/24 19:49	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	
Surrogate: o-Terphenyl		*87 %*	*(34 - 166)*		"	"	"	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-5@10'**
Matrix : Solid
Lab ID : 2409180-15

Sampled : 10/02/24 16:50
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS								
Benzene	ND	0.0050	mg/kg	1	B4J0164	10/04/24 17:22	EPA 8260B	
Bromobenzene	ND	0.0050	"	"	"	"	"	
Bromochloromethane	ND	0.0050	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-5@10'**
Matrix : Solid
Lab ID : 2409180-15

Sampled : 10/02/24 16:50
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS (Continued)								
Hexachlorobutadiene	ND	0.0050	mg/kg	1	B4J0164	10/04/24 17:22	EPA 8260B	
4-Isopropyl Toluene	ND	0.0050	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0050	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0050	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*(78 - 125)*		"	"	"	
Surrogate: Toluene-d8		*95 %*	*(68 - 130)*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*96 %*	*(69 - 122)*		"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-6@3'**
Matrix : Solid
Lab ID : 2409180-16

Sampled : 10/02/24 13:55
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Total Metals by CVAA								
Mercury	ND	0.098	mg/kg	1	B4J0260	10/08/24 14:47	EPA 7471A	
Total Metals by ICP								
Antimony	ND	2.4	mg/kg	1	B4J0176	10/08/24 12:04	EPA 6010B	
Arsenic	**18**	1.9	"	"	"	"	"	
Barium	**220**	0.97	"	"	"	"	"	
Beryllium	ND	0.48	"	"	"	"	"	
Cadmium	ND	0.24	"	"	"	"	"	
Chromium	**27**	0.48	"	"	"	"	"	
Cobalt	**12**	0.48	"	"	"	"	"	
Copper	**18**	0.97	"	"	"	"	"	
Lead	**31**	0.48	"	"	"	"	"	
Molybdenum	**2.0**	0.48	"	"	"	"	"	
Nickel	**15**	0.48	"	"	"	"	"	
Selenium	ND	1.9	"	"	"	"	"	
Silver	ND	0.48	"	"	"	"	"	
Thallium	ND	0.97	"	"	"	"	"	
Vanadium	**38**	1.9	"	"	"	"	"	
Zinc	**56**	1.9	"	"	"	"	"	
Volatile Organic TPH by GC/FID								
TPH Gasoline (C5-C12)	ND	0.50	mg/kg	1	B4J0214	10/06/24 09:25	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		*77 %*	*(33 - 158)*		"	"	"	
Semi-Volatile Organic TPH by GC/FID								
TPH Diesel (C13-C22)	ND	10	mg/kg	1	B4J0311	10/09/24 19:49	EPA 8015M	
TPH Motor Oil (C23-C40)	**50**	50	"	"	"	"	"	
Surrogate: o-Terphenyl		*111 %*	*(34 - 166)*		"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-6@3'**
Matrix : Solid
Lab ID : 2409180-16

Sampled : 10/02/24 13:55
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS								
Benzene	ND	0.0050	mg/kg	1	B4J0164	10/04/24 17:47	EPA 8260B	
Bromobenzene	ND	0.0050	"	"	"	"	"	
Bromochloromethane	ND	0.0050	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-6@3'**
Matrix : Solid
Lab ID : 2409180-16

Sampled : 10/02/24 13:55
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS (Continued)								
Hexachlorobutadiene	ND	0.0050	mg/kg	1	B4J0164	10/04/24 17:47	EPA 8260B	
4-Isopropyl Toluene	ND	0.0050	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0050	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0050	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*(78 - 125)*		"	"	"	
Surrogate: Toluene-d8		*97 %*	*(68 - 130)*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*93 %*	*(69 - 122)*		"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-6@5'**
Matrix : Solid
Lab ID : 2409180-17

Sampled : 10/02/24 13:58
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Total Metals by CVAA								
Mercury	ND	0.095	mg/kg	1	B4J0260	10/08/24 14:49	EPA 7471A	
Total Metals by ICP								
Antimony	ND	2.3	mg/kg	1	B4J0176	10/08/24 12:06	EPA 6010B	
Arsenic	**5.7**	1.9	"	"	"	"	"	
Barium	**79**	0.94	"	"	"	"	"	
Beryllium	**0.51**	0.47	"	"	"	"	"	
Cadmium	ND	0.23	"	"	"	"	"	
Chromium	**25**	0.47	"	"	"	"	"	
Cobalt	**5.0**	0.47	"	"	"	"	"	
Copper	**13**	0.94	"	"	"	"	"	
Lead	**9.9**	0.47	"	"	"	"	"	
Molybdenum	**0.99**	0.47	"	"	"	"	"	
Nickel	**16**	0.47	"	"	"	"	"	
Selenium	ND	1.9	"	"	"	"	"	
Silver	ND	0.47	"	"	"	"	"	
Thallium	ND	0.94	"	"	"	"	"	
Vanadium	**34**	1.9	"	"	"	"	"	
Zinc	**30**	1.9	"	"	"	"	"	
Volatile Organic TPH by GC/FID								
TPH Gasoline (C5-C12)	ND	0.49	mg/kg	1	B4J0214	10/06/24 09:53	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		*92 %*	*(33 - 158)*		"	"	"	
Semi-Volatile Organic TPH by GC/FID								
TPH Diesel (C13-C22)	ND	10	mg/kg	1	B4J0311	10/09/24 20:09	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	
Surrogate: o-Terphenyl		*90 %*	*(34 - 166)*		"	"	"	

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.

Campbell Geo, Inc.
327A East Haley Street
Santa Barbara CA, 93101

Project: Sandpiper
Project Number: [none]
Project Manager: Steve Campbell

WO & Reported:
2409180
10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-6@5'**
Matrix : Solid
Lab ID : 2409180-17

Sampled : 10/02/24 13:58
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS								
Benzene	ND	0.0049	mg/kg	1	B4J0164	10/04/24 18:12	EPA 8260B	
Bromobenzene	ND	0.0049	"	"	"	"	"	
Bromochloromethane	ND	0.0049	"	"	"	"	"	
Bromodichloromethane	ND	0.0049	"	"	"	"	"	
Bromoform	ND	0.0049	"	"	"	"	"	
Bromomethane	ND	0.0049	"	"	"	"	"	
n-Butylbenzene	ND	0.0049	"	"	"	"	"	
sec-Butylbenzene	ND	0.0049	"	"	"	"	"	
tert-Butylbenzene	ND	0.0049	"	"	"	"	"	
Carbon tetrachloride	ND	0.0049	"	"	"	"	"	
Chlorobenzene	ND	0.0049	"	"	"	"	"	
Chloroethane	ND	0.0049	"	"	"	"	"	
Chloroform	ND	0.0049	"	"	"	"	"	
Chloromethane	ND	0.0049	"	"	"	"	"	
2-Chlorotoluene	ND	0.0049	"	"	"	"	"	
4-Chlorotoluene	ND	0.0049	"	"	"	"	"	
Dibromochloromethane	ND	0.0049	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0049	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0049	"	"	"	"	"	
Dibromomethane	ND	0.0049	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0049	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0049	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0049	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0049	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0049	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0049	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0049	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0049	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0049	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0049	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0049	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0049	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0049	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0049	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0049	"	"	"	"	"	
Ethylbenzene	ND	0.0049	"	"	"	"	"	

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.

Campbell Geo, Inc.
327A East Haley Street
Santa Barbara CA, 93101

Project: Sandpiper
Project Number: [none]
Project Manager: Steve Campbell

WO & Reported:
2409180
10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-6@5'**
Matrix : Solid
Lab ID : 2409180-17

Sampled : 10/02/24 13:58
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS (Continued)								
Hexachlorobutadiene	ND	0.0049	mg/kg	1	B4J0164	10/04/24 18:12	EPA 8260B	
4-Isopropyl Toluene	ND	0.0049	"	"	"	"	"	
Isopropylbenzene	ND	0.0049	"	"	"	"	"	
Methylene chloride	ND	0.0049	"	"	"	"	"	
Naphthalene	ND	0.0049	"	"	"	"	"	
n-Propylbenzene	ND	0.0049	"	"	"	"	"	
Styrene	ND	0.0049	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0049	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0049	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0049	"	"	"	"	"	
Toluene	ND	0.0049	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0049	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0049	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0049	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0049	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0049	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0049	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0049	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0049	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0049	"	"	"	"	"	
Vinyl chloride	ND	0.0049	"	"	"	"	"	
Xylenes (total)	ND	0.0049	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*100 %*	*(78 - 125)*		"	"	"	
Surrogate: Toluene-d8		*96 %*	*(68 - 130)*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*94 %*	*(69 - 122)*		"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-6@10'**
Matrix : Solid
Lab ID : 2409180-18

Sampled : 10/02/24 14:00
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Total Metals by CVAA								
Mercury	ND	0.098	mg/kg	1	B4J0260	10/08/24 14:51	EPA 7471A	
Total Metals by ICP								
Antimony	ND	2.3	mg/kg	1	B4J0176	10/08/24 12:09	EPA 6010B	
Arsenic	**4.8**	1.9	"	"	"	"	"	
Barium	**12**	0.93	"	"	"	"	"	
Beryllium	ND	0.47	"	"	"	"	"	
Cadmium	ND	0.23	"	"	"	"	"	
Chromium	**16**	0.47	"	"	"	"	"	
Cobalt	**2.3**	0.47	"	"	"	"	"	
Copper	**12**	0.93	"	"	"	"	"	
Lead	**4.7**	0.47	"	"	"	"	"	
Molybdenum	ND	0.47	"	"	"	"	"	
Nickel	**11**	0.47	"	"	"	"	"	
Selenium	ND	1.9	"	"	"	"	"	
Silver	ND	0.47	"	"	"	"	"	
Thallium	ND	0.93	"	"	"	"	"	
Vanadium	**22**	1.9	"	"	"	"	"	
Zinc	**23**	1.9	"	"	"	"	"	
Volatile Organic TPH by GC/FID								
TPH Gasoline (C5-C12)	ND	0.49	mg/kg	1	B4J0214	10/06/24 10:22	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		*92 %*	*(33 - 158)*		"	"	"	
Semi-Volatile Organic TPH by GC/FID								
TPH Diesel (C13-C22)	ND	10	mg/kg	1	B4J0311	10/09/24 20:09	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	
Surrogate: o-Terphenyl		*102 %*	*(34 - 166)*		"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-6@10'**
Matrix : Solid
Lab ID : 2409180-18

Sampled : 10/02/24 14:00
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS								
Benzene	ND	0.0049	mg/kg	1	B4J0164	10/04/24 18:37	EPA 8260B	
Bromobenzene	ND	0.0049	"	"	"	"	"	
Bromochloromethane	ND	0.0049	"	"	"	"	"	
Bromodichloromethane	ND	0.0049	"	"	"	"	"	
Bromoform	ND	0.0049	"	"	"	"	"	
Bromomethane	ND	0.0049	"	"	"	"	"	
n-Butylbenzene	ND	0.0049	"	"	"	"	"	
sec-Butylbenzene	ND	0.0049	"	"	"	"	"	
tert-Butylbenzene	ND	0.0049	"	"	"	"	"	
Carbon tetrachloride	ND	0.0049	"	"	"	"	"	
Chlorobenzene	ND	0.0049	"	"	"	"	"	
Chloroethane	ND	0.0049	"	"	"	"	"	
Chloroform	ND	0.0049	"	"	"	"	"	
Chloromethane	ND	0.0049	"	"	"	"	"	
2-Chlorotoluene	ND	0.0049	"	"	"	"	"	
4-Chlorotoluene	ND	0.0049	"	"	"	"	"	
Dibromochloromethane	ND	0.0049	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0049	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0049	"	"	"	"	"	
Dibromomethane	ND	0.0049	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0049	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0049	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0049	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0049	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0049	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0049	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0049	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0049	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0049	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0049	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0049	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0049	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0049	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0049	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0049	"	"	"	"	"	
Ethylbenzene	ND	0.0049	"	"	"	"	"	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-6@10'**
Matrix : Solid
Lab ID : 2409180-18

Sampled : 10/02/24 14:00
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS (Continued)								
Hexachlorobutadiene	ND	0.0049	mg/kg	1	B4J0164	10/04/24 18:37	EPA 8260B	
4-Isopropyl Toluene	ND	0.0049	"	"	"	"	"	
Isopropylbenzene	ND	0.0049	"	"	"	"	"	
Methylene chloride	ND	0.0049	"	"	"	"	"	
Naphthalene	ND	0.0049	"	"	"	"	"	
n-Propylbenzene	ND	0.0049	"	"	"	"	"	
Styrene	ND	0.0049	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0049	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0049	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0049	"	"	"	"	"	
Toluene	ND	0.0049	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0049	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0049	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0049	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0049	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0049	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0049	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0049	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0049	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0049	"	"	"	"	"	
Vinyl chloride	ND	0.0049	"	"	"	"	"	
Xylenes (total)	ND	0.0049	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*103 %*	*(78 - 125)*		"	"	"	
Surrogate: Toluene-d8		*97 %*	*(68 - 130)*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*95 %*	*(69 - 122)*		"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-7@3'**
Matrix : Solid
Lab ID : 2409180-19

Sampled : 10/02/24 15:20
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Total Metals by CVAA								
Mercury	ND	0.085	mg/kg	1	B4J0260	10/08/24 14:53	EPA 7471A	
Total Metals by ICP								
Antimony	ND	2.4	mg/kg	1	B4J0176	10/08/24 12:12	EPA 6010B	
Arsenic	**4.9**	1.9	"	"	"	"	"	
Barium	**190**	0.96	"	"	"	"	"	
Beryllium	**0.76**	0.48	"	"	"	"	"	
Cadmium	ND	0.24	"	"	"	"	"	
Chromium	**25**	0.48	"	"	"	"	"	
Cobalt	**12**	0.48	"	"	"	"	"	
Copper	**16**	0.96	"	"	"	"	"	
Lead	**9.6**	0.48	"	"	"	"	"	
Molybdenum	**2.2**	0.48	"	"	"	"	"	
Nickel	**35**	0.48	"	"	"	"	"	
Selenium	ND	1.9	"	"	"	"	"	
Silver	ND	0.48	"	"	"	"	"	
Thallium	ND	0.96	"	"	"	"	"	
Vanadium	**34**	1.9	"	"	"	"	"	
Zinc	**33**	1.9	"	"	"	"	"	
Volatile Organic TPH by GC/FID								
TPH Gasoline (C5-C12)	ND	0.49	mg/kg	1	B4J0214	10/06/24 10:50	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		*89 %*	*(33 - 158)*		"	"	"	
Semi-Volatile Organic TPH by GC/FID								
TPH Diesel (C13-C22)	ND	9.9	mg/kg	1	B4J0311	10/09/24 20:28	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	
Surrogate: o-Terphenyl		*88 %*	*(34 - 166)*		"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-7@3'**
Matrix : Solid
Lab ID : 2409180-19

Sampled : 10/02/24 15:20
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS								
Benzene	ND	0.0050	mg/kg	1	B4J0227	10/07/24 01:29	EPA 8260B	
Bromobenzene	ND	0.0050	"	"	"	"	"	
Bromochloromethane	ND	0.0050	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-7@3'**
Matrix : Solid
Lab ID : 2409180-19

Sampled : 10/02/24 15:20
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS (Continued)								
Hexachlorobutadiene	ND	0.0050	mg/kg	1	B4J0227	10/07/24 01:29	EPA 8260B	
4-Isopropyl Toluene	ND	0.0050	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0050	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0050	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*97 %*	*(78 - 125)*		"	"	"	
Surrogate: Toluene-d8		*93 %*	*(68 - 130)*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*98 %*	*(69 - 122)*		"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-7@5'**
Matrix : Solid
Lab ID : 2409180-20

Sampled : 10/02/24 15:27
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Total Metals by CVAA								
Mercury	ND	0.086	mg/kg	1	B4J0260	10/08/24 15:00	EPA 7471A	
Total Metals by ICP								
Antimony	ND	2.5	mg/kg	1	B4J0176	10/08/24 12:15	EPA 6010B	
Arsenic	**4.2**	2.0	"	"	"	"	"	
Barium	**170**	1.0	"	"	"	"	"	
Beryllium	**0.64**	0.50	"	"	"	"	"	
Cadmium	ND	0.25	"	"	"	"	"	
Chromium	**24**	0.50	"	"	"	"	"	
Cobalt	**8.3**	0.50	"	"	"	"	"	
Copper	**15**	1.0	"	"	"	"	"	
Lead	**8.0**	0.50	"	"	"	"	"	
Molybdenum	**1.2**	0.50	"	"	"	"	"	
Nickel	**32**	0.50	"	"	"	"	"	
Selenium	ND	2.0	"	"	"	"	"	
Silver	ND	0.50	"	"	"	"	"	
Thallium	ND	1.0	"	"	"	"	"	
Vanadium	**36**	2.0	"	"	"	"	"	
Zinc	**29**	2.0	"	"	"	"	"	
Volatile Organic TPH by GC/FID								
TPH Gasoline (C5-C12)	ND	0.50	mg/kg	1	B4J0214	10/06/24 11:18	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		*91 %*	*(33 - 158)*		"	"	"	
Semi-Volatile Organic TPH by GC/FID								
TPH Diesel (C13-C22)	ND	10	mg/kg	1	B4J0311	10/09/24 20:28	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	
Surrogate: o-Terphenyl		*105 %*	*(34 - 166)*		"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-7@5'**
Matrix : Solid
Lab ID : 2409180-20

Sampled : 10/02/24 15:27
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS								
Benzene	ND	0.0050	mg/kg	1	B4J0227	10/07/24 01:54	EPA 8260B	
Bromobenzene	ND	0.0050	"	"	"	"	"	
Bromochloromethane	ND	0.0050	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-7@5'**
Matrix : Solid
Lab ID : 2409180-20

Sampled : 10/02/24 15:27
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS (Continued)								
Hexachlorobutadiene	ND	0.0050	mg/kg	1	B4J0227	10/07/24 01:54	EPA 8260B	
4-Isopropyl Toluene	ND	0.0050	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0050	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0050	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*97 %*	*(78 - 125)*		*"*	*"*	*"*	
Surrogate: Toluene-d8		*92 %*	*(68 - 130)*		*"*	*"*	*"*	
Surrogate: 4-Bromofluorobenzene		*97 %*	*(69 - 122)*		*"*	*"*	*"*	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-7@10'**
Matrix : Solid
Lab ID : 2409180-21

Sampled : 10/02/24 15:35
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Total Metals by CVAA								
Mercury	ND	0.093	mg/kg	1	B4J0260	10/08/24 15:02	EPA 7471A	
Total Metals by ICP								
Antimony	ND	2.3	mg/kg	1	B4J0176	10/08/24 12:17	EPA 6010B	
Arsenic	ND	1.8	"	"	"	"	"	
Barium	**100**	0.92	"	"	"	"	"	
Beryllium	ND	0.46	"	"	"	"	"	
Cadmium	ND	0.23	"	"	"	"	"	
Chromium	**18**	0.46	"	"	"	"	"	
Cobalt	**2.5**	0.46	"	"	"	"	"	
Copper	**7.0**	0.92	"	"	"	"	"	
Lead	**2.3**	0.46	"	"	"	"	"	
Molybdenum	ND	0.46	"	"	"	"	"	
Nickel	**21**	0.46	"	"	"	"	"	
Selenium	ND	1.8	"	"	"	"	"	
Silver	ND	0.46	"	"	"	"	"	
Thallium	ND	0.92	"	"	"	"	"	
Vanadium	**18**	1.8	"	"	"	"	"	
Zinc	**22**	1.8	"	"	"	"	"	
Volatile Organic TPH by GC/FID								
TPH Gasoline (C5-C12)	ND	0.50	mg/kg	1	B4J0226	10/06/24 16:37	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		*94 %*	*(33 - 158)*		"	"	"	
Semi-Volatile Organic TPH by GC/FID								
TPH Diesel (C13-C22)	ND	10	mg/kg	1	B4J0311	10/09/24 20:48	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	
Surrogate: o-Terphenyl		*87 %*	*(34 - 166)*		"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-7@10'**
Matrix : Solid
Lab ID : 2409180-21

Sampled : 10/02/24 15:35
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS								
Benzene	ND	0.0050	mg/kg	1	B4J0227	10/07/24 02:19	EPA 8260B	
Bromobenzene	ND	0.0050	"	"	"	"	"	
Bromochloromethane	ND	0.0050	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-7@10'**
Matrix : Solid
Lab ID : 2409180-21

Sampled : 10/02/24 15:35
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS (Continued)								
Hexachlorobutadiene	ND	0.0050	mg/kg	1	B4J0227	10/07/24 02:19	EPA 8260B	
4-Isopropyl Toluene	ND	0.0050	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0050	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0050	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*94 %*	*(78 - 125)*		"	"	"	
Surrogate: Toluene-d8		*93 %*	*(68 - 130)*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*99 %*	*(69 - 122)*		"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-7@10'**
Matrix : Solid
Lab ID : 2409180-21

Sampled : 10/02/24 15:35
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring								
Acenaphthene	ND	0.0050	mg/kg	1	B4J0238	10/08/24 02:35	EPA 8270-SIM	
Acenaphthylene	ND	0.0050	"	"	"	"	"	
Anthracene	ND	0.0050	"	"	"	"	"	
Benz (a) anthracene	ND	0.0050	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.0050	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.0050	"	"	"	"	"	
Benzo (a) pyrene	ND	0.0050	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.0050	"	"	"	"	"	
Chrysene	ND	0.0050	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.0050	"	"	"	"	"	
Fluoranthene	ND	0.0050	"	"	"	"	"	
Fluorene	ND	0.0050	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.0050	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	
Phenanthrene	ND	0.0050	"	"	"	"	"	
Pyrene	ND	0.0050	"	"	"	"	"	
Surrogate: p-Terphenyl-d14		*135 %*	*(24 - 189)*		*"*	*"*	*"*	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-8@3'**
Matrix : Solid
Lab ID : 2409180-22

Sampled : 10/02/24 14:40
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Total Metals by CVAA								
Mercury	ND	0.084	mg/kg	1	B4J0260	10/08/24 14:19	EPA 7471A	
Total Metals by ICP								
Antimony	ND	2.3	mg/kg	1	B4J0176	10/08/24 12:28	EPA 6010B	
Arsenic	**4.2**	1.8	"	"	"	"	"	
Barium	**110**	0.92	"	"	"	"	"	
Beryllium	ND	0.46	"	"	"	"	"	
Cadmium	ND	0.23	"	"	"	"	"	
Chromium	**22**	0.46	"	"	"	"	"	
Cobalt	**13**	0.46	"	"	"	"	"	
Copper	**9.4**	0.92	"	"	"	"	"	
Lead	**8.4**	0.46	"	"	"	"	"	
Molybdenum	**1.5**	0.46	"	"	"	"	"	
Nickel	**14**	0.46	"	"	"	"	"	
Selenium	ND	1.8	"	"	"	"	"	
Silver	ND	0.46	"	"	"	"	"	
Thallium	ND	0.92	"	"	"	"	"	
Vanadium	**31**	1.8	"	"	"	"	"	
Zinc	**17**	1.8	"	"	"	"	"	
Volatile Organic TPH by GC/FID								
TPH Gasoline (C5-C12)	ND	0.50	mg/kg	1	B4J0226	10/06/24 17:34	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		*86 %*	*(33 - 158)*		"	"	"	
Semi-Volatile Organic TPH by GC/FID								
TPH Diesel (C13-C22)	ND	10	mg/kg	1	B4J0311	10/09/24 20:48	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	
Surrogate: o-Terphenyl		*100 %*	*(34 - 166)*		"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-8@3'**
Matrix : Solid
Lab ID : 2409180-22

Sampled : 10/02/24 14:40
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS								
Benzene	ND	0.0050	mg/kg	1	B4J0227	10/07/24 02:44	EPA 8260B	
Bromobenzene	ND	0.0050	"	"	"	"	"	
Bromochloromethane	ND	0.0050	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-8@3'**
Matrix : Solid
Lab ID : 2409180-22

Sampled : 10/02/24 14:40
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS (Continued)								
Hexachlorobutadiene	ND	0.0050	mg/kg	1	B4J0227	10/07/24 02:44	EPA 8260B	
4-Isopropyl Toluene	ND	0.0050	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0050	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0050	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*93 %*	*(78 - 125)*		"	"	"	
Surrogate: Toluene-d8		*92 %*	*(68 - 130)*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*98 %*	*(69 - 122)*		"	"	"	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-8@5'**
Matrix : Solid
Lab ID : 2409180-23

Sampled : 10/02/24 14:45
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Total Metals by CVAA								
Mercury	**0.39**	0.10	mg/kg	1	B4J0260	10/08/24 15:04	EPA 7471A	
Total Metals by ICP								
Antimony	ND	2.3	mg/kg	1	B4J0176	10/08/24 12:31	EPA 6010B	
Arsenic	**7.4**	1.8	"	"	"	"	"	
Barium	**160**	0.92	"	"	"	"	"	
Beryllium	**0.46**	0.46	"	"	"	"	"	
Cadmium	ND	0.23	"	"	"	"	"	
Chromium	**22**	0.46	"	"	"	"	"	
Cobalt	**10**	0.46	"	"	"	"	"	
Copper	**17**	0.92	"	"	"	"	"	
Lead	**14**	0.46	"	"	"	"	"	
Molybdenum	**3.0**	0.46	"	"	"	"	"	
Nickel	**20**	0.46	"	"	"	"	"	
Selenium	ND	1.8	"	"	"	"	"	
Silver	ND	0.46	"	"	"	"	"	
Thallium	ND	0.92	"	"	"	"	"	
Vanadium	**37**	1.8	"	"	"	"	"	
Zinc	**34**	1.8	"	"	"	"	"	
Volatile Organic TPH by GC/FID								
TPH Gasoline (C5-C12)	ND	0.50	mg/kg	1	B4J0226	10/06/24 18:03	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		*88 %*	*(33 - 158)*		"	"	"	
Semi-Volatile Organic TPH by GC/FID								
TPH Diesel (C13-C22)	ND	10	mg/kg	1	B4J0311	10/09/24 22:08	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	
Surrogate: o-Terphenyl		*85 %*	*(34 - 166)*		"	"	"	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-8@5'**
Matrix : Solid
Lab ID : 2409180-23

Sampled : 10/02/24 14:45
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS								
Benzene	ND	0.0050	mg/kg	1	B4J0227	10/07/24 03:09	EPA 8260B	
Bromobenzene	ND	0.0050	"	"	"	"	"	
Bromochloromethane	ND	0.0050	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-8@5'**
Matrix : Solid
Lab ID : 2409180-23

Sampled : 10/02/24 14:45
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS (Continued)								
Hexachlorobutadiene	ND	0.0050	mg/kg	1	B4J0227	10/07/24 03:09	EPA 8260B	
4-Isopropyl Toluene	ND	0.0050	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0050	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0050	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*96 %*	*(78 - 125)*		"	"	"	
Surrogate: Toluene-d8		*92 %*	*(68 - 130)*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*96 %*	*(69 - 122)*		"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-8@10'**
Matrix : Solid
Lab ID : 2409180-24

Sampled : 10/02/24 14:47
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Total Metals by CVAA								
Mercury	**0.72**	0.10	mg/kg	1	B4J0260	10/08/24 15:07	EPA 7471A	
Total Metals by ICP								
Antimony	ND	2.4	mg/kg	1	B4J0176	10/08/24 12:33	EPA 6010B	
Arsenic	**7.2**	1.9	"	"	"	"	"	
Barium	**160**	0.97	"	"	"	"	"	
Beryllium	ND	0.48	"	"	"	"	"	
Cadmium	ND	0.24	"	"	"	"	"	
Chromium	**22**	0.48	"	"	"	"	"	
Cobalt	**6.9**	0.48	"	"	"	"	"	
Copper	**15**	0.97	"	"	"	"	"	
Lead	**14**	0.48	"	"	"	"	"	
Molybdenum	**2.1**	0.48	"	"	"	"	"	
Nickel	**23**	0.48	"	"	"	"	"	
Selenium	ND	1.9	"	"	"	"	"	
Silver	ND	0.48	"	"	"	"	"	
Thallium	ND	0.97	"	"	"	"	"	
Vanadium	**35**	1.9	"	"	"	"	"	
Zinc	**36**	1.9	"	"	"	"	"	
Volatile Organic TPH by GC/FID								
TPH Gasoline (C5-C12)	ND	0.49	mg/kg	1	B4J0226	10/06/24 18:31	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		*84 %*	*(33 - 158)*		"	"	"	
Semi-Volatile Organic TPH by GC/FID								
TPH Diesel (C13-C22)	ND	10	mg/kg	1	B4J0311	10/09/24 22:08	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	
Surrogate: o-Terphenyl		*103 %*	*(34 - 166)*		"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-8@10'**
Matrix : Solid
Lab ID : 2409180-24

Sampled : 10/02/24 14:47
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS								
Benzene	ND	0.0050	mg/kg	1	B4J0227	10/07/24 03:34	EPA 8260B	
Bromobenzene	ND	0.0050	"	"	"	"	"	
Bromochloromethane	ND	0.0050	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-8@10'**
Matrix : Solid
Lab ID : 2409180-24

Sampled : 10/02/24 14:47
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS (Continued)								
Hexachlorobutadiene	ND	0.0050	mg/kg	1	B4J0227	10/07/24 03:34	EPA 8260B	
4-Isopropyl Toluene	ND	0.0050	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0050	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0050	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*93 %*	*(78 - 125)*		"	"	"	
Surrogate: Toluene-d8		*94 %*	*(68 - 130)*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*94 %*	*(69 - 122)*		"	"	"	

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Analytical Report for Samples

Sample ID : **CB-8@10'**
Matrix : Solid
Lab ID : 2409180-24

Sampled : 10/02/24 14:47
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring								R-05
Acenaphthene	ND	0.010	mg/kg	2	B4J0238	10/08/24 13:16	EPA 8270-SIM	
Acenaphthylene	ND	0.010	"	"	"	"	"	
Anthracene	ND	0.010	"	"	"	"	"	
Benz (a) anthracene	ND	0.010	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.010	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.010	"	"	"	"	"	
Benzo (a) pyrene	ND	0.010	"	"	"	"	"	
Benzo (g,h,i) perylene	ND	0.010	"	"	"	"	"	
Chrysene	ND	0.010	"	"	"	"	"	
Dibenz (a,h) anthracene	ND	0.010	"	"	"	"	"	
Fluoranthene	ND	0.010	"	"	"	"	"	
Fluorene	ND	0.010	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.010	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	
Phenanthrene	ND	0.010	"	"	"	"	"	
Pyrene	ND	0.010	"	"	"	"	"	
Surrogate: p-Terphenyl-d14		*118 %*	*(24 - 189)*		*"*	*"*	*"*	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Total Metals by CVAA - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J0259 - EPA 7471A Preparation: EPA 7471A Prep 10/07/24 10:39										
Blank (B4J0259-BLK1)			Analyzed: 10/08/24 12:44							
Mercury	ND	0.10	mg/kg							
LCS (B4J0259-BS1)			Analyzed: 10/08/24 12:46							
Mercury	0.837	0.10	mg/kg	0.833		100	85-115			
LCS Dup (B4J0259-BSD1)			Analyzed: 10/08/24 12:49							
Mercury	0.837	0.10	mg/kg	0.833		100	85-115	0	20	
Duplicate (B4J0259-DUP1)	**Source: 2409138-02**		Analyzed: 10/08/24 13:03							
Mercury	ND	0.093	mg/kg		0.0121				20	
Matrix Spike (B4J0259-MS1)	**Source: 2409138-02**		Analyzed: 10/08/24 12:52							
Mercury	0.814	0.096	mg/kg	0.804	0.0121	100	75-125			
Matrix Spike Dup (B4J0259-MSD1)	**Source: 2409138-02**		Analyzed: 10/08/24 12:56							
Mercury	0.820	0.096	mg/kg	0.804	0.0121	100	75-125	0.8	20	
Post Spike (B4J0259-PS1)	**Source: 2409138-02**		Analyzed: 10/08/24 12:58							
Mercury	5.09		ug/L	5.00	0.0955	100	85-115			
Batch B4J0260 - EPA 7471A Preparation: EPA 7471A Prep 10/07/24 10:40										
Blank (B4J0260-BLK1)			Analyzed: 10/08/24 13:56							
Mercury	ND	0.10	mg/kg							
LCS (B4J0260-BS1)			Analyzed: 10/08/24 14:03							
Mercury	0.820	0.10	mg/kg	0.833		98	85-115			
LCS Dup (B4J0260-BSD1)			Analyzed: 10/08/24 14:06							
Mercury	0.815	0.10	mg/kg	0.833		98	85-115	0.6	20	
Duplicate (B4J0260-DUP1)	**Source: 2409180-22**		Analyzed: 10/08/24 14:21							
Mercury	0.0246	0.085	mg/kg		ND				20	
Matrix Spike (B4J0260-MS1)	**Source: 2409180-22**		Analyzed: 10/08/24 14:09							
Mercury	0.730	0.090	mg/kg	0.753	ND	97	75-125			
Matrix Spike Dup (B4J0260-MSD1)	**Source: 2409180-22**		Analyzed: 10/08/24 14:13							
Mercury	0.809	0.097	mg/kg	0.809	ND	100	75-125	10	20	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Total Metals by CVAA - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J0260 - EPA 7471A Preparation: EPA 7471A Prep 10/07/24 10:40										
Post Spike (B4J0260-PS1) **Source: 2409180-22** Analyzed: 10/08/24 14:16										
Mercury	4.67		ug/L	5.00	0.00696	93	85-115			

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Total Metals by ICP - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J0146 - EPA 6010B Preparation: EPA 3050B 10/03/24 11:52										
Blank (B4J0146-BLK1)			Analyzed: 10/07/24 16:32							
Antimony	ND	2.5	mg/kg							
Arsenic	ND	2.0	"							
Barium	ND	1.0	"							
Beryllium	ND	0.50	"							
Cadmium	ND	0.25	"							
Chromium	ND	0.50	"							
Cobalt	ND	0.50	"							
Copper	ND	1.0	"							
Lead	ND	0.50	"							
Molybdenum	ND	0.50	"							
Nickel	ND	0.50	"							
Selenium	ND	2.0	"							
Silver	ND	0.50	"							
Thallium	ND	1.0	"							
Vanadium	ND	2.0	"							
Zinc	ND	2.0	"							
LCS (B4J0146-BS1)			Analyzed: 10/07/24 16:38							
Antimony	102	2.5	mg/kg	100		102	80-120			
Arsenic	101	2.0	"	100		101	80-120			
Barium	102	1.0	"	100		102	80-120			
Beryllium	102	0.50	"	100		102	80-120			
Cadmium	104	0.25	"	100		104	80-120			
Chromium	104	0.50	"	100		104	80-120			
Cobalt	104	0.50	"	100		104	80-120			
Copper	104	1.0	"	100		104	80-120			
Lead	105	0.50	"	100		105	80-120			
Molybdenum	101	0.50	"	100		101	80-120			
Nickel	104	0.50	"	100		104	80-120			
Selenium	101	2.0	"	100		101	80-120			
Silver	5.16	0.50	"	5.00		103	80-120			
Thallium	105	1.0	"	100		105	80-120			
Vanadium	102	2.0	"	100		102	80-120			
Zinc	104	2.0	"	100		104	80-120			

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Total Metals by ICP - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J0146 - EPA 6010B Preparation: EPA 3050B 10/03/24 11:52										
LCS Dup (B4J0146-BSD1)			Analyzed: 10/07/24 16:40							
Antimony	102	2.5	mg/kg	100		102	80-120	0.4	20	
Arsenic	102	2.0	"	100		102	80-120	0.9	20	
Barium	103	1.0	"	100		103	80-120	0.7	20	
Beryllium	102	0.50	"	100		102	80-120	0.5	20	
Cadmium	105	0.25	"	100		105	80-120	0.1	20	
Chromium	104	0.50	"	100		104	80-120	0.2	20	
Cobalt	104	0.50	"	100		104	80-120	0.3	20	
Copper	103	1.0	"	100		103	80-120	0.8	20	
Lead	106	0.50	"	100		106	80-120	0.5	20	
Molybdenum	103	0.50	"	100		103	80-120	2	20	
Nickel	104	0.50	"	100		104	80-120	0.5	20	
Selenium	101	2.0	"	100		101	80-120	0	20	
Silver	5.16	0.50	"	5.00		103	80-120	0	20	
Thallium	106	1.0	"	100		106	80-120	0.5	20	
Vanadium	102	2.0	"	100		102	80-120	0.1	20	
Zinc	104	2.0	"	100		104	80-120	0.3	20	
Duplicate (B4J0146-DUP1)	**Source: 2409127-11**		Analyzed: 10/07/24 15:34							
Antimony	ND	2.5	mg/kg		ND				20	
Arsenic	1.07	2.0	"		1.26			16	20	
Barium	15.1	1.0	"		14.6			3	20	
Beryllium	ND	0.50	"		ND				20	
Cadmium	ND	0.25	"		ND				20	
Chromium	9.59	0.50	"		11.3			17	20	
Cobalt	1.95	0.50	"		1.88			4	20	
Copper	3.36	1.0	"		2.59			26	20	QR-04
Lead	1.07	0.50	"		0.988			8	20	
Molybdenum	ND	0.50	"		ND				20	
Nickel	11.9	0.50	"		13.3			11	20	
Selenium	ND	2.0	"		ND				20	
Silver	ND	0.50	"		ND				20	
Thallium	ND	1.0	"		ND				20	
Vanadium	8.48	2.0	"		6.94			20	20	
Zinc	11.4	2.0	"		8.36			31	20	QR-04

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Total Metals by ICP - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J0146 - EPA 6010B Preparation: EPA 3050B 10/03/24 11:52										
Matrix Spike (B4J0146-MS1) **Source: 2409127-11** Analyzed: 10/07/24 15:23										
Antimony	80.8	2.4	mg/kg	96.4	ND	84	10-101			
Arsenic	101	1.9	"	96.4	1.26	104	81-118			
Barium	115	0.96	"	96.4	14.6	105	39-161			
Beryllium	98.9	0.48	"	96.4	ND	103	83-113			
Cadmium	101	0.24	"	96.4	ND	105	83-111			
Chromium	120	0.48	"	96.4	11.3	113	82-123			
Cobalt	103	0.48	"	96.4	1.88	105	82-114			
Copper	105	0.96	"	96.4	2.59	107	77-128			
Lead	102	0.48	"	96.4	0.988	105	77-117			
Molybdenum	96.8	0.48	"	96.4	ND	100	75-111			
Nickel	116	0.48	"	96.4	13.3	107	77-119			
Selenium	98.3	1.9	"	96.4	ND	102	77-112			
Silver	5.00	0.48	"	4.82	ND	104	84-114			
Thallium	101	0.96	"	96.4	ND	105	78-113			
Vanadium	112	1.9	"	96.4	6.94	109	75-129			
Zinc	112	1.9	"	96.4	8.36	107	68-132			
Matrix Spike Dup (B4J0146-MSD1) **Source: 2409127-11** Analyzed: 10/07/24 15:26										
Antimony	66.1	2.5	mg/kg	99.0	ND	67	10-101	20	20	
Arsenic	88.3	2.0	"	99.0	1.26	88	81-118	14	20	
Barium	103	0.99	"	99.0	14.6	89	39-161	12	20	
Beryllium	82.3	0.50	"	99.0	ND	83	83-113	18	20	
Cadmium	83.6	0.25	"	99.0	ND	84	83-111	19	20	
Chromium	93.4	0.50	"	99.0	11.3	83	82-123	25	20	QR-02
Cobalt	85.1	0.50	"	99.0	1.88	84	82-114	19	20	
Copper	88.7	0.99	"	99.0	2.59	87	77-128	17	20	
Lead	85.7	0.50	"	99.0	0.988	86	77-117	17	20	
Molybdenum	80.9	0.50	"	99.0	ND	82	75-111	18	20	
Nickel	95.6	0.50	"	99.0	13.3	83	77-119	20	20	
Selenium	81.7	2.0	"	99.0	ND	83	77-112	18	20	
Silver	4.00	0.50	"	4.95	ND	81	84-114	22	20	QM-07, QR-04
Thallium	83.9	0.99	"	99.0	ND	85	78-113	19	20	
Vanadium	92.2	2.0	"	99.0	6.94	86	75-129	19	20	
Zinc	98.5	2.0	"	99.0	8.36	91	68-132	12	20	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Total Metals by ICP - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J0146 - EPA 6010B Preparation: EPA 3050B 10/03/24 11:52										
Post Spike (B4J0146-PS1) **Source: 2409127-11** Analyzed: 10/07/24 15:28										
Antimony	2.03		mg/L	2.00	0.00357	101	75-125			
Arsenic	2.06		"	2.00	0.0261	102	75-125			
Barium	2.33		"	2.00	0.302	102	75-125			
Beryllium	1.98		"	2.00	-0.00278	99	75-125			
Cadmium	2.04		"	2.00	-0.00308	102	75-125			
Chromium	2.28		"	2.00	0.234	102	75-125			
Cobalt	2.07		"	2.00	0.0388	102	75-125			
Copper	2.10		"	2.00	0.0536	102	75-125			
Lead	2.08		"	2.00	0.0204	103	75-125			
Molybdenum	2.08		"	2.00	0.00208	104	75-125			
Nickel	2.31		"	2.00	0.275	102	75-125			
Selenium	2.02		"	2.00	-0.0137	101	75-125			
Silver	0.0985		"	0.100	-0.000794	98	75-125			
Thallium	2.06		"	2.00	-0.00625	103	75-125			
Vanadium	2.18		"	2.00	0.144	102	75-125			
Zinc	2.22		"	2.00	0.173	102	75-125			
Batch B4J0176 - EPA 6010B Preparation: EPA 3050B 10/04/24 07:51										
Blank (B4J0176-BLK1) Analyzed: 10/08/24 10:51										
Antimony	ND	2.5	mg/kg							
Arsenic	ND	2.0	"							
Barium	ND	1.0	"							
Beryllium	ND	0.50	"							
Cadmium	ND	0.25	"							
Chromium	ND	0.50	"							
Cobalt	ND	0.50	"							
Copper	ND	1.0	"							
Lead	ND	0.50	"							
Molybdenum	ND	0.50	"							
Nickel	ND	0.50	"							
Selenium	ND	2.0	"							
Silver	ND	0.50	"							
Thallium	ND	1.0	"							
Vanadium	ND	2.0	"							
Zinc	ND	2.0	"							

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Total Metals by ICP - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J0176 - EPA 6010B Preparation: EPA 3050B 10/04/24 07:51										
LCS (B4J0176-BS1)			Analyzed: 10/08/24 11:03							
Antimony	102	2.5	mg/kg	100		102	80-120			
Arsenic	101	2.0	"	100		101	80-120			
Barium	103	1.0	"	100		103	80-120			
Beryllium	104	0.50	"	100		104	80-120			
Cadmium	104	0.25	"	100		104	80-120			
Chromium	104	0.50	"	100		104	80-120			
Cobalt	103	0.50	"	100		103	80-120			
Copper	104	1.0	"	100		104	80-120			
Lead	106	0.50	"	100		106	80-120			
Molybdenum	102	0.50	"	100		102	80-120			
Nickel	103	0.50	"	100		103	80-120			
Selenium	99.0	2.0	"	100		99	80-120			
Silver	5.10	0.50	"	5.00		102	80-120			
Thallium	104	1.0	"	100		104	80-120			
Vanadium	103	2.0	"	100		103	80-120			
Zinc	103	2.0	"	100		103	80-120			
LCS Dup (B4J0176-BSD1)			Analyzed: 10/08/24 11:05							
Antimony	104	2.5	mg/kg	100		104	80-120	2	20	
Arsenic	103	2.0	"	100		103	80-120	2	20	
Barium	105	1.0	"	100		105	80-120	2	20	
Beryllium	106	0.50	"	100		106	80-120	2	20	
Cadmium	106	0.25	"	100		106	80-120	2	20	
Chromium	105	0.50	"	100		105	80-120	0.7	20	
Cobalt	105	0.50	"	100		105	80-120	2	20	
Copper	104	1.0	"	100		104	80-120	0.5	20	
Lead	108	0.50	"	100		108	80-120	2	20	
Molybdenum	104	0.50	"	100		104	80-120	2	20	
Nickel	105	0.50	"	100		105	80-120	2	20	
Selenium	102	2.0	"	100		102	80-120	3	20	
Silver	5.16	0.50	"	5.00		103	80-120	1	20	
Thallium	106	1.0	"	100		106	80-120	2	20	
Vanadium	103	2.0	"	100		103	80-120	0.5	20	
Zinc	105	2.0	"	100		105	80-120	2	20	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Total Metals by ICP - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J0176 - EPA 6010B Preparation: EPA 3050B 10/04/24 07:51										
Duplicate (B4J0176-DUP1)	**Source: 2409180-07**		Analyzed: 10/08/24 11:28							
Antimony	ND	2.4	mg/kg		ND				20	
Arsenic	1.18	1.9	"		1.74			39	20	QR-04
Barium	13.0	0.97	"		14.5			11	20	
Beryllium	ND	0.48	"		ND				20	
Cadmium	ND	0.24	"		ND				20	
Chromium	8.27	0.48	"		8.71			5	20	
Cobalt	3.34	0.48	"		3.23			3	20	
Copper	4.85	0.97	"		5.11			5	20	
Lead	1.29	0.48	"		1.69			27	20	QR-04
Molybdenum	0.353	0.48	"		0.536			41	20	QR-04
Nickel	11.4	0.48	"		11.2			1	20	
Selenium	ND	1.9	"		ND				20	
Silver	ND	0.48	"		ND				20	
Thallium	ND	0.97	"		ND				20	
Vanadium	8.40	1.9	"		10.2			20	20	
Zinc	10.1	1.9	"		10.5			4	20	
Matrix Spike (B4J0176-MS1)	**Source: 2409180-07**		Analyzed: 10/08/24 11:07							
Antimony	65.2	2.5	mg/kg	99.0	ND	66	10-101			
Arsenic	104	2.0	"	99.0	1.74	104	81-118			
Barium	121	0.99	"	99.0	14.5	107	39-161			
Beryllium	104	0.50	"	99.0	ND	105	83-113			
Cadmium	103	0.25	"	99.0	ND	104	83-111			
Chromium	114	0.50	"	99.0	8.71	107	82-123			
Cobalt	107	0.50	"	99.0	3.23	105	82-114			
Copper	111	0.99	"	99.0	5.11	107	77-128			
Lead	107	0.50	"	99.0	1.69	106	77-117			
Molybdenum	100	0.50	"	99.0	0.536	101	75-111			
Nickel	116	0.50	"	99.0	11.2	106	77-119			
Selenium	99.0	2.0	"	99.0	ND	100	77-112			
Silver	5.05	0.50	"	4.95	ND	102	84-114			
Thallium	103	0.99	"	99.0	ND	104	78-113			
Vanadium	115	2.0	"	99.0	10.2	106	75-129			
Zinc	116	2.0	"	99.0	10.5	106	68-132			

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Total Metals by ICP - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J0176 - EPA 6010B Preparation: EPA 3050B 10/04/24 07:51										
Matrix Spike Dup (B4J0176-MSD1)	**Source: 2409180-07**		Analyzed: 10/08/24 11:18							
Antimony	62.5	2.4	mg/kg	96.5	ND	65	10-101	4	20	
Arsenic	101	1.9	"	96.5	1.74	102	81-118	4	20	
Barium	116	0.97	"	96.5	14.5	105	39-161	4	20	
Beryllium	100	0.48	"	96.5	ND	104	83-113	4	20	
Cadmium	99.7	0.24	"	96.5	ND	103	83-111	3	20	
Chromium	111	0.48	"	96.5	8.71	106	82-123	3	20	
Cobalt	104	0.48	"	96.5	3.23	104	82-114	3	20	
Copper	107	0.97	"	96.5	5.11	105	77-128	4	20	
Lead	104	0.48	"	96.5	1.69	106	77-117	3	20	
Molybdenum	97.5	0.48	"	96.5	0.536	100	75-111	3	20	
Nickel	112	0.48	"	96.5	11.2	105	77-119	3	20	
Selenium	95.0	1.9	"	96.5	ND	98	77-112	4	20	
Silver	4.96	0.48	"	4.83	ND	103	84-114	2	20	
Thallium	99.9	0.97	"	96.5	ND	103	78-113	3	20	
Vanadium	111	1.9	"	96.5	10.2	104	75-129	4	20	
Zinc	111	1.9	"	96.5	10.5	104	68-132	4	20	
Post Spike (B4J0176-PS1)	**Source: 2409180-07**		Analyzed: 10/08/24 11:20							
Antimony	2.03		mg/L	2.00	0.00427	101	75-125			
Arsenic	2.09		"	2.00	0.0355	103	75-125			
Barium	2.35		"	2.00	0.296	103	75-125			
Beryllium	2.05		"	2.00	-0.000595	102	75-125			
Cadmium	2.05		"	2.00	-0.0124	103	75-125			
Chromium	2.25		"	2.00	0.178	104	75-125			
Cobalt	2.12		"	2.00	0.0658	103	75-125			
Copper	2.19		"	2.00	0.104	104	75-125			
Lead	2.13		"	2.00	0.0345	105	75-125			
Molybdenum	2.08		"	2.00	0.0109	104	75-125			
Nickel	2.28		"	2.00	0.229	103	75-125			
Selenium	2.00		"	2.00	-0.0165	100	75-125			
Silver	0.0984		"	0.100	-0.00218	98	75-125			
Thallium	2.07		"	2.00	-0.0125	103	75-125			
Vanadium	2.26		"	2.00	0.209	103	75-125			
Zinc	2.27		"	2.00	0.215	103	75-125			

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Campbell Geo, Inc.
327A East Haley Street
Santa Barbara CA, 93101

Project: Sandpiper
Project Number: [none]
Project Manager: Steve Campbell

WO & Reported:
2409180
10/21/2024 08:17

Volatile Organic TPH by GC/FID - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J0214 - EPA 8015M Preparation: EPA 5035/5030B Solid GC 10/05/24 07:53										
Blank (B4J0214-BLK1)			Analyzed: 10/05/24 23:58							
TPH Gasoline (C5-C12)	ND	0.50	mg/kg							
Surrogate: 4-Bromofluorobenzene		*0.110*	"	*0.124*		*89*	*33-158*			
LCS (B4J0214-BS1)			Analyzed: 10/05/24 23:01							
TPH Gasoline (C5-C12)	0.981	0.50	mg/kg	0.992		99	70-154			
Surrogate: 4-Bromofluorobenzene		*0.122*	"	*0.124*		*98*	*33-158*			
LCS Dup (B4J0214-BSD1)			Analyzed: 10/05/24 23:30							
TPH Gasoline (C5-C12)	0.945	0.49	mg/kg	0.988		96	70-154	4	20	
Surrogate: 4-Bromofluorobenzene		*0.120*	"	*0.124*		*97*	*33-158*			
Duplicate (B4J0214-DUP1)	**Source: 2409180-01**		Analyzed: 10/06/24 00:54							
TPH Gasoline (C5-C12)	ND	0.50	mg/kg		ND				20	
Surrogate: 4-Bromofluorobenzene		*0.112*	"	*0.125*		*90*	*33-158*			
Matrix Spike (B4J0214-MS1)	**Source: 2409180-05**		Analyzed: 10/06/24 11:47							
TPH Gasoline (C5-C12)	0.843	0.49	mg/kg	0.988	ND	85	10-176			
Surrogate: 4-Bromofluorobenzene		*0.121*	"	*0.124*		*98*	*33-158*			
Matrix Spike Dup (B4J0214-MSD1)	**Source: 2409180-05**		Analyzed: 10/06/24 12:15							
TPH Gasoline (C5-C12)	0.781	0.50	mg/kg	0.992	ND	79	10-176	8	20	
Surrogate: 4-Bromofluorobenzene		*0.118*	"	*0.124*		*95*	*33-158*			
Batch B4J0226 - EPA 8015M Preparation: EPA 5035/5030B Solid GC 10/06/24 14:00										
Blank (B4J0226-BLK1)			Analyzed: 10/06/24 16:08							
TPH Gasoline (C5-C12)	ND	0.50	mg/kg							
Surrogate: 4-Bromofluorobenzene		*0.115*	"	*0.125*		*93*	*33-158*			
LCS (B4J0226-BS1)			Analyzed: 10/06/24 15:11							
TPH Gasoline (C5-C12)	0.986	0.50	mg/kg	0.998		99	70-154			
Surrogate: 4-Bromofluorobenzene		*0.124*	"	*0.125*		*100*	*33-158*			
LCS Dup (B4J0226-BSD1)			Analyzed: 10/06/24 15:40							
TPH Gasoline (C5-C12)	1.09	0.50	mg/kg	1.00		109	70-154	10	20	
Surrogate: 4-Bromofluorobenzene		*0.121*	"	*0.125*		*97*	*33-158*			

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Volatile Organic TPH by GC/FID - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J0226 - EPA 8015M Preparation: EPA 5035/5030B Solid GC 10/06/24 14:00										
Duplicate (B4J0226-DUP1)	**Source: 2409180-21**			Analyzed: 10/06/24 17:05						
TPH Gasoline (C5-C12)	ND	0.50	mg/kg		ND				20	
Surrogate: 4-Bromofluorobenzene		*0.113*	"	*0.125*		*91*	*33-158*			
Matrix Spike (B4J0226-MS1)	**Source: 2409180-23**			Analyzed: 10/06/24 20:54						
TPH Gasoline (C5-C12)	1.04	0.49	mg/kg	0.988	ND	106	10-176			
Surrogate: 4-Bromofluorobenzene		*0.131*	"	*0.124*		*106*	*33-158*			
Matrix Spike Dup (B4J0226-MSD1)	**Source: 2409180-23**			Analyzed: 10/06/24 21:22						
TPH Gasoline (C5-C12)	1.02	0.50	mg/kg	1.00	ND	102	10-176	3	20	
Surrogate: 4-Bromofluorobenzene		*0.129*	"	*0.125*		*104*	*33-158*			

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Semi-Volatile Organic TPH by GC/FID - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J0311 - EPA 8015M Preparation: EPA 3550C 10/08/24 09:44										
Blank (B4J0311-BLK1)			Analyzed: 10/09/24 15:33							
TPH Diesel (C13-C22)	ND	10	mg/kg							
TPH Motor Oil (C23-C40)	ND	50	"							
Surrogate: o-Terphenyl		*49.3*	*"*	*50.0*		*99*	*34-166*			
LCS (B4J0311-BS1)			Analyzed: 10/09/24 13:33							
TPH Diesel (C13-C22)	472	10	mg/kg	500		94	68-116			
TPH Motor Oil (C23-C40)	446	50	"	500		89	68-140			
Surrogate: o-Terphenyl		*47.5*	*"*	*50.0*		*95*	*34-166*			
LCS Dup (B4J0311-BSD1)			Analyzed: 10/09/24 14:13							
TPH Diesel (C13-C22)	418	10	mg/kg	500		84	68-116	12	20	
TPH Motor Oil (C23-C40)	432	50	"	500		86	68-140	3	20	
Surrogate: o-Terphenyl		*48.8*	*"*	*50.0*		*98*	*34-166*			
Duplicate (B4J0311-DUP1)	**Source: 2409180-06**		Analyzed: 10/09/24 16:13							
TPH Diesel (C13-C22)	ND	10	mg/kg		ND				20	
TPH Motor Oil (C23-C40)	ND	50	"		ND				20	
Surrogate: o-Terphenyl		*47.6*	*"*	*50.2*		*95*	*34-166*			
Matrix Spike (B4J0311-MS1)	**Source: 2409180-06**		Analyzed: 10/09/24 14:33							
TPH Diesel (C13-C22)	475	10	mg/kg	500	ND	95	38-153			
TPH Motor Oil (C23-C40)	430	50	"	500	ND	86	34-183			
Surrogate: o-Terphenyl		*48.8*	*"*	*50.0*		*98*	*34-166*			
Matrix Spike Dup (B4J0311-MSD1)	**Source: 2409180-06**		Analyzed: 10/09/24 15:13							
TPH Diesel (C13-C22)	462	10	mg/kg	500	ND	92	38-153	3	20	
TPH Motor Oil (C23-C40)	431	50	"	500	ND	86	34-183	0.3	20	
Surrogate: o-Terphenyl		*48.6*	*"*	*50.0*		*97*	*34-166*			
Batch B4J0312 - EPA 8015M Preparation: EPA 3550C 10/08/24 09:45										
Blank (B4J0312-BLK1)			Analyzed: 10/09/24 15:53							
TPH Diesel (C13-C22)	ND	10	mg/kg							
TPH Motor Oil (C23-C40)	ND	50	"							
Surrogate: o-Terphenyl		*49.9*	*"*	*50.0*		*100*	*34-166*			

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Semi-Volatile Organic TPH by GC/FID - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J0312 - EPA 8015M Preparation: EPA 3550C 10/08/24 09:45										
LCS (B4J0312-BS1)				Analyzed: 10/09/24 13:53						
TPH Diesel (C13-C22)	435	10	mg/kg	500		87	68-116			
TPH Motor Oil (C23-C40)	450	50	"	500		90	68-140			
Surrogate: o-Terphenyl		*49.0*	*"*	*50.0*		*98*	*34-166*			
LCS Dup (B4J0312-BSD1)				Analyzed: 10/09/24 14:13						
TPH Diesel (C13-C22)	419	10	mg/kg	500		84	68-116	4	20	
TPH Motor Oil (C23-C40)	426	50	"	500		85	68-140	6	20	
Surrogate: o-Terphenyl		*45.7*	*"*	*50.0*		*91*	*34-166*			
Duplicate (B4J0312-DUP1)	**Source: 2409272-14**			Analyzed: 10/09/24 16:13						
TPH Diesel (C13-C22)	ND	10	mg/kg		ND				20	
TPH Motor Oil (C23-C40)	ND	50	"		ND				20	
Surrogate: o-Terphenyl		*52.5*	*"*	*50.4*		*104*	*34-166*			
Matrix Spike (B4J0312-MS1)	**Source: 2409272-14**			Analyzed: 10/09/24 14:53						
TPH Diesel (C13-C22)	571	10	mg/kg	500	ND	114	38-153			
TPH Motor Oil (C23-C40)	619	50	"	500	ND	124	34-183			
Surrogate: o-Terphenyl		*47.9*	*"*	*50.0*		*96*	*34-166*			
Matrix Spike Dup (B4J0312-MSD1)	**Source: 2409272-14**			Analyzed: 10/09/24 15:13						
TPH Diesel (C13-C22)	624	10	mg/kg	500	ND	125	38-153	9	20	
TPH Motor Oil (C23-C40)	609	50	"	500	ND	122	34-183	2	20	
Surrogate: o-Terphenyl		*48.1*	*"*	*50.0*		*96*	*34-166*			

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch B4J0164 - EPA 8260B Preparation: EPA 5035/5030B Solid 10/03/24 14:31

Blank (B4J0164-BLK1) Analyzed: 10/04/24 10:33

Benzene	ND	0.0050	mg/kg
Bromobenzene	ND	0.0050	"
Bromochloromethane	ND	0.0050	"
Bromodichloromethane	ND	0.0050	"
Bromoform	ND	0.0050	"
Bromomethane	ND	0.0050	"
n-Butylbenzene	ND	0.0050	"
sec-Butylbenzene	ND	0.0050	"
tert-Butylbenzene	ND	0.0050	"
Carbon tetrachloride	ND	0.0050	"
Chlorobenzene	ND	0.0050	"
Chloroethane	ND	0.0050	"
Chloroform	ND	0.0050	"
Chloromethane	ND	0.0050	"
2-Chlorotoluene	ND	0.0050	"
4-Chlorotoluene	ND	0.0050	"
Dibromochloromethane	ND	0.0050	"
1,2-Dibromo-3-chloropropane	ND	0.0050	"
1,2-Dibromoethane (EDB)	ND	0.0050	"
Dibromomethane	ND	0.0050	"
1,2-Dichlorobenzene	ND	0.0050	"
1,3-Dichlorobenzene	ND	0.0050	"
1,4-Dichlorobenzene	ND	0.0050	"
Dichlorodifluoromethane	ND	0.0050	"
1,1-Dichloroethane	ND	0.0050	"
1,2-Dichloroethane	ND	0.0050	"
1,1-Dichloroethene	ND	0.0050	"
cis-1,2-Dichloroethene	ND	0.0050	"
trans-1,2-Dichloroethene	ND	0.0050	"
1,2-Dichloropropane	ND	0.0050	"
1,3-Dichloropropane	ND	0.0050	"
2,2-Dichloropropane	ND	0.0050	"
1,1-Dichloropropene	ND	0.0050	"
cis-1,3-Dichloropropene	ND	0.0050	"
trans-1,3-Dichloropropene	ND	0.0050	"
Ethylbenzene	ND	0.0050	"
Hexachlorobutadiene	ND	0.0050	"
4-Isopropyl Toluene	ND	0.0050	"
Isopropylbenzene	ND	0.0050	"
Methylene chloride	ND	0.0050	"
Naphthalene	ND	0.0050	"
n-Propylbenzene	ND	0.0050	"

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J0164 - EPA 8260B Preparation: EPA 5035/5030B Solid 10/03/24 14:31										
Blank (B4J0164-BLK1) Analyzed: 10/04/24 10:33										
Styrene	ND	0.0050	mg/kg							
1,1,1,2-Tetrachloroethane	ND	0.0050	"							
1,1,2,2-Tetrachloroethane	ND	0.0050	"							
Tetrachloroethene (PCE)	ND	0.0050	"							
Toluene	ND	0.0050	"							
1,2,3-Trichlorobenzene	ND	0.0050	"							
1,2,4-Trichlorobenzene	ND	0.0050	"							
1,1,1-Trichloroethane	ND	0.0050	"							
1,1,2-Trichloroethane	ND	0.0050	"							
Trichloroethene (TCE)	ND	0.0050	"							
Trichlorofluoromethane	ND	0.0050	"							
1,2,3-Trichloropropane	ND	0.0050	"							
1,2,4-Trimethylbenzene	ND	0.0050	"							
1,3,5-Trimethylbenzene	ND	0.0050	"							
Vinyl chloride	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Surrogate: Dibromofluoromethane		*0.0481*	*"*	*0.0500*		*96*	*78-125*			
Surrogate: Toluene-d8		*0.0486*	*"*	*0.0500*		*97*	*68-130*			
Surrogate: 4-Bromofluorobenzene		*0.0480*	*"*	*0.0500*		*96*	*69-122*			
LCS (B4J0164-BS1) Analyzed: 10/04/24 09:18										
Benzene	0.0420	0.0050	mg/kg	0.0398		106	74-145			
Bromobenzene	0.0451	0.0050	"	0.0398		114	67-150			
Bromochloromethane	0.0450	0.0050	"	0.0398		113	67-140			
Bromodichloromethane	0.0353	0.0050	"	0.0398		89	65-138			
Bromoform	0.0361	0.0050	"	0.0398		91	47-143			
Bromomethane	0.0176	0.0050	"	0.0398		44	10-180			
n-Butylbenzene	0.0504	0.0050	"	0.0398		127	52-200			
sec-Butylbenzene	0.0515	0.0050	"	0.0398		130	61-205			
tert-Butylbenzene	0.0471	0.0050	"	0.0398		118	52-192			
Carbon tetrachloride	0.0424	0.0050	"	0.0398		107	68-173			
Chlorobenzene	0.0429	0.0050	"	0.0398		108	73-145			
Chloroethane	0.0375	0.0050	"	0.0398		94	29-161			
Chloroform	0.0398	0.0050	"	0.0398		100	70-143			
Chloromethane	0.0585	0.0050	"	0.0398		147	10-186			
2-Chlorotoluene	0.0432	0.0050	"	0.0398		109	62-163			
4-Chlorotoluene	0.0454	0.0050	"	0.0398		114	64-160			
Dibromochloromethane	0.0376	0.0050	"	0.0398		94	55-136			
1,2-Dibromo-3-chloropropane	0.0249	0.0050	"	0.0398		63	33-143			
1,2-Dibromoethane (EDB)	0.0409	0.0050	"	0.0398		103	60-135			
Dibromomethane	0.0426	0.0050	"	0.0398		107	58-146			
1,2-Dichlorobenzene	0.0427	0.0050	"	0.0398		107	68-147			

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J0164 - EPA 8260B Preparation: EPA 5035/5030B Solid 10/03/24 14:31										
LCS (B4J0164-BS1)			Analyzed: 10/04/24 09:18							
1,3-Dichlorobenzene	0.0452	0.0050	mg/kg	0.0398		114	69-153			
1,4-Dichlorobenzene	0.0433	0.0050	"	0.0398		109	71-143			
Dichlorodifluoromethane	0.0485	0.0050	"	0.0398		122	10-245			
1,1-Dichloroethane	0.0396	0.0050	"	0.0398		100	66-153			
1,2-Dichloroethane	0.0342	0.0050	"	0.0398		86	58-143			
1,1-Dichloroethene	0.0446	0.0050	"	0.0398		112	58-180			
cis-1,2-Dichloroethene	0.0421	0.0050	"	0.0398		106	75-143			
trans-1,2-Dichloroethene	0.0411	0.0050	"	0.0398		103	70-158			
1,2-Dichloropropane	0.0373	0.0050	"	0.0398		94	62-143			
1,3-Dichloropropane	0.0370	0.0050	"	0.0398		93	54-132			
2,2-Dichloropropane	0.0388	0.0050	"	0.0398		98	45-201			
1,1-Dichloropropene	0.0409	0.0050	"	0.0398		103	66-173			
cis-1,3-Dichloropropene	0.0333	0.0050	"	0.0398		84	68-139			
trans-1,3-Dichloropropene	0.0350	0.0050	"	0.0398		88	58-153			
Ethylbenzene	0.0434	0.0050	"	0.0398		109	69-161			
Hexachlorobutadiene	0.0684	0.0050	"	0.0398		172	68-221			
4-Isopropyl Toluene	0.0497	0.0050	"	0.0398		125	63-196			
Isopropylbenzene	0.0420	0.0050	"	0.0398		106	68-158			
Methylene chloride	0.0397	0.0050	"	0.0398		100	56-153			
Naphthalene	0.0115	0.0050	"	0.0398		29	18-175			
n-Propylbenzene	0.0472	0.0050	"	0.0398		119	57-182			
Styrene	0.0431	0.0050	"	0.0398		108	70-147			
1,1,1,2-Tetrachloroethane	0.0423	0.0050	"	0.0398		106	65-140			
1,1,2,2-Tetrachloroethane	0.0396	0.0050	"	0.0398		99	46-141			
Tetrachloroethene (PCE)	0.0482	0.0050	"	0.0398		121	74-174			
Toluene	0.0410	0.0050	"	0.0398		103	73-153			
1,2,3-Trichlorobenzene	0.0187	0.0050	"	0.0398		47	36-177			
1,2,4-Trichlorobenzene	0.0272	0.0050	"	0.0398		68	46-177			
1,1,1-Trichloroethane	0.0437	0.0050	"	0.0398		110	72-164			
1,1,2-Trichloroethane	0.0368	0.0050	"	0.0398		93	55-136			
Trichloroethene (TCE)	0.0444	0.0050	"	0.0398		112	77-161			
Trichlorofluoromethane	0.0468	0.0050	"	0.0398		118	49-186			
1,2,3-Trichloropropane	0.0393	0.0050	"	0.0398		99	54-136			
1,2,4-Trimethylbenzene	0.0454	0.0050	"	0.0398		114	54-179			
1,3,5-Trimethylbenzene	0.0438	0.0050	"	0.0398		110	52-178			
Vinyl chloride	0.0414	0.0050	"	0.0398		104	19-192			
Xylenes (total)	0.133	0.0050	"	0.119		111	69-156			
Surrogate: Dibromofluoromethane		*0.0488*	"	*0.0497*		*98*	*78-125*			
Surrogate: Toluene-d8		*0.0482*	"	*0.0497*		*97*	*68-130*			
Surrogate: 4-Bromofluorobenzene		*0.0526*	"	*0.0497*		*106*	*69-122*			

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J0164 - EPA 8260B Preparation: EPA 5035/5030B Solid 10/03/24 14:31										
LCS Dup (B4J0164-BSD1)			Analyzed: 10/04/24 09:43							
Benzene	0.0429	0.0050	mg/kg	0.0398		108	74-145	2	20	
Bromobenzene	0.0476	0.0050	"	0.0398		120	67-150	5	20	
Bromochloromethane	0.0477	0.0050	"	0.0398		120	67-140	6	20	
Bromodichloromethane	0.0369	0.0050	"	0.0398		92	65-138	4	20	
Bromoform	0.0386	0.0050	"	0.0398		97	47-143	7	20	
Bromomethane	0.0190	0.0050	"	0.0398		48	10-180	7	20	
n-Butylbenzene	0.0512	0.0050	"	0.0398		128	52-200	2	20	
sec-Butylbenzene	0.0533	0.0050	"	0.0398		134	61-205	3	20	
tert-Butylbenzene	0.0481	0.0050	"	0.0398		121	52-192	2	20	
Carbon tetrachloride	0.0444	0.0050	"	0.0398		112	68-173	5	20	
Chlorobenzene	0.0444	0.0050	"	0.0398		112	73-145	3	20	
Chloroethane	0.0386	0.0050	"	0.0398		97	29-161	3	20	
Chloroform	0.0413	0.0050	"	0.0398		104	70-143	4	20	
Chloromethane	0.0577	0.0050	"	0.0398		145	10-186	1	20	
2-Chlorotoluene	0.0442	0.0050	"	0.0398		111	62-163	2	20	
4-Chlorotoluene	0.0466	0.0050	"	0.0398		117	64-160	2	20	
Dibromochloromethane	0.0407	0.0050	"	0.0398		102	55-136	8	20	
1,2-Dibromo-3-chloropropane	0.0311	0.0050	"	0.0398		78	33-143	22	20	QR-02
1,2-Dibromoethane (EDB)	0.0423	0.0050	"	0.0398		106	60-135	3	20	
Dibromomethane	0.0431	0.0050	"	0.0398		108	58-146	1	20	
1,2-Dichlorobenzene	0.0445	0.0050	"	0.0398		112	68-147	4	20	
1,3-Dichlorobenzene	0.0455	0.0050	"	0.0398		114	69-153	0.5	20	
1,4-Dichlorobenzene	0.0445	0.0050	"	0.0398		112	71-143	3	20	
Dichlorodifluoromethane	0.0510	0.0050	"	0.0398		128	10-245	5	20	
1,1-Dichloroethane	0.0408	0.0050	"	0.0398		102	66-153	3	20	
1,2-Dichloroethane	0.0355	0.0050	"	0.0398		89	58-143	4	20	
1,1-Dichloroethene	0.0475	0.0050	"	0.0398		119	58-180	6	20	
cis-1,2-Dichloroethene	0.0432	0.0050	"	0.0398		108	75-143	3	20	
trans-1,2-Dichloroethene	0.0450	0.0050	"	0.0398		113	70-158	9	20	
1,2-Dichloropropane	0.0389	0.0050	"	0.0398		98	62-143	4	20	
1,3-Dichloropropane	0.0378	0.0050	"	0.0398		95	54-132	2	20	
2,2-Dichloropropane	0.0391	0.0050	"	0.0398		98	45-201	0.8	20	
1,1-Dichloropropene	0.0429	0.0050	"	0.0398		108	66-173	5	20	
cis-1,3-Dichloropropene	0.0348	0.0050	"	0.0398		87	68-139	4	20	
trans-1,3-Dichloropropene	0.0369	0.0050	"	0.0398		92	58-153	5	20	
Ethylbenzene	0.0454	0.0050	"	0.0398		114	69-161	4	20	
Hexachlorobutadiene	0.0708	0.0050	"	0.0398		178	68-221	4	20	
4-Isopropyl Toluene	0.0515	0.0050	"	0.0398		129	63-196	4	20	
Isopropylbenzene	0.0436	0.0050	"	0.0398		109	68-158	4	20	
Methylene chloride	0.0448	0.0050	"	0.0398		112	56-153	12	20	
Naphthalene	0.0179	0.0050	"	0.0398		45	18-175	43	20	QR-02
n-Propylbenzene	0.0479	0.0050	"	0.0398		120	57-182	2	20	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J0164 - EPA 8260B Preparation: EPA 5035/5030B Solid 10/03/24 14:31										
LCS Dup (B4J0164-BSD1)			Analyzed: 10/04/24 09:43							
Styrene	0.0452	0.0050	mg/kg	0.0398		113	70-147	5	20	
1,1,1,2-Tetrachloroethane	0.0438	0.0050	"	0.0398		110	65-140	3	20	
1,1,2,2-Tetrachloroethane	0.0425	0.0050	"	0.0398		107	46-141	7	20	
Tetrachloroethene (PCE)	0.0493	0.0050	"	0.0398		124	74-174	2	20	
Toluene	0.0420	0.0050	"	0.0398		105	73-153	2	20	
1,2,3-Trichlorobenzene	0.0265	0.0050	"	0.0398		67	36-177	35	20	QR-02
1,2,4-Trichlorobenzene	0.0318	0.0050	"	0.0398		80	46-177	16	20	
1,1,1-Trichloroethane	0.0447	0.0050	"	0.0398		112	72-164	2	20	
1,1,2-Trichloroethane	0.0385	0.0050	"	0.0398		97	55-136	4	20	
Trichloroethene (TCE)	0.0466	0.0050	"	0.0398		117	77-161	5	20	
Trichlorofluoromethane	0.0487	0.0050	"	0.0398		122	49-186	4	20	
1,2,3-Trichloropropane	0.0416	0.0050	"	0.0398		104	54-136	6	20	
1,2,4-Trimethylbenzene	0.0467	0.0050	"	0.0398		117	54-179	3	20	
1,3,5-Trimethylbenzene	0.0448	0.0050	"	0.0398		112	52-178	2	20	
Vinyl chloride	0.0424	0.0050	"	0.0398		106	19-192	2	20	
Xylenes (total)	0.139	0.0050	"	0.120		116	69-156	5	20	
Surrogate: Dibromofluoromethane		*0.0485*	"	*0.0498*		*97*	*78-125*			
Surrogate: Toluene-d8		*0.0483*	"	*0.0498*		*97*	*68-130*			
Surrogate: 4-Bromofluorobenzene		*0.0535*	"	*0.0498*		*107*	*69-122*			
Duplicate (B4J0164-DUP1)	**Source: 2409180-01**		Analyzed: 10/04/24 11:29							
Benzene	ND	0.0050	mg/kg		ND				20	
Bromobenzene	ND	0.0050	"		ND				20	
Bromochloromethane	ND	0.0050	"		ND				20	
Bromodichloromethane	ND	0.0050	"		ND				20	
Bromoform	ND	0.0050	"		ND				20	
Bromomethane	ND	0.0050	"		ND				20	
n-Butylbenzene	ND	0.0050	"		ND				20	
sec-Butylbenzene	ND	0.0050	"		ND				20	
tert-Butylbenzene	ND	0.0050	"		ND				20	
Carbon tetrachloride	ND	0.0050	"		ND				20	
Chlorobenzene	ND	0.0050	"		ND				20	
Chloroethane	ND	0.0050	"		ND				20	
Chloroform	ND	0.0050	"		ND				20	
Chloromethane	ND	0.0050	"		ND				20	
2-Chlorotoluene	ND	0.0050	"		ND				20	
4-Chlorotoluene	ND	0.0050	"		ND				20	
Dibromochloromethane	ND	0.0050	"		ND				20	
1,2-Dibromo-3-chloropropane	ND	0.0050	"		ND				20	
1,2-Dibromoethane (EDB)	ND	0.0050	"		ND				20	
Dibromomethane	ND	0.0050	"		ND				20	
1,2-Dichlorobenzene	ND	0.0050	"		ND				20	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J0164 - EPA 8260B Preparation: EPA 5035/5030B Solid 10/03/24 14:31										
Duplicate (B4J0164-DUP1) **Source: 2409180-01** Analyzed: 10/04/24 11:29										
1,3-Dichlorobenzene	ND	0.0050	mg/kg		ND				20	
1,4-Dichlorobenzene	ND	0.0050	"		ND				20	
Dichlorodifluoromethane	ND	0.0050	"		ND				20	
1,1-Dichloroethane	ND	0.0050	"		ND				20	
1,2-Dichloroethane	ND	0.0050	"		ND				20	
1,1-Dichloroethene	ND	0.0050	"		ND				20	
cis-1,2-Dichloroethene	ND	0.0050	"		ND				20	
trans-1,2-Dichloroethene	ND	0.0050	"		ND				20	
1,2-Dichloropropane	ND	0.0050	"		ND				20	
1,3-Dichloropropane	ND	0.0050	"		ND				20	
2,2-Dichloropropane	ND	0.0050	"		ND				20	
1,1-Dichloropropene	ND	0.0050	"		ND				20	
cis-1,3-Dichloropropene	ND	0.0050	"		ND				20	
trans-1,3-Dichloropropene	ND	0.0050	"		ND				20	
Ethylbenzene	ND	0.0050	"		ND				20	
Hexachlorobutadiene	ND	0.0050	"		ND				20	
4-Isopropyl Toluene	ND	0.0050	"		ND				20	
Isopropylbenzene	ND	0.0050	"		ND				20	
Methylene chloride	ND	0.0050	"		ND				20	
Naphthalene	ND	0.0050	"		ND				20	
n-Propylbenzene	ND	0.0050	"		ND				20	
Styrene	ND	0.0050	"		ND				20	
1,1,1,2-Tetrachloroethane	ND	0.0050	"		ND				20	
1,1,2,2-Tetrachloroethane	ND	0.0050	"		ND				20	
Tetrachloroethene (PCE)	ND	0.0050	"		ND				20	
Toluene	ND	0.0050	"		ND				20	
1,2,3-Trichlorobenzene	ND	0.0050	"		ND				20	
1,2,4-Trichlorobenzene	ND	0.0050	"		ND				20	
1,1,1-Trichloroethane	ND	0.0050	"		ND				20	
1,1,2-Trichloroethane	ND	0.0050	"		ND				20	
Trichloroethene (TCE)	ND	0.0050	"		ND				20	
Trichlorofluoromethane	ND	0.0050	"		ND				20	
1,2,3-Trichloropropane	ND	0.0050	"		ND				20	
1,2,4-Trimethylbenzene	ND	0.0050	"		ND				20	
1,3,5-Trimethylbenzene	ND	0.0050	"		ND				20	
Vinyl chloride	ND	0.0050	"		ND				20	
Xylenes (total)	ND	0.0050	"		ND				20	
Surrogate: Dibromofluoromethane		*0.0490*	*"*	*0.0497*		*99*	*78-125*			
Surrogate: Toluene-d8		*0.0477*	*"*	*0.0497*		*96*	*68-130*			
Surrogate: 4-Bromofluorobenzene		*0.0474*	*"*	*0.0497*		*95*	*69-122*			

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J0164 - EPA 8260B Preparation: EPA 5035/5030B Solid 10/03/24 14:31										
Matrix Spike (B4J0164-MS1) **Source: 2409180-02** Analyzed: 10/04/24 19:27										
Benzene	0.0407	0.0050	mg/kg	0.0399	ND	102	46-153			
Bromobenzene	0.0455	0.0050	"	0.0399	ND	114	32-153			
Bromochloromethane	0.0462	0.0050	"	0.0399	ND	116	46-151			
Bromodichloromethane	0.0366	0.0050	"	0.0399	ND	92	42-151			
Bromoform	0.0389	0.0050	"	0.0399	ND	97	24-155			
Bromomethane	0.0170	0.0050	"	0.0399	ND	42	10-159			
n-Butylbenzene	0.0453	0.0050	"	0.0399	ND	114	10-203			
sec-Butylbenzene	0.0479	0.0050	"	0.0399	ND	120	10-212			
tert-Butylbenzene	0.0435	0.0050	"	0.0399	ND	109	10-196			
Carbon tetrachloride	0.0449	0.0050	"	0.0399	ND	112	36-180			
Chlorobenzene	0.0422	0.0050	"	0.0399	ND	106	33-158			
Chloroethane	0.0364	0.0050	"	0.0399	ND	91	22-164			
Chloroform	0.0414	0.0050	"	0.0399	ND	104	49-150			
Chloromethane	0.0517	0.0050	"	0.0399	ND	130	10-175			
2-Chlorotoluene	0.0404	0.0050	"	0.0399	ND	101	12-174			
4-Chlorotoluene	0.0437	0.0050	"	0.0399	ND	109	12-170			
Dibromochloromethane	0.0412	0.0050	"	0.0399	ND	103	37-143			
1,2-Dibromo-3-chloropropane	0.0245	0.0050	"	0.0399	ND	61	10-164			
1,2-Dibromoethane (EDB)	0.0408	0.0050	"	0.0399	ND	102	37-146			
Dibromomethane	0.0423	0.0050	"	0.0399	ND	106	44-149			
1,2-Dichlorobenzene	0.0410	0.0050	"	0.0399	ND	103	18-158			
1,3-Dichlorobenzene	0.0430	0.0050	"	0.0399	ND	108	15-162			
1,4-Dichlorobenzene	0.0408	0.0050	"	0.0399	ND	102	15-158			
Dichlorodifluoromethane	0.0460	0.0050	"	0.0399	ND	115	10-227			
1,1-Dichloroethane	0.0400	0.0050	"	0.0399	ND	100	44-160			
1,2-Dichloroethane	0.0347	0.0050	"	0.0399	ND	87	43-147			
1,1-Dichloroethene	0.0451	0.0050	"	0.0399	ND	113	36-183			
cis-1,2-Dichloroethene	0.0420	0.0050	"	0.0399	ND	105	51-150			
trans-1,2-Dichloroethene	0.0444	0.0050	"	0.0399	ND	111	43-165			
1,2-Dichloropropane	0.0368	0.0050	"	0.0399	ND	92	38-153			
1,3-Dichloropropane	0.0360	0.0050	"	0.0399	ND	90	32-143			
2,2-Dichloropropane	0.0373	0.0050	"	0.0399	ND	94	22-188			
1,1-Dichloropropene	0.0398	0.0050	"	0.0399	ND	100	32-179			
cis-1,3-Dichloropropene	0.0320	0.0050	"	0.0399	ND	80	35-151			
trans-1,3-Dichloropropene	0.0354	0.0050	"	0.0399	ND	89	30-160			
Ethylbenzene	0.0416	0.0050	"	0.0399	ND	104	18-181			
Hexachlorobutadiene	0.0610	0.0050	"	0.0399	ND	153	10-212			
4-Isopropyl Toluene	0.0463	0.0050	"	0.0399	ND	116	10-205			
Isopropylbenzene	0.0402	0.0050	"	0.0399	ND	101	19-170			
Methylene chloride	0.0431	0.0050	"	0.0399	ND	108	38-160			
Naphthalene	0.00774	0.0050	"	0.0399	ND	19	10-193			
n-Propylbenzene	0.0441	0.0050	"	0.0399	ND	110	10-190			

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J0164 - EPA 8260B Preparation: EPA 5035/5030B Solid 10/03/24 14:31										
Matrix Spike (B4J0164-MS1) **Source: 2409180-02** Analyzed: 10/04/24 19:27										
Styrene	0.0427	0.0050	mg/kg	0.0399	ND	107	20-168			
1,1,1,2-Tetrachloroethane	0.0441	0.0050	"	0.0399	ND	110	40-147			
1,1,2,2-Tetrachloroethane	0.0395	0.0050	"	0.0399	ND	99	10-166			
Tetrachloroethene (PCE)	0.0468	0.0050	"	0.0399	ND	117	28-182			
Toluene	0.0390	0.0050	"	0.0399	ND	98	32-169			
1,2,3-Trichlorobenzene	0.0161	0.0050	"	0.0399	ND	40	10-171			
1,2,4-Trichlorobenzene	0.0242	0.0050	"	0.0399	ND	61	10-171			
1,1,1-Trichloroethane	0.0450	0.0050	"	0.0399	ND	113	45-170			
1,1,2-Trichloroethane	0.0375	0.0050	"	0.0399	ND	94	31-154			
Trichloroethene (TCE)	0.0438	0.0050	"	0.0399	ND	110	44-175			
Trichlorofluoromethane	0.0476	0.0050	"	0.0399	ND	119	30-187			
1,2,3-Trichloropropane	0.0411	0.0050	"	0.0399	ND	103	26-162			
1,2,4-Trimethylbenzene	0.0424	0.0050	"	0.0399	ND	106	10-193			
1,3,5-Trimethylbenzene	0.0415	0.0050	"	0.0399	ND	104	10-186			
Vinyl chloride	0.0373	0.0050	"	0.0399	ND	93	10-188			
Xylenes (total)	0.128	0.0050	"	0.120	ND	107	20-174			
Surrogate: Dibromofluoromethane		*0.0521*	"	*0.0499*		*104*	*78-125*			
Surrogate: Toluene-d8		*0.0477*	"	*0.0499*		*96*	*68-130*			
Surrogate: 4-Bromofluorobenzene		*0.0529*	"	*0.0499*		*106*	*69-122*			
Batch B4J0227 - EPA 8260B Preparation: EPA 5035/5030B Solid 10/06/24 09:00										
Blank (B4J0227-BLK1) Analyzed: 10/06/24 22:09										
Benzene	ND	0.0050	mg/kg							
Bromobenzene	ND	0.0050	"							
Bromochloromethane	ND	0.0050	"							
Bromodichloromethane	ND	0.0050	"							
Bromoform	ND	0.0050	"							
Bromomethane	ND	0.0050	"							
n-Butylbenzene	ND	0.0050	"							
sec-Butylbenzene	ND	0.0050	"							
tert-Butylbenzene	ND	0.0050	"							
Carbon tetrachloride	ND	0.0050	"							
Chlorobenzene	ND	0.0050	"							
Chloroethane	ND	0.0050	"							
Chloroform	ND	0.0050	"							
Chloromethane	ND	0.0050	"							
2-Chlorotoluene	ND	0.0050	"							
4-Chlorotoluene	ND	0.0050	"							
Dibromochloromethane	ND	0.0050	"							
1,2-Dibromo-3-chloropropane	ND	0.0050	"							
1,2-Dibromoethane (EDB)	ND	0.0050	"							

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J0227 - EPA 8260B Preparation: EPA 5035/5030B Solid 10/06/24 09:00										
Blank (B4J0227-BLK1)			Analyzed: 10/06/24 22:09							
Dibromomethane	ND	0.0050	mg/kg							
1,2-Dichlorobenzene	ND	0.0050	"							
1,3-Dichlorobenzene	ND	0.0050	"							
1,4-Dichlorobenzene	ND	0.0050	"							
Dichlorodifluoromethane	ND	0.0050	"							
1,1-Dichloroethane	ND	0.0050	"							
1,2-Dichloroethane	ND	0.0050	"							
1,1-Dichloroethene	ND	0.0050	"							
cis-1,2-Dichloroethene	ND	0.0050	"							
trans-1,2-Dichloroethene	ND	0.0050	"							
1,2-Dichloropropane	ND	0.0050	"							
1,3-Dichloropropane	ND	0.0050	"							
2,2-Dichloropropane	ND	0.0050	"							
1,1-Dichloropropene	ND	0.0050	"							
cis-1,3-Dichloropropene	ND	0.0050	"							
trans-1,3-Dichloropropene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Hexachlorobutadiene	ND	0.0050	"							
4-Isopropyl Toluene	ND	0.0050	"							
Isopropylbenzene	ND	0.0050	"							
Methylene chloride	ND	0.0050	"							
Naphthalene	ND	0.0050	"							
n-Propylbenzene	ND	0.0050	"							
Styrene	ND	0.0050	"							
1,1,1,2-Tetrachloroethane	ND	0.0050	"							
1,1,2,2-Tetrachloroethane	ND	0.0050	"							
Tetrachloroethene (PCE)	ND	0.0050	"							
Toluene	ND	0.0050	"							
1,2,3-Trichlorobenzene	ND	0.0050	"							
1,2,4-Trichlorobenzene	ND	0.0050	"							
1,1,1-Trichloroethane	ND	0.0050	"							
1,1,2-Trichloroethane	ND	0.0050	"							
Trichloroethene (TCE)	ND	0.0050	"							
Trichlorofluoromethane	ND	0.0050	"							
1,2,3-Trichloropropane	ND	0.0050	"							
1,2,4-Trimethylbenzene	ND	0.0050	"							
1,3,5-Trimethylbenzene	ND	0.0050	"							
Vinyl chloride	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Surrogate: Dibromofluoromethane		*0.0455*	"	*0.0499*		*91*	*78-125*			
Surrogate: Toluene-d8		*0.0465*	"	*0.0499*		*93*	*68-130*			
Surrogate: 4-Bromofluorobenzene		*0.0485*	"	*0.0499*		*97*	*69-122*			

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J0227 - EPA 8260B Preparation: EPA 5035/5030B Solid 10/06/24 09:00										
LCS (B4J0227-BS1)			Analyzed: 10/06/24 20:30							
Benzene	0.0396	0.0050	mg/kg	0.0399		99	74-145			
Bromobenzene	0.0444	0.0050	"	0.0399		111	67-150			
Bromochloromethane	0.0399	0.0050	"	0.0399		100	67-140			
Bromodichloromethane	0.0300	0.0050	"	0.0399		75	65-138			
Bromoform	0.0406	0.0050	"	0.0399		102	47-143			
Bromomethane	0.0344	0.0050	"	0.0399		86	10-180			
n-Butylbenzene	0.0528	0.0050	"	0.0399		132	52-200			
sec-Butylbenzene	0.0564	0.0050	"	0.0399		141	61-205			
tert-Butylbenzene	0.0525	0.0050	"	0.0399		132	52-192			
Carbon tetrachloride	0.0333	0.0050	"	0.0399		84	68-173			
Chlorobenzene	0.0442	0.0050	"	0.0399		111	73-145			
Chloroethane	0.0345	0.0050	"	0.0399		87	29-161			
Chloroform	0.0375	0.0050	"	0.0399		94	70-143			
Chloromethane	0.0340	0.0050	"	0.0399		85	10-186			
2-Chlorotoluene	0.0491	0.0050	"	0.0399		123	62-163			
4-Chlorotoluene	0.0429	0.0050	"	0.0399		108	64-160			
Dibromochloromethane	0.0337	0.0050	"	0.0399		84	55-136			
1,2-Dibromo-3-chloropropane	0.0350	0.0050	"	0.0399		88	33-143			
1,2-Dibromoethane (EDB)	0.0386	0.0050	"	0.0399		97	60-135			
Dibromomethane	0.0359	0.0050	"	0.0399		90	58-146			
1,2-Dichlorobenzene	0.0504	0.0050	"	0.0399		126	68-147			
1,3-Dichlorobenzene	0.0447	0.0050	"	0.0399		112	69-153			
1,4-Dichlorobenzene	0.0432	0.0050	"	0.0399		108	71-143			
Dichlorodifluoromethane	0.0303	0.0050	"	0.0399		76	10-245			
1,1-Dichloroethane	0.0406	0.0050	"	0.0399		102	66-153			
1,2-Dichloroethane	0.0344	0.0050	"	0.0399		86	58-143			
1,1-Dichloroethene	0.0426	0.0050	"	0.0399		107	58-180			
cis-1,2-Dichloroethene	0.0400	0.0050	"	0.0399		100	75-143			
trans-1,2-Dichloroethene	0.0400	0.0050	"	0.0399		100	70-158			
1,2-Dichloropropane	0.0393	0.0050	"	0.0399		99	62-143			
1,3-Dichloropropane	0.0361	0.0050	"	0.0399		90	54-132			
2,2-Dichloropropane	0.0333	0.0050	"	0.0399		83	45-201			
1,1-Dichloropropene	0.0388	0.0050	"	0.0399		97	66-173			
cis-1,3-Dichloropropene	0.0306	0.0050	"	0.0399		77	68-139			
trans-1,3-Dichloropropene	0.0362	0.0050	"	0.0399		91	58-153			
Ethylbenzene	0.0427	0.0050	"	0.0399		107	69-161			
Hexachlorobutadiene	0.0609	0.0050	"	0.0399		153	68-221			
4-Isopropyl Toluene	0.0527	0.0050	"	0.0399		132	63-196			
Isopropylbenzene	0.0411	0.0050	"	0.0399		103	68-158			
Methylene chloride	0.0392	0.0050	"	0.0399		98	56-153			
Naphthalene	0.0423	0.0050	"	0.0399		106	18-175			
n-Propylbenzene	0.0438	0.0050	"	0.0399		110	57-182			

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Campbell Geo, Inc.
327A East Haley Street
Santa Barbara CA, 93101

Project: Sandpiper
Project Number: [none]
Project Manager: Steve Campbell

WO & Reported:
2409180
10/21/2024 08:17

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J0227 - EPA 8260B Preparation: EPA 5035/5030B Solid 10/06/24 09:00										
LCS (B4J0227-BS1) Analyzed: 10/06/24 20:30										
Styrene	0.0422	0.0050	mg/kg	0.0399		106	70-147			
1,1,1,2-Tetrachloroethane	0.0400	0.0050	"	0.0399		100	65-140			
1,1,2,2-Tetrachloroethane	0.0471	0.0050	"	0.0399		118	46-141			
Tetrachloroethene (PCE)	0.0448	0.0050	"	0.0399		112	74-174			
Toluene	0.0390	0.0050	"	0.0399		98	73-153			
1,2,3-Trichlorobenzene	0.0480	0.0050	"	0.0399		120	36-177			
1,2,4-Trichlorobenzene	0.0481	0.0050	"	0.0399		121	46-177			
1,1,1-Trichloroethane	0.0363	0.0050	"	0.0399		91	72-164			
1,1,2-Trichloroethane	0.0392	0.0050	"	0.0399		98	55-136			
Trichloroethene (TCE)	0.0343	0.0050	"	0.0399		86	77-161			
Trichlorofluoromethane	0.0375	0.0050	"	0.0399		94	49-186			
1,2,3-Trichloropropane	0.0434	0.0050	"	0.0399		109	54-136			
1,2,4-Trimethylbenzene	0.0511	0.0050	"	0.0399		128	54-179			
1,3,5-Trimethylbenzene	0.0501	0.0050	"	0.0399		126	52-178			
Vinyl chloride	0.0371	0.0050	"	0.0399		93	19-192			
Xylenes (total)	0.127	0.0050	"	0.120		106	69-156			
Surrogate: Dibromofluoromethane		*0.0463*	"	*0.0499*		*93*	*78-125*			
Surrogate: Toluene-d8		*0.0479*	"	*0.0499*		*96*	*68-130*			
Surrogate: 4-Bromofluorobenzene		*0.0479*	"	*0.0499*		*96*	*69-122*			
LCS Dup (B4J0227-BSD1) Analyzed: 10/06/24 20:55										
Benzene	0.0409	0.0050	mg/kg	0.0400		102	74-145	3	20	
Bromobenzene	0.0468	0.0050	"	0.0400		117	67-150	5	20	
Bromochloromethane	0.0400	0.0050	"	0.0400		100	67-140	0.2	20	
Bromodichloromethane	0.0312	0.0050	"	0.0400		78	65-138	4	20	
Bromoform	0.0432	0.0050	"	0.0400		108	47-143	6	20	
Bromomethane	0.0371	0.0050	"	0.0400		93	10-180	8	20	
n-Butylbenzene	0.0589	0.0050	"	0.0400		147	52-200	11	20	
sec-Butylbenzene	0.0611	0.0050	"	0.0400		153	61-205	8	20	
tert-Butylbenzene	0.0571	0.0050	"	0.0400		143	52-192	8	20	
Carbon tetrachloride	0.0351	0.0050	"	0.0400		88	68-173	5	20	
Chlorobenzene	0.0470	0.0050	"	0.0400		117	73-145	6	20	
Chloroethane	0.0358	0.0050	"	0.0400		89	29-161	3	20	
Chloroform	0.0382	0.0050	"	0.0400		96	70-143	2	20	
Chloromethane	0.0344	0.0050	"	0.0400		86	10-186	1	20	
2-Chlorotoluene	0.0536	0.0050	"	0.0400		134	62-163	9	20	
4-Chlorotoluene	0.0462	0.0050	"	0.0400		116	64-160	7	20	
Dibromochloromethane	0.0351	0.0050	"	0.0400		88	55-136	4	20	
1,2-Dibromo-3-chloropropane	0.0350	0.0050	"	0.0400		87	33-143	0.1	20	
1,2-Dibromoethane (EDB)	0.0395	0.0050	"	0.0400		99	60-135	2	20	
Dibromomethane	0.0362	0.0050	"	0.0400		91	58-146	0.9	20	
1,2-Dichlorobenzene	0.0536	0.0050	"	0.0400		134	68-147	6	20	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J0227 - EPA 8260B Preparation: EPA 5035/5030B Solid 10/06/24 09:00										
LCS Dup (B4J0227-BSD1)			Analyzed: 10/06/24 20:55							
1,3-Dichlorobenzene	0.0477	0.0050	mg/kg	0.0400		119	69-153	6	20	
1,4-Dichlorobenzene	0.0466	0.0050	"	0.0400		116	71-143	8	20	
Dichlorodifluoromethane	0.0306	0.0050	"	0.0400		76	10-245	1	20	
1,1-Dichloroethane	0.0417	0.0050	"	0.0400		104	66-153	3	20	
1,2-Dichloroethane	0.0344	0.0050	"	0.0400		86	58-143	0.1	20	
1,1-Dichloroethene	0.0435	0.0050	"	0.0400		109	58-180	2	20	
cis-1,2-Dichloroethene	0.0410	0.0050	"	0.0400		102	75-143	2	20	
trans-1,2-Dichloroethene	0.0406	0.0050	"	0.0400		102	70-158	2	20	
1,2-Dichloropropane	0.0403	0.0050	"	0.0400		101	62-143	3	20	
1,3-Dichloropropane	0.0367	0.0050	"	0.0400		92	54-132	2	20	
2,2-Dichloropropane	0.0344	0.0050	"	0.0400		86	45-201	3	20	
1,1-Dichloropropene	0.0404	0.0050	"	0.0400		101	66-173	4	20	
cis-1,3-Dichloropropene	0.0313	0.0050	"	0.0400		78	68-139	2	20	
trans-1,3-Dichloropropene	0.0372	0.0050	"	0.0400		93	58-153	3	20	
Ethylbenzene	0.0462	0.0050	"	0.0400		116	69-161	8	20	
Hexachlorobutadiene	0.0664	0.0050	"	0.0400		166	68-221	9	20	
4-Isopropyl Toluene	0.0584	0.0050	"	0.0400		146	63-196	10	20	
Isopropylbenzene	0.0448	0.0050	"	0.0400		112	68-158	9	20	
Methylene chloride	0.0404	0.0050	"	0.0400		101	56-153	3	20	
Naphthalene	0.0450	0.0050	"	0.0400		113	18-175	6	20	
n-Propylbenzene	0.0480	0.0050	"	0.0400		120	57-182	9	20	
Styrene	0.0454	0.0050	"	0.0400		114	70-147	7	20	
1,1,1,2-Tetrachloroethane	0.0421	0.0050	"	0.0400		105	65-140	5	20	
1,1,2,2-Tetrachloroethane	0.0473	0.0050	"	0.0400		118	46-141	0.5	20	
Tetrachloroethene (PCE)	0.0477	0.0050	"	0.0400		119	74-174	6	20	
Toluene	0.0404	0.0050	"	0.0400		101	73-153	4	20	
1,2,3-Trichlorobenzene	0.0512	0.0050	"	0.0400		128	36-177	6	20	
1,2,4-Trichlorobenzene	0.0522	0.0050	"	0.0400		131	46-177	8	20	
1,1,1-Trichloroethane	0.0372	0.0050	"	0.0400		93	72-164	2	20	
1,1,2-Trichloroethane	0.0400	0.0050	"	0.0400		100	55-136	2	20	
Trichloroethene (TCE)	0.0366	0.0050	"	0.0400		91	77-161	7	20	
Trichlorofluoromethane	0.0387	0.0050	"	0.0400		97	49-186	3	20	
1,2,3-Trichloropropane	0.0436	0.0050	"	0.0400		109	54-136	0.6	20	
1,2,4-Trimethylbenzene	0.0553	0.0050	"	0.0400		138	54-179	8	20	
1,3,5-Trimethylbenzene	0.0545	0.0050	"	0.0400		136	52-178	8	20	
Vinyl chloride	0.0383	0.0050	"	0.0400		96	19-192	3	20	
Xylenes (total)	0.136	0.0050	"	0.120		114	69-156	7	20	
Surrogate: Dibromofluoromethane		*0.0461*	"	*0.0500*		*92*	*78-125*			
Surrogate: Toluene-d8		*0.0479*	"	*0.0500*		*96*	*68-130*			
Surrogate: 4-Bromofluorobenzene		*0.0480*	"	*0.0500*		*96*	*69-122*			

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J0227 - EPA 8260B Preparation: EPA 5035/5030B Solid 10/06/24 09:00										
Duplicate (B4J0227-DUP1) **Source: 2409272-18** Analyzed: 10/06/24 22:59										
Benzene	ND	0.0050	mg/kg		ND				20	
Bromobenzene	ND	0.0050	"		ND				20	
Bromochloromethane	ND	0.0050	"		ND				20	
Bromodichloromethane	ND	0.0050	"		ND				20	
Bromoform	ND	0.0050	"		ND				20	
Bromomethane	ND	0.0050	"		ND				20	
n-Butylbenzene	ND	0.0050	"		ND				20	
sec-Butylbenzene	ND	0.0050	"		ND				20	
tert-Butylbenzene	ND	0.0050	"		ND				20	
Carbon tetrachloride	ND	0.0050	"		ND				20	
Chlorobenzene	ND	0.0050	"		ND				20	
Chloroethane	ND	0.0050	"		ND				20	
Chloroform	ND	0.0050	"		ND				20	
Chloromethane	ND	0.0050	"		ND				20	
2-Chlorotoluene	ND	0.0050	"		ND				20	
4-Chlorotoluene	ND	0.0050	"		ND				20	
Dibromochloromethane	ND	0.0050	"		ND				20	
1,2-Dibromo-3-chloropropane	ND	0.0050	"		ND				20	
1,2-Dibromoethane (EDB)	ND	0.0050	"		ND				20	
Dibromomethane	ND	0.0050	"		ND				20	
1,2-Dichlorobenzene	ND	0.0050	"		ND				20	
1,3-Dichlorobenzene	ND	0.0050	"		ND				20	
1,4-Dichlorobenzene	ND	0.0050	"		ND				20	
Dichlorodifluoromethane	ND	0.0050	"		ND				20	
1,1-Dichloroethane	ND	0.0050	"		ND				20	
1,2-Dichloroethane	ND	0.0050	"		ND				20	
1,1-Dichloroethene	ND	0.0050	"		ND				20	
cis-1,2-Dichloroethene	ND	0.0050	"		ND				20	
trans-1,2-Dichloroethene	ND	0.0050	"		ND				20	
1,2-Dichloropropane	ND	0.0050	"		ND				20	
1,3-Dichloropropane	ND	0.0050	"		ND				20	
2,2-Dichloropropane	ND	0.0050	"		ND				20	
1,1-Dichloropropene	ND	0.0050	"		ND				20	
cis-1,3-Dichloropropene	ND	0.0050	"		ND				20	
trans-1,3-Dichloropropene	ND	0.0050	"		ND				20	
Ethylbenzene	ND	0.0050	"		ND				20	
Hexachlorobutadiene	ND	0.0050	"		ND				20	
4-Isopropyl Toluene	ND	0.0050	"		ND				20	
Isopropylbenzene	ND	0.0050	"		ND				20	
Methylene chloride	ND	0.0050	"		ND				20	
Naphthalene	ND	0.0050	"		ND				20	
n-Propylbenzene	ND	0.0050	"		ND				20	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J0227 - EPA 8260B Preparation: EPA 5035/5030B Solid 10/06/24 09:00										
Duplicate (B4J0227-DUP1) **Source: 2409272-18** Analyzed: 10/06/24 22:59										
Styrene	ND	0.0050	mg/kg		ND				20	
1,1,1,2-Tetrachloroethane	ND	0.0050	"		ND				20	
1,1,2,2-Tetrachloroethane	ND	0.0050	"		ND				20	
Tetrachloroethene (PCE)	ND	0.0050	"		ND				20	
Toluene	ND	0.0050	"		ND				20	
1,2,3-Trichlorobenzene	ND	0.0050	"		ND				20	
1,2,4-Trichlorobenzene	ND	0.0050	"		ND				20	
1,1,1-Trichloroethane	ND	0.0050	"		ND				20	
1,1,2-Trichloroethane	ND	0.0050	"		ND				20	
Trichloroethene (TCE)	ND	0.0050	"		ND				20	
Trichlorofluoromethane	ND	0.0050	"		ND				20	
1,2,3-Trichloropropane	ND	0.0050	"		ND				20	
1,2,4-Trimethylbenzene	ND	0.0050	"		ND				20	
1,3,5-Trimethylbenzene	ND	0.0050	"		ND				20	
Vinyl chloride	ND	0.0050	"		ND				20	
Xylenes (total)	ND	0.0050	"		ND				20	
Surrogate: Dibromofluoromethane		*0.0480*	"	*0.0501*		*96*	*78-125*			
Surrogate: Toluene-d8		*0.0466*	"	*0.0501*		*93*	*68-130*			
Surrogate: 4-Bromofluorobenzene		*0.0491*	"	*0.0501*		*98*	*69-122*			
Matrix Spike (B4J0227-MS1) **Source: 2409272-06** Analyzed: 10/07/24 03:59										
Benzene	0.0374	0.0050	mg/kg	0.0400	ND	93	46-153			
Bromobenzene	0.0380	0.0050	"	0.0400	ND	95	32-153			
Bromochloromethane	0.0386	0.0050	"	0.0400	ND	97	46-151			
Bromodichloromethane	0.0288	0.0050	"	0.0400	ND	72	42-151			
Bromoform	0.0384	0.0050	"	0.0400	ND	96	24-155			
Bromomethane	0.0296	0.0050	"	0.0400	ND	74	10-159			
n-Butylbenzene	0.0372	0.0050	"	0.0400	ND	93	10-203			
sec-Butylbenzene	0.0423	0.0050	"	0.0400	ND	106	10-212			
tert-Butylbenzene	0.0414	0.0050	"	0.0400	ND	103	10-196			
Carbon tetrachloride	0.0313	0.0050	"	0.0400	ND	78	36-180			
Chlorobenzene	0.0394	0.0050	"	0.0400	ND	98	33-158			
Chloroethane	0.0332	0.0050	"	0.0400	ND	83	22-164			
Chloroform	0.0355	0.0050	"	0.0400	ND	89	49-150			
Chloromethane	0.0320	0.0050	"	0.0400	ND	80	10-175			
2-Chlorotoluene	0.0398	0.0050	"	0.0400	ND	99	12-174			
4-Chlorotoluene	0.0340	0.0050	"	0.0400	ND	85	12-170			
Dibromochloromethane	0.0323	0.0050	"	0.0400	ND	81	37-143			
1,2-Dibromo-3-chloropropane	0.0308	0.0050	"	0.0400	ND	77	10-164			
1,2-Dibromoethane (EDB)	0.0370	0.0050	"	0.0400	ND	92	37-146			
Dibromomethane	0.0344	0.0050	"	0.0400	ND	86	44-149			
1,2-Dichlorobenzene	0.0386	0.0050	"	0.0400	ND	97	18-158			

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327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J0227 - EPA 8260B Preparation: EPA 5035/5030B Solid 10/06/24 09:00										
Matrix Spike (B4J0227-MS1) **Source: 2409272-06** Analyzed: 10/07/24 03:59										
1,3-Dichlorobenzene	0.0344	0.0050	mg/kg	0.0400	ND	86	15-162			
1,4-Dichlorobenzene	0.0329	0.0050	"	0.0400	ND	82	15-158			
Dichlorodifluoromethane	0.0267	0.0050	"	0.0400	ND	67	10-227			
1,1-Dichloroethane	0.0393	0.0050	"	0.0400	ND	98	44-160			
1,2-Dichloroethane	0.0322	0.0050	"	0.0400	ND	80	43-147			
1,1-Dichloroethene	0.0406	0.0050	"	0.0400	ND	101	36-183			
cis-1,2-Dichloroethene	0.0377	0.0050	"	0.0400	ND	94	51-150			
trans-1,2-Dichloroethene	0.0374	0.0050	"	0.0400	ND	94	43-165			
1,2-Dichloropropane	0.0368	0.0050	"	0.0400	ND	92	38-153			
1,3-Dichloropropane	0.0345	0.0050	"	0.0400	ND	86	32-143			
2,2-Dichloropropane	0.0288	0.0050	"	0.0400	ND	72	22-188			
1,1-Dichloropropene	0.0354	0.0050	"	0.0400	ND	88	32-179			
cis-1,3-Dichloropropene	0.0274	0.0050	"	0.0400	ND	68	35-151			
trans-1,3-Dichloropropene	0.0328	0.0050	"	0.0400	ND	82	30-160			
Ethylbenzene	0.0379	0.0050	"	0.0400	ND	95	18-181			
Hexachlorobutadiene	0.0337	0.0050	"	0.0400	ND	84	10-212			
4-Isopropyl Toluene	0.0398	0.0050	"	0.0400	ND	100	10-205			
Isopropylbenzene	0.0347	0.0050	"	0.0400	ND	87	19-170			
Methylene chloride	0.0444	0.0050	"	0.0400	ND	111	38-160			
Naphthalene	0.0288	0.0050	"	0.0400	ND	72	10-193			
n-Propylbenzene	0.0346	0.0050	"	0.0400	ND	86	10-190			
Styrene	0.0362	0.0050	"	0.0400	ND	91	20-168			
1,1,1,2-Tetrachloroethane	0.0368	0.0050	"	0.0400	ND	92	40-147			
1,1,2,2-Tetrachloroethane	0.0386	0.0050	"	0.0400	ND	97	10-166			
Tetrachloroethene (PCE)	0.0396	0.0050	"	0.0400	ND	99	28-182			
Toluene	0.0346	0.0050	"	0.0400	ND	86	32-169			
1,2,3-Trichlorobenzene	0.0289	0.0050	"	0.0400	ND	72	10-171			
1,2,4-Trichlorobenzene	0.0307	0.0050	"	0.0400	ND	77	10-171			
1,1,1-Trichloroethane	0.0333	0.0050	"	0.0400	ND	83	45-170			
1,1,2-Trichloroethane	0.0380	0.0050	"	0.0400	ND	95	31-154			
Trichloroethene (TCE)	0.0338	0.0050	"	0.0400	ND	84	44-175			
Trichlorofluoromethane	0.0350	0.0050	"	0.0400	ND	88	30-187			
1,2,3-Trichloropropane	0.0388	0.0050	"	0.0400	ND	97	26-162			
1,2,4-Trimethylbenzene	0.0406	0.0050	"	0.0400	ND	102	10-193			
1,3,5-Trimethylbenzene	0.0402	0.0050	"	0.0400	ND	101	10-186			
Vinyl chloride	0.0358	0.0050	"	0.0400	ND	90	10-188			
Xylenes (total)	0.111	0.0050	"	0.120	ND	92	20-174			
Surrogate: Dibromofluoromethane		*0.0467*	"	*0.0500*		*93*	*78-125*			
Surrogate: Toluene-d8		*0.0472*	"	*0.0500*		*94*	*68-130*			
Surrogate: 4-Bromofluorobenzene		*0.0486*	"	*0.0500*		*97*	*69-122*			

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Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J0238 - EPA 8270-SIM Preparation: EPA 3550C MS 10/07/24 06:07										
Blank (B4J0238-BLK1) Analyzed: 10/07/24 21:27										
Acenaphthene	ND	0.0050	mg/kg							
Acenaphthylene	ND	0.0050	"							
Anthracene	ND	0.0050	"							
Benz (a) anthracene	ND	0.0050	"							
Benzo (b) fluoranthene	ND	0.0050	"							
Benzo (k) fluoranthene	ND	0.0050	"							
Benzo (a) pyrene	ND	0.0050	"							
Benzo (g,h,i) perylene	ND	0.0050	"							
Chrysene	ND	0.0050	"							
Dibenz (a,h) anthracene	ND	0.0050	"							
Fluoranthene	ND	0.0050	"							
Fluorene	ND	0.0050	"							
Indeno (1,2,3-cd) pyrene	ND	0.0050	"							
Naphthalene	ND	0.0050	"							
Phenanthrene	ND	0.0050	"							
Pyrene	ND	0.0050	"							
Surrogate: p-Terphenyl-d14		*0.0386*	*"*	*0.0266*		*145*	*24-189*			
LCS (B4J0238-BS1) Analyzed: 10/07/24 19:58										
Acenaphthene	0.0206	0.0050	mg/kg	0.0266		77	31-116			
Acenaphthylene	0.0190	0.0050	"	0.0266		71	28-120			
Anthracene	0.0223	0.0050	"	0.0266		84	41-126			
Benz (a) anthracene	0.0230	0.0050	"	0.0266		86	44-142			
Benzo (b) fluoranthene	0.0233	0.0050	"	0.0266		87	39-159			
Benzo (k) fluoranthene	0.0306	0.0050	"	0.0266		115	42-150			
Benzo (a) pyrene	0.0243	0.0050	"	0.0266		91	25-161			
Benzo (g,h,i) perylene	0.0290	0.0050	"	0.0266		109	41-136			
Chrysene	0.0250	0.0050	"	0.0266		94	49-132			
Dibenz (a,h) anthracene	0.0280	0.0050	"	0.0266		105	35-152			
Fluoranthene	0.0220	0.0050	"	0.0266		82	47-135			
Fluorene	0.0183	0.0050	"	0.0266		69	26-132			
Indeno (1,2,3-cd) pyrene	0.0286	0.0050	"	0.0266		108	40-143			
Naphthalene	0.0186	0.0050	"	0.0266		70	31-106			
Phenanthrene	0.0226	0.0050	"	0.0266		85	34-132			
Pyrene	0.0226	0.0050	"	0.0266		85	48-134			
Surrogate: p-Terphenyl-d14		*0.0370*	*"*	*0.0266*		*139*	*24-189*			

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Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J0238 - EPA 8270-SIM Preparation: EPA 3550C MS 10/07/24 06:07										
LCS Dup (B4J0238-BSD1)			Analyzed: 10/07/24 20:21							
Acenaphthene	0.0217	0.0050	mg/kg	0.0266		81	31-116	5	30	
Acenaphthylene	0.0203	0.0050	"	0.0266		76	28-120	7	30	
Anthracene	0.0243	0.0050	"	0.0266		91	41-126	9	30	
Benz (a) anthracene	0.0227	0.0050	"	0.0266		85	44-142	1	30	
Benzo (b) fluoranthene	0.0233	0.0050	"	0.0266		88	39-159	0.03	30	
Benzo (k) fluoranthene	0.0306	0.0050	"	0.0266		115	42-150	0.03	30	
Benzo (a) pyrene	0.0250	0.0050	"	0.0266		94	25-161	3	30	
Benzo (g,h,i) perylene	0.0280	0.0050	"	0.0266		105	41-136	3	30	
Chrysene	0.0250	0.0050	"	0.0266		94	49-132	0.03	30	
Dibenz (a,h) anthracene	0.0280	0.0050	"	0.0266		105	35-152	0.03	30	
Fluoranthene	0.0230	0.0050	"	0.0266		86	47-135	4	30	
Fluorene	0.0203	0.0050	"	0.0266		76	26-132	10	30	
Indeno (1,2,3-cd) pyrene	0.0286	0.0050	"	0.0266		108	40-143	0.03	30	
Naphthalene	0.0210	0.0050	"	0.0266		79	31-106	12	30	
Phenanthrene	0.0250	0.0050	"	0.0266		94	34-132	10	30	
Pyrene	0.0240	0.0050	"	0.0266		90	48-134	6	30	
Surrogate: p-Terphenyl-d14		*0.0373*	*"*	*0.0266*		*140*	*24-189*			
Duplicate (B4J0238-DUP1)	**Source: 2409220-06**		Analyzed: 10/07/24 21:49							
Acenaphthene	ND	0.0050	mg/kg		ND				30	
Acenaphthylene	ND	0.0050	"		ND				30	
Anthracene	ND	0.0050	"		ND				30	
Benz (a) anthracene	ND	0.0050	"		ND				30	
Benzo (b) fluoranthene	ND	0.0050	"		ND				30	
Benzo (k) fluoranthene	ND	0.0050	"		ND				30	
Benzo (a) pyrene	ND	0.0050	"		ND				30	
Benzo (g,h,i) perylene	ND	0.0050	"		ND				30	
Chrysene	ND	0.0050	"		ND				30	
Dibenz (a,h) anthracene	ND	0.0050	"		ND				30	
Fluoranthene	ND	0.0050	"		ND				30	
Fluorene	ND	0.0050	"		ND				30	
Indeno (1,2,3-cd) pyrene	ND	0.0050	"		ND				30	
Naphthalene	ND	0.0050	"		ND				30	
Phenanthrene	ND	0.0050	"		ND				30	
Pyrene	ND	0.0050	"		ND				30	
Surrogate: p-Terphenyl-d14		*0.0376*	*"*	*0.0266*		*141*	*24-189*			

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Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B4J0238 - EPA 8270-SIM Preparation: EPA 3550C MS 10/07/24 06:07										
Matrix Spike (B4J0238-MS1) **Source: 2409220-06** Analyzed: 10/07/24 20:43										
Acenaphthene	0.0190	0.0050	mg/kg	0.0267	ND	71	39-109			
Acenaphthylene	0.0173	0.0050	"	0.0267	ND	65	33-114			
Anthracene	0.0213	0.0050	"	0.0267	ND	80	50-118			
Benz (a) anthracene	0.0233	0.0050	"	0.0267	ND	88	47-129			
Benzo (b) fluoranthene	0.0233	0.0050	"	0.0267	ND	88	44-146			
Benzo (k) fluoranthene	0.0307	0.0050	"	0.0267	ND	115	46-139			
Benzo (a) pyrene	0.0257	0.0050	"	0.0267	ND	96	31-143			
Benzo (g,h,i) perylene	0.0290	0.0050	"	0.0267	ND	109	25-132			
Chrysene	0.0250	0.0050	"	0.0267	ND	94	55-119			
Dibenz (a,h) anthracene	0.0293	0.0050	"	0.0267	ND	110	30-139			
Fluoranthene	0.0230	0.0050	"	0.0267	ND	86	50-128			
Fluorene	0.0170	0.0050	"	0.0267	ND	64	38-125			
Indeno (1,2,3-cd) pyrene	0.0317	0.0050	"	0.0267	ND	119	26-137			
Naphthalene	0.0167	0.0050	"	0.0267	ND	62	32-100			
Phenanthrene	0.0223	0.0050	"	0.0267	ND	84	43-125			
Pyrene	0.0243	0.0050	"	0.0267	ND	91	48-129			
Surrogate: p-Terphenyl-d14		*0.0357*	*"*	*0.0267*		*134*	*24-189*			
Matrix Spike Dup (B4J0238-MSD1) **Source: 2409220-06** Analyzed: 10/07/24 21:05										
Acenaphthene	0.0223	0.0050	mg/kg	0.0266	ND	84	39-109	16	30	
Acenaphthylene	0.0217	0.0050	"	0.0266	ND	81	33-114	22	30	
Anthracene	0.0240	0.0050	"	0.0266	ND	90	50-118	12	30	
Benz (a) anthracene	0.0233	0.0050	"	0.0266	ND	88	47-129	0.03	30	
Benzo (b) fluoranthene	0.0230	0.0050	"	0.0266	ND	86	44-146	1	30	
Benzo (k) fluoranthene	0.0303	0.0050	"	0.0266	ND	114	46-139	1	30	
Benzo (a) pyrene	0.0250	0.0050	"	0.0266	ND	94	31-143	3	30	
Benzo (g,h,i) perylene	0.0283	0.0050	"	0.0266	ND	106	25-132	2	30	
Chrysene	0.0250	0.0050	"	0.0266	ND	94	55-119	0.03	30	
Dibenz (a,h) anthracene	0.0283	0.0050	"	0.0266	ND	106	30-139	4	30	
Fluoranthene	0.0237	0.0050	"	0.0266	ND	89	50-128	3	30	
Fluorene	0.0207	0.0050	"	0.0266	ND	78	38-125	19	30	
Indeno (1,2,3-cd) pyrene	0.0283	0.0050	"	0.0266	ND	106	26-137	11	30	
Naphthalene	0.0193	0.0050	"	0.0266	ND	72	32-100	15	30	
Phenanthrene	0.0253	0.0050	"	0.0266	ND	95	43-125	13	30	
Pyrene	0.0247	0.0050	"	0.0266	ND	92	48-129	1	30	
Surrogate: p-Terphenyl-d14		*0.0353*	*"*	*0.0266*		*132*	*24-189*			

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327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Sample Method Summary

Analysis	Method	Matrix	Laboratory & Certification
Polynuclear Aromatic Compounds by GC/MS with Selected Ion Monitoring			
8270C PNA SIM	EPA 8270-SIM	Solid	OEC, Internal
8270C PNA SIM	EPA 8270-SIM	Solid	OEC, NELAP
8270C PNA SIM	EPA 8270-SIM	Solid	OEC, Internal
8270C PNA SIM	EPA 8270-SIM	Solid	OEC, NELAP
8270C PNA SIM	EPA 8270-SIM	Solid	OEC, Internal
Semi-Volatile Organic TPH by GC/FID			
8015 Diesel & Motor Oil List	EPA 8015M	Solid	OEC, Internal
8015 Diesel & Motor Oil List	EPA 8015M	Solid	OEC, CA-ELAP,NELAP
8015 Diesel & Motor Oil List	EPA 8015M	Solid	OEC, Internal
8015 Diesel & Motor Oil List	EPA 8015M	Solid	OEC, CA-ELAP,NELAP
8015 Diesel & Motor Oil List	EPA 8015M	Solid	OEC, Internal
8015 Diesel & Motor Oil List	EPA 8015M	Solid	OEC, CA-ELAP,NELAP
8015 Diesel & Motor Oil List	EPA 8015M	Solid	OEC, Internal
8015 Diesel & Motor Oil List	EPA 8015M	Solid	OEC, CA-ELAP,NELAP
8015 Diesel & Motor Oil List	EPA 8015M	Solid	OEC, Internal
8015 Diesel & Motor Oil List	EPA 8015M	Solid	OEC, CA-ELAP,NELAP
8015 Diesel & Motor Oil List	EPA 8015M	Solid	OEC, Internal
8015 Diesel & Motor Oil List	EPA 8015M	Solid	OEC, CA-ELAP,NELAP
8015 Diesel & Motor Oil List	EPA 8015M	Solid	OEC, Internal
8015 Diesel & Motor Oil List	EPA 8015M	Solid	OEC, CA-ELAP,NELAP
8015 Diesel & Motor Oil List	EPA 8015M	Solid	OEC, Internal
8015 Diesel & Motor Oil List	EPA 8015M	Solid	OEC, CA-ELAP,NELAP
8015 Diesel & Motor Oil List	EPA 8015M	Solid	OEC, Internal
8015 Diesel & Motor Oil List	EPA 8015M	Solid	OEC, CA-ELAP,NELAP
8015 Diesel & Motor Oil List	EPA 8015M	Solid	OEC, Internal
8015 Diesel & Motor Oil List	EPA 8015M	Solid	OEC, CA-ELAP,NELAP
8015 Diesel & Motor Oil List	EPA 8015M	Solid	OEC, Internal
8015 Diesel & Motor Oil List	EPA 8015M	Solid	OEC, CA-ELAP,NELAP
8015 Diesel & Motor Oil List	EPA 8015M	Solid	OEC, Internal
8015 Diesel & Motor Oil List	EPA 8015M	Solid	OEC, CA-ELAP,NELAP
8015 Diesel & Motor Oil List	EPA 8015M	Solid	OEC, Internal
8015 Diesel & Motor Oil List	EPA 8015M	Solid	OEC, CA-ELAP,NELAP
Total Metals by CVAA			
Mercury Total EPA 7471A	EPA 7471A	Solid	OEC, Internal

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Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Sample Method Summary (Continued)

Analysis	Method	Matrix	Laboratory & Certification
Total Metals by ICP			
6010B Total Antimony	EPA 6010B	Solid	OEC, CA-ELAP,NELAP
6010B Total Arsenic	EPA 6010B	Solid	OEC, CA-ELAP,NELAP
6010B Total Barium	EPA 6010B	Solid	OEC, CA-ELAP,NELAP
6010B Total Beryllium	EPA 6010B	Solid	OEC, CA-ELAP,NELAP
6010B Total Cadmium	EPA 6010B	Solid	OEC, CA-ELAP,NELAP
6010B Total Chromium	EPA 6010B	Solid	OEC, CA-ELAP,NELAP
6010B Total Cobalt	EPA 6010B	Solid	OEC, CA-ELAP,NELAP
6010B Total Copper	EPA 6010B	Solid	OEC, CA-ELAP,NELAP
6010B Total Lead	EPA 6010B	Solid	OEC, CA-ELAP,NELAP
6010B Total Molybdenum	EPA 6010B	Solid	OEC, CA-ELAP,NELAP
6010B Total Nickel	EPA 6010B	Solid	OEC, CA-ELAP,NELAP
6010B Total Selenium	EPA 6010B	Solid	OEC, CA-ELAP,NELAP
6010B Total Silver	EPA 6010B	Solid	OEC, CA-ELAP,NELAP
6010B Total Thallium	EPA 6010B	Solid	OEC, CA-ELAP,NELAP
6010B Total Vanadium	EPA 6010B	Solid	OEC, CA-ELAP,NELAP
6010B Total Zinc	EPA 6010B	Solid	OEC, CA-ELAP,NELAP

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327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Sample Method Summary (Continued)

Analysis	Method	Matrix	Laboratory & Certification
Volatile Organic Compounds by GC/MS			
8260B Full List	EPA 8260B	Solid	OEC, CA-ELAP,NELAP 2010 Preisker Lane Ste F Santa Maria, CA 93454
8260B Full List	EPA 8260B	Solid	OEC, Internal 2010 Preisker Lane Ste F Santa Maria, CA 93454
8260B Full List	EPA 8260B	Solid	OEC, CA-ELAP,NELAP 2010 Preisker Lane Ste F Santa Maria, CA 93454
8260B Full List	EPA 8260B	Solid	OEC, Internal 2010 Preisker Lane Ste F Santa Maria, CA 93454
8260B Full List	EPA 8260B	Solid	OEC, CA-ELAP,NELAP 2010 Preisker Lane Ste F Santa Maria, CA 93454
8260B Full List	EPA 8260B	Solid	OEC, Internal 2010 Preisker Lane Ste F Santa Maria, CA 93454
8260B Full List	EPA 8260B	Solid	OEC, CA-ELAP,NELAP 2010 Preisker Lane Ste F Santa Maria, CA 93454
8260B Full List	EPA 8260B	Solid	OEC, Internal 2010 Preisker Lane Ste F Santa Maria, CA 93454
8260B Full List	EPA 8260B	Solid	OEC, CA-ELAP,NELAP 2010 Preisker Lane Ste F Santa Maria, CA 93454
8260B Full List	EPA 8260B	Solid	OEC, Internal 2010 Preisker Lane Ste F Santa Maria, CA 93454
8260B Full List	EPA 8260B	Solid	OEC, CA-ELAP,NELAP 2010 Preisker Lane Ste F Santa Maria, CA 93454
8260B Full List	EPA 8260B	Solid	OEC, Internal 2010 Preisker Lane Ste F Santa Maria, CA 93454
8260B Full List	EPA 8260B	Solid	OEC, CA-ELAP,NELAP 2010 Preisker Lane Ste F Santa Maria, CA 93454
8260B Full List	EPA 8260B	Solid	OEC, Internal 2010 Preisker Lane Ste F Santa Maria, CA 93454

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Sample Method Summary (Continued)

Analysis	Method	Matrix	Laboratory & Certification
8260B Full List	EPA 8260B	Solid	OEC, CA-ELAP,NELAP 2010 Preisker Lane Ste F Santa Maria, CA 93454
8260B Full List	EPA 8260B	Solid	OEC, Internal 2010 Preisker Lane Ste F Santa Maria, CA 93454
8260B Full List	EPA 8260B	Solid	OEC, CA-ELAP,NELAP 2010 Preisker Lane Ste F Santa Maria, CA 93454
8260B Full List	EPA 8260B	Solid	OEC, Internal 2010 Preisker Lane Ste F Santa Maria, CA 93454
8260B Full List	EPA 8260B	Solid	OEC, CA-ELAP,NELAP 2010 Preisker Lane Ste F Santa Maria, CA 93454
8260B Full List	EPA 8260B	Solid	OEC, Internal 2010 Preisker Lane Ste F Santa Maria, CA 93454
8260B Full List	EPA 8260B	Solid	OEC, CA-ELAP,NELAP 2010 Preisker Lane Ste F Santa Maria, CA 93454
8260B Full List	EPA 8260B	Solid	OEC, Internal 2010 Preisker Lane Ste F Santa Maria, CA 93454
8260B Full List	EPA 8260B	Solid	OEC, CA-ELAP,NELAP 2010 Preisker Lane Ste F Santa Maria, CA 93454
8260B Full List	EPA 8260B	Solid	OEC, Internal 2010 Preisker Lane Ste F Santa Maria, CA 93454
Volatile Organic TPH by GC/FID			
8015 TPH-Gasoline	EPA 8015M	Solid	OEC, Internal 2010 Preisker Lane Ste F Santa Maria, CA 93454

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
327A East Haley Street	Project Number: [none]	2409180
Santa Barbara CA, 93101	Project Manager: Steve Campbell	10/21/2024 08:17

Notes and Definitions

Qualifier	Definition
MDL	Method Detection Limit
RL	Reporting Limit (Quantitation Limit)
ND	Analyte NOT DETECTED at or above the method limit (MDL)
RPD	Relative Percent Difference
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS and/or LCSD recovery and/or RPD values.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR-04	The RPD exceeded the QC control limits.
R-05	The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.

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Sample Receipt

Work Order Review is Complete

Work Order

2409180 **Refresh**

Client Name	Temp °C	Thermometer ID	Refrigerator(s)	COC Received	Login
Campbell Geo, Inc.	6	2	8,1	10/03/2024 08:00	10/03/2024 08:02

Recorded Corrected, Acceptable Range 0°C to 6°C (See Exception Notes Below)

Sample Transport

- [x] OECCourier/Sampler
- [ ] After Hours Drop Off
- [ ] Delivery (Other than OEC)
- [ ] Shipment Carrier Tracking#

Custody Seals	[x] None Present		
Cooler(s)	[ ] Present, Intact	[ ] Present, Not Intact	[ ] None
Sample(s)	[ ] Present Intact	[ ] Present, Not Intact	[ ] None

Condition/Preservation

		Yes	No	N/A
[x]	Received On Ice Within Range (Acceptable)			
[ ]	Received Outside Range(Acceptable)			
[ ]	Direct from Field on Ice			
[ ]	Ambient: Air or Filter Matrix			
[ ]	Received Ambient, Placed on Ice			
[ ]	Sample Temperature Accetable for Analysis			
[ ]	Received Outside Range [Exception]*			
[ ]	Insufficient Ice or Unknown			
[ ]	Excessive Free Liquid			
	Completed COCs Received with Sample(s)	[x]	[ ]	
	Correct Container(s) Preserve for Analysis	[x]	[ ]	
	Container(s) Intact and Good Condition	[x]	[ ]	
	Container Label(s) Consistent with COC	[x]	[ ]	
	OEC Preservation Added**	[ ]	[x]	
	Sample Quantity Sufficent	[x]	[ ]	

Containers, COC Changes, And/Or Corrections

Cotainer ID (COC)	Container Description	Home	Matrix	Preservative	pH/Chlorine /Sulfur	Comments
01A	Plastic/Steel/Brass Tube	Fridge 8 - Walk-In	Solid			
01B	20mL VOA	Freezer-VOA1	Solid			
02A	Plastic/Steel/Brass Tube	Fridge 8 - Walk-In	Solid			
02B	20mL VOA	Freezer-VOA1	Solid			
03A	Plastic/Steel/Brass Tube	Fridge 8 - Walk-In	Solid			
03B	20mL VOA	Freezer-VOA1	Solid			
04A	Plastic/Steel/Brass Tube	Fridge 8 - Walk-In	Solid			
04B	20mL VOA	Freezer-VOA1	Solid			
05A	Plastic/Steel/Brass Tube	Fridge 8 - Walk-In	Solid			
05B	20mL VOA	Freezer-VOA1	Solid			
06A	Plastic/Steel/Brass Tube	Fridge 8 - Walk-In	Solid			
06B	20mL VOA	Freezer-VOA1	Solid			
07A	Plastic/Steel/Brass Tube	Fridge 8 - Walk-In	Solid			
07B	20mL VOA	Freezer-VOA1	Solid			
08A	Plastic/Steel/Brass Tube	Fridge 8 - Walk-In	Solid			
08B	20mL VOA	Freezer-VOA1	Solid			
09A	Plastic/Steel/Brass Tube	Fridge 8 - Walk-In	Solid			
09B	20mL VOA	Freezer-VOA1	Solid			
10A	Plastic/Steel/Brass Tube	Fridge 8 - Walk-In	Solid			
10B	20mL VOA	Freezer-VOA1	Solid			
11A	Plastic/Steel/Brass Tube	Fridge 8 - Walk-In	Solid			
11B	20mL VOA	Freezer-VOA1	Solid			
12A	Plastic/Steel/Brass Tube	Fridge 8 - Walk-In	Solid			
12B	20mL VOA	Freezer-VOA1	Solid			
13A	Plastic/Steel/Brass Tube	Fridge 8 - Walk-In	Solid			
13B	20mL VOA	Freezer-VOA1	Solid			
14A	Plastic/Steel/Brass Tube	Fridge 8 - Walk-In	Solid			
14B	20mL VOA	Freezer-VOA1	Solid			
15A	Plastic/Steel/Brass Tube	Fridge 8 - Walk-In	Solid			
15B	20mL VOA	Freezer-VOA1	Solid			
16A	Plastic/Steel/Brass Tube	Fridge 8 - Walk-In	Solid			
16B	20mL VOA	Freezer-VOA1	Solid			
17A	Plastic/Steel/Brass Tube	Fridge 8 - Walk-In	Solid			
17B	20mL VOA	Freezer-VOA1	Solid			
18A	Plastic/Steel/Brass Tube	Fridge 8 - Walk-In	Solid			
18B	20mL VOA	Freezer-VOA1	Solid			
19A	Plastic/Steel/Brass Tube	Fridge 8 - Walk-In	Solid			
19B	20mL VOA	Freezer-VOA1	Solid			
20A	Plastic/Steel/Brass Tube	Fridge 8 - Walk-In	Solid			
20B	20mL VOA	Freezer-VOA1	Solid			
21A	Plastic/Steel/Brass Tube	Fridge 8 - Walk-In	Solid			
21B	20mL VOA	Freezer-VOA1	Solid			

22A	Plastic/Steel/Brass Tube	Fridge 8 - Walk-In	Solid			
22B	20mL VOA	Freezer-VOA1	Solid			
23A	Plastic/Steel/Brass Tube	Fridge 8 - Walk-In	Solid			
23B	20mL VOA	Freezer-VOA1	Solid			
24A	Plastic/Steel/Brass Tube	Fridge 8 - Walk-In	Solid			
24B	20mL VOA	Freezer-VOA1	Solid			

Receipt Login By:
DA-10/03/24 01:52

Receipt Reviewed By:
GSR-10/03/24 04:48

Oilfield Environmental & Compliance, Inc.
307 Roemer Way Suite 300, Santa Maria, CA 93454
Phone: (805) 922-4772 Fax: (805) 925-3376 www.oecusa.com
101 Adkisson Way, Taft, CA 93268 Phone: (661) 762-9143

OEC Work Order (Lab Use Only): 2409180

CHAIN OF CUSTODY

Rev.01/02/2020

Page 1 of 3

Company: CAMPBELL GEO
Address: on file
Phone: Email:
Report To: S. Campbell
Sampler (Print): S. CAMPBELL

Project Name / No: SANDPIPER
Site: PO #:
Comments: 6.0

Report Format(s): PDF(std) ☒ EDD ☒ EDF(i) ☒ WellSTAR(i) ☐ LTS(i) ☐
OTHER (Custom) EDD ☐:
(i) EDF Global ID/Log Code, LTS(SDWIS) PWS: T10000021104
WellSTAR Facility / API# / Entity#:

Requested Turnaround Time [TAT]: (Surcharges apply to any TAT other than 'Standard'):
ASAP ☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ 5 Day ☐ Standard ☒

* A=air/vapor, P=product/oil, S=solid/sediment, Waters (DW=drinking, GW=ground, PW=produced, WW=waste)

Lab Use Only	Date/Time Sampled	Matrix*	# of Cont.	Sample ID	TPH-g,-d,-o	VOCs	CAM 17	PAHs	Special Instructions
	10/2/24 0943	S	1	CB-1e3'	X	X	X		1
	0957			CB-1e10'					2
	0958			CB-1e15'					3
	1035			CB-2e3'					4
	1045			CB-2e5				X	5
	1050			CB-2e10'				X	6
	1105			CB-2e15'					7
	0800			CB-3e1'					8
	0810			CB-3e5'					9
	0820			CB-3e15'					10

Relinquished by (Print & Signature)	Received by (Print & Signature)	Date	Time
S. Campbell S. CAMPBELL	Don Robinson	10/2/24	1832
Don Robinson	Daniel	10.3.24	0800

Oilfield Environmental & Compliance, Inc.
307 Roemer Way Suite 300, Santa Maria, CA 93454
Phone: (805) 922-4772 Fax: (805) 925-3376 www.oecusa.com
101 Adkisson Way, Taft, CA 93268 Phone: (661) 762-9143

OEC Work Order (Lab Use Only): 2409180

CHAIN OF CUSTODY

Rev 01/02/2020

Company: CAMPBELL GEO
Address: on file
Phone: Email:
Report To: S. Campbell
Sampler (Print): S. CAMPBELL

Project Name / No: SANDPIPER
Site: PO #:
Comments:

Report Format(s): PDF(std) ☒ EDD ☒ EDF[1] ☒ WellSTAR[1] ☐ LTS[1] ☐
OTHER (Custom) EDD ☐:
[1] EDF Global ID/Log Code, LTS(SDWIS) PWS: T10000021104
WellSTAR Facility / API# / Entity#:

Requested Turnaround Time [TAT]: (Surcharges apply to any TAT other than 'Standard'):
ASAP ☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ 5 Day ☐ Standard ☒

* A=air/vapor, P=product/oil, S=solid/sediment, Waters (DW=drinking, GW=ground, PW=produced, WW=waste)

Lab Use Only	Date/Time Sampled	Matrix*	# of Cont.	Sample ID	Analysis Requested: TPH-3,-d,-o	VOCs	CAM 17	PAHs	Special Instructions
	10/2/24 1725	S	1	CB-4e3'	X	X	X		
	1730			CB-4e5'					11
	1635			CB-5e3'					12
	1645			CB-5e5'					13
	1650			CB-5e10'					14
	1355			CB-6e3'					15
	1358			CB-6e5'					16
	1400			CB-6e10'					17
	1520			CB-7e3'					18
	1527			CB-7e5'					19
									20

Relinquished by (Print & Signature): S. CAMPBELL	Received by (Print & Signature): Don Robinson	Date: 10-2-24	Time: 1832
Relinquished by (Print & Signature): Don Robinson	Received by (Print & Signature):	Date: 10/3/24	Time: 0800
Relinquished by (Print & Signature):	Received by (Print & Signature):	Date:	Time:

Oilfield Environmental & Compliance, Inc.

307 Roemer Way Suite 300, Santa Maria, CA 93454
Phone: (805) 922-4772 Fax: (805) 925-3376 www.oecusa.com
101 Adkisson Way, Taft, CA 93268 Phone: (661) 762-9143

OEC Work Order (Lab Use Only): 24Ø9189

CHAIN OF CUSTODY

Rev 01/02/2020

Company: CAMPBELL GEO
Address: on file
Phone:
Email:
Report To: S. Campbell
Sampler (Print): S. CAMPBELL

Project Name / No: SANDPIPER
Site:
PO #:
Comments:

Report Format(s): PDF(std) ☒ EDD ☒ EDF[i] ☒ WellSTAR[i] ☐ LTS[i] ☐
OTHER (Custom) EDD ☐:
[i] EDF Global ID/Log Code, LTS(SDWIS) PWS: WellSTAR Facility / API# / Entity#: T10000021104

Requested Turnaround Time [TAT]: (Surcharges apply to any TAT other than 'Standard'):
ASAP ☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ 5 Day ☐ Standard ☒

* A=air/vapor, P=product/oil, S=solid/sediment, Waters (DW=drinking, GW=ground, PW=produced, WW=waste)

Lab Use Only	Date/Time Sampled	Matrix*	# of Cont.	Sample ID	TPH-g,d,o	VOCs	CAM 17	PAHs	Special Instructions
	10/2/24 1535	S	1	CB-7@10'	X	X	X	X	
	1440			CB-8@3'					21
	1445			CB-8@5'					22
	1447			CB-8@10'				X	23
									24

Relinquished by (Print & Signature)	Received by (Print & Signature)	Date	Time
S. CAMPBELL S. Campbell	Don Robinson Don Rob	10-2-24	1837
Don Robinson Don Rob	[illegible] [illegible]	10/3/24	Ø8Ø4

JONES ENVIRONMENTAL, INC.

714-449-9937
562-646-1611

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

21 November 2024

Steve Campbell
Campbell Geo
327 E. Haley St.
Santa Barbara, CA 93101

Re: Sandpiper

Enclosed are the results of analyses for samples received by the laboratory on 11/07/24. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Colby Wakeman
Lab Director

JONES ENVIRONMENTAL, INC.

11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
714-449-9937 PHONE
562-646-1611 FAX

Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	11/21/24 14:55

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CB-3-5	J243309-001	Soil Vapor	11/05/2024 10:08	11/07/2024 12:47
CB-3-15	J243309-002	Soil Vapor	11/05/2024 10:09	11/07/2024 12:47
CB-3-15-REP	J243309-003	Soil Vapor	11/05/2024 10:19	11/07/2024 12:47
CB-1-5	J243309-004	Soil Vapor	11/05/2024 10:22	11/07/2024 12:47
CB-1-15	J243309-005	Soil Vapor	11/05/2024 10:23	11/07/2024 12:47
CB-2-15	J243309-006	Soil Vapor	11/05/2024 10:46	11/07/2024 12:47

Jones Environmental, Inc.

Colby Wakeman
Lab Director

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JONES ENVIRONMENTAL, INC.

11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
714-449-9937 PHONE
562-646-1611 FAX

Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	11/21/24 14:55

DETECTIONS SUMMARY

Sample ID: CB-3-5 **Laboratory ID:** J243309-001

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	12	8	µg/m3	EPA 8260	

Sample ID: CB-3-15 **Laboratory ID:** J243309-002

Analyte	Result	Reporting Limit	Units	Method	Notes
Chloroform	53	8	µg/m3	EPA 8260	
Freon 12	183	16	µg/m3	EPA 8260	
Tetrachloroethene	16	8	µg/m3	EPA 8260	

Sample ID: CB-3-15-REP **Laboratory ID:** J243309-003

Analyte	Result	Reporting Limit	Units	Method	Notes
Chloroform	33	8	µg/m3	EPA 8260	
Freon 12	129	16	µg/m3	EPA 8260	
Tetrachloroethene	8	8	µg/m3	EPA 8260	

Sample ID: CB-1-5 **Laboratory ID:** J243309-004

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	12	8	µg/m3	EPA 8260	

Sample ID: CB-1-15 **Laboratory ID:** J243309-005

Analyte	Result	Reporting Limit	Units	Method	Notes
Freon 12	22	16	µg/m3	EPA 8260	
Tetrachloroethene	32	8	µg/m3	EPA 8260	

Sample ID: CB-2-15 **Laboratory ID:** J243309-006

Analyte	Result	Reporting Limit	Units	Method	Notes
Freon 12	57	16	µg/m3	EPA 8260	

Jones Environmental, Inc.



Colby Wakeman
Lab Director

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JONES ENVIRONMENTAL, INC.

11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
714-449-9937 PHONE
562-646-1611 FAX

Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	11/21/24 14:55

DETECTIONS SUMMARY

Sample ID: CB-2-15 **Laboratory ID:** J243309-006

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	12	8	µg/m3	EPA 8260	

JONES ENVIRONMENTAL, INC.

11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
714-449-9937 PHONE
562-646-1611 FAX

Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	11/21/24 14:55

CB-3-5
J243309-001(Soil Vapor)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyzed	Method	Notes
Standard ug/m3 HL by EPA 8260								
Benzene	ND	8	µg/m3	1	QC2411237	11/13/24	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"	"	"	
Bromoform	ND	8	µg/m3	"	"	"	"	
n-Butylbenzene	ND	12	µg/m3	"	"	"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"	"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"	"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"	"	"	
Chlorobenzene	ND	8	µg/m3	"	"	"	"	
Chloroform	ND	8	µg/m3	"	"	"	"	
Dibromochloromethane	ND	8	µg/m3	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"	"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
Freon 12	ND	16	µg/m3	"	"	"	"	
Freon 11	ND	16	µg/m3	"	"	"	"	
Freon 113	ND	16	µg/m3	"	"	"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"	"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"	"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"	"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"	"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"	"	"	
Ethylbenzene	ND	8	µg/m3	"	"	"	"	
Isopropylbenzene	ND	8	µg/m3	"	"	"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"	"	"	
Methylene chloride (TIC)	ND	16	µg/m3	"	"	"	"	
Naphthalene	ND	40	µg/m3	"	"	"	"	
n-Propylbenzene	ND	8	µg/m3	"	"	"	"	
Styrene	ND	8	µg/m3	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"	"	"	
Tetrachloroethene	12	8	µg/m3	"	"	"	"	
Toluene	ND	8	µg/m3	"	"	"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"	"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"	"	"	
Trichloroethene	ND	8	µg/m3	"	"	"	"	
1,2,4-Trimethylbenzene	ND	8	µg/m3	"	"	"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"	"	"	

Jones Environmental, Inc.



Colby Wakeman
Lab Director

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JONES ENVIRONMENTAL, INC.

11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
714-449-9937 PHONE
562-646-1611 FAX

Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	11/21/24 14:55

CB-3-5
J243309-001(Soil Vapor)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyzed	Method	Notes
Standard ug/m3 HL by EPA 8260								
Vinyl chloride	ND	8	µg/m3	1	QC2411237	11/13/24	EPA 8260	
m,p-Xylene	ND	16	µg/m3	"	"	"	"	
o-Xylene	ND	8	µg/m3	"	"	"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"	"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"	"	"	
Di-isopropylether	ND	40	µg/m3	"	"	"	"	
tert-amylmethylether	ND	40	µg/m3	"	"	"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2000	µg/m3	"	"	"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"	"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"	"	"	
Acetone (LCC)	ND	80	µg/m3	"	"	"	"	
Surrogate: Toluene-d8	*93.32 %*	*60 - 140*						
Surrogate: Dibromofluoromethane	*99.08 %*	*60 - 140*						
Surrogate: 4-Bromofluorobenzene	*100.69 %*	*60 - 140*						

Jones Environmental, Inc.



Colby Wakeman
Lab Director

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JONES ENVIRONMENTAL, INC.

11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
714-449-9937 PHONE
562-646-1611 FAX

Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	11/21/24 14:55

CB-3-15
J243309-002(Soil Vapor)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyzed	Method	Notes
Standard ug/m3 HL by EPA 8260								
Benzene	ND	8	µg/m3	1	QC2411237	11/13/24	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"	"	"	
Bromoform	ND	8	µg/m3	"	"	"	"	
n-Butylbenzene	ND	12	µg/m3	"	"	"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"	"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"	"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"	"	"	
Chlorobenzene	ND	8	µg/m3	"	"	"	"	
Chloroform	53	8	µg/m3	"	"	"	"	
Dibromochloromethane	ND	8	µg/m3	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"	"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
Freon 12	183	16	µg/m3	"	"	"	"	
Freon 11	ND	16	µg/m3	"	"	"	"	
Freon 113	ND	16	µg/m3	"	"	"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"	"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"	"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"	"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"	"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"	"	"	
Ethylbenzene	ND	8	µg/m3	"	"	"	"	
Isopropylbenzene	ND	8	µg/m3	"	"	"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"	"	"	
Methylene chloride (TIC)	ND	16	µg/m3	"	"	"	"	
Naphthalene	ND	40	µg/m3	"	"	"	"	
n-Propylbenzene	ND	8	µg/m3	"	"	"	"	
Styrene	ND	8	µg/m3	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"	"	"	
Tetrachloroethene	16	8	µg/m3	"	"	"	"	
Toluene	ND	8	µg/m3	"	"	"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"	"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"	"	"	
Trichloroethene	ND	8	µg/m3	"	"	"	"	
1,2,4-Trimethylbenzene	ND	8	µg/m3	"	"	"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"	"	"	

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11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
714-449-9937 PHONE
562-646-1611 FAX

Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	11/21/24 14:55

CB-3-15
J243309-002(Soil Vapor)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyzed	Method	Notes
Standard ug/m3 HL by EPA 8260								
Vinyl chloride	ND	8	µg/m3	1	QC2411237	11/13/24	EPA 8260	
m,p-Xylene	ND	16	µg/m3	"	"	"	"	
o-Xylene	ND	8	µg/m3	"	"	"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"	"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"	"	"	
Di-isopropylether	ND	40	µg/m3	"	"	"	"	
tert-amylmethylether	ND	40	µg/m3	"	"	"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2000	µg/m3	"	"	"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"	"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"	"	"	
Acetone (LCC)	ND	80	µg/m3	"	"	"	"	

Surrogate: Toluene-d8	*93.96 %*	*60 - 140*
Surrogate: Dibromofluoromethane	*96.78 %*	*60 - 140*
Surrogate: 4-Bromofluorobenzene	*101.99 %*	*60 - 140*

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Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	11/21/24 14:55

CB-3-15-REP
J243309-003(Soil Vapor)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyzed	Method	Notes
Standard ug/m3 HL by EPA 8260								
Benzene	ND	8	µg/m3	1	QC2411237	11/13/24	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"	"	"	
Bromoform	ND	8	µg/m3	"	"	"	"	
n-Butylbenzene	ND	12	µg/m3	"	"	"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"	"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"	"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"	"	"	
Chlorobenzene	ND	8	µg/m3	"	"	"	"	
Chloroform	33	8	µg/m3	"	"	"	"	
Dibromochloromethane	ND	8	µg/m3	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"	"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
Freon 12	129	16	µg/m3	"	"	"	"	
Freon 11	ND	16	µg/m3	"	"	"	"	
Freon 113	ND	16	µg/m3	"	"	"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"	"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"	"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"	"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"	"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"	"	"	
Ethylbenzene	ND	8	µg/m3	"	"	"	"	
Isopropylbenzene	ND	8	µg/m3	"	"	"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"	"	"	
Methylene chloride (TIC)	ND	16	µg/m3	"	"	"	"	
Naphthalene	ND	40	µg/m3	"	"	"	"	
n-Propylbenzene	ND	8	µg/m3	"	"	"	"	
Styrene	ND	8	µg/m3	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"	"	"	
Tetrachloroethene	8	8	µg/m3	"	"	"	"	
Toluene	ND	8	µg/m3	"	"	"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"	"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"	"	"	
Trichloroethene	ND	8	µg/m3	"	"	"	"	
1,2,4-Trimethylbenzene	ND	8	µg/m3	"	"	"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"	"	"	

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Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	11/21/24 14:55

CB-3-15-REP
J243309-003(Soil Vapor)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyzed	Method	Notes
Standard ug/m3 HL by EPA 8260								
Vinyl chloride	ND	8	µg/m3	1	QC2411237	11/13/24	EPA 8260	
m,p-Xylene	ND	16	µg/m3	"	"	"	"	
o-Xylene	ND	8	µg/m3	"	"	"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"	"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"	"	"	
Di-isopropylether	ND	40	µg/m3	"	"	"	"	
tert-amylmethylether	ND	40	µg/m3	"	"	"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2000	µg/m3	"	"	"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"	"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"	"	"	
Acetone (LCC)	ND	80	µg/m3	"	"	"	"	

Surrogate: Toluene-d8	*94.52 %*	*60 - 140*
Surrogate: Dibromofluoromethane	*95.36 %*	*60 - 140*
Surrogate: 4-Bromofluorobenzene	*100.12 %*	*60 - 140*

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Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	11/21/24 14:55

CB-1-5
J243309-004(Soil Vapor)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyzed	Method	Notes
Standard ug/m3 HL by EPA 8260								
Benzene	ND	8	µg/m3	1	QC2411237	11/13/24	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"	"	"	
Bromoform	ND	8	µg/m3	"	"	"	"	
n-Butylbenzene	ND	12	µg/m3	"	"	"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"	"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"	"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"	"	"	
Chlorobenzene	ND	8	µg/m3	"	"	"	"	
Chloroform	ND	8	µg/m3	"	"	"	"	
Dibromochloromethane	ND	8	µg/m3	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"	"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
Freon 12	ND	16	µg/m3	"	"	"	"	
Freon 11	ND	16	µg/m3	"	"	"	"	
Freon 113	ND	16	µg/m3	"	"	"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"	"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"	"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"	"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"	"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"	"	"	
Ethylbenzene	ND	8	µg/m3	"	"	"	"	
Isopropylbenzene	ND	8	µg/m3	"	"	"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"	"	"	
Methylene chloride (TIC)	ND	16	µg/m3	"	"	"	"	
Naphthalene	ND	40	µg/m3	"	"	"	"	
n-Propylbenzene	ND	8	µg/m3	"	"	"	"	
Styrene	ND	8	µg/m3	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"	"	"	
Tetrachloroethene	12	8	µg/m3	"	"	"	"	
Toluene	ND	8	µg/m3	"	"	"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"	"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"	"	"	
Trichloroethene	ND	8	µg/m3	"	"	"	"	
1,2,4-Trimethylbenzene	ND	8	µg/m3	"	"	"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"	"	"	

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Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	11/21/24 14:55

CB-1-5
J243309-004(Soil Vapor)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyzed	Method	Notes
Standard ug/m3 HL by EPA 8260								
Vinyl chloride	ND	8	µg/m3	1	QC2411237	11/13/24	EPA 8260	
m,p-Xylene	ND	16	µg/m3	"	"	"	"	
o-Xylene	ND	8	µg/m3	"	"	"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"	"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"	"	"	
Di-isopropylether	ND	40	µg/m3	"	"	"	"	
tert-amylmethylether	ND	40	µg/m3	"	"	"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2000	µg/m3	"	"	"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"	"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"	"	"	
Acetone (LCC)	ND	80	µg/m3	"	"	"	"	
Surrogate: Toluene-d8	*91.77 %*	*60 - 140*						
Surrogate: Dibromofluoromethane	*96.17 %*	*60 - 140*						
Surrogate: 4-Bromofluorobenzene	*103.10 %*	*60 - 140*						

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Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	11/21/24 14:55

CB-1-15
J243309-005(Soil Vapor)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyzed	Method	Notes
Standard ug/m3 HL by EPA 8260								
Benzene	ND	8	µg/m3	1	QC2411237	11/13/24	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"	"	"	
Bromoform	ND	8	µg/m3	"	"	"	"	
n-Butylbenzene	ND	12	µg/m3	"	"	"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"	"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"	"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"	"	"	
Chlorobenzene	ND	8	µg/m3	"	"	"	"	
Chloroform	ND	8	µg/m3	"	"	"	"	
Dibromochloromethane	ND	8	µg/m3	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"	"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
Freon 12	22	16	µg/m3	"	"	"	"	
Freon 11	ND	16	µg/m3	"	"	"	"	
Freon 113	ND	16	µg/m3	"	"	"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"	"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"	"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"	"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"	"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"	"	"	
Ethylbenzene	ND	8	µg/m3	"	"	"	"	
Isopropylbenzene	ND	8	µg/m3	"	"	"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"	"	"	
Methylene chloride (TIC)	ND	16	µg/m3	"	"	"	"	
Naphthalene	ND	40	µg/m3	"	"	"	"	
n-Propylbenzene	ND	8	µg/m3	"	"	"	"	
Styrene	ND	8	µg/m3	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"	"	"	
Tetrachloroethene	32	8	µg/m3	"	"	"	"	
Toluene	ND	8	µg/m3	"	"	"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"	"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"	"	"	
Trichloroethene	ND	8	µg/m3	"	"	"	"	
1,2,4-Trimethylbenzene	ND	8	µg/m3	"	"	"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"	"	"	

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Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	11/21/24 14:55

CB-1-15
J243309-005(Soil Vapor)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyzed	Method	Notes
Standard ug/m3 HL by EPA 8260								
Vinyl chloride	ND	8	µg/m3	1	QC2411237	11/13/24	EPA 8260	
m,p-Xylene	ND	16	µg/m3	"	"	"	"	
o-Xylene	ND	8	µg/m3	"	"	"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"	"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"	"	"	
Di-isopropylether	ND	40	µg/m3	"	"	"	"	
tert-amylmethylether	ND	40	µg/m3	"	"	"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2000	µg/m3	"	"	"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"	"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"	"	"	
Acetone (LCC)	ND	80	µg/m3	"	"	"	"	
Surrogate: Toluene-d8	*94.11 %*	*60 - 140*						
Surrogate: Dibromofluoromethane	*97.73 %*	*60 - 140*						
Surrogate: 4-Bromofluorobenzene	*99.82 %*	*60 - 140*						

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Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	11/21/24 14:55

CB-2-15
J243309-006(Soil Vapor)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyzed	Method	Notes
Standard ug/m3 HL by EPA 8260								
Benzene	ND	8	µg/m3	1	QC2411237	11/13/24	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"	"	"	
Bromoform	ND	8	µg/m3	"	"	"	"	
n-Butylbenzene	ND	12	µg/m3	"	"	"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"	"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"	"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"	"	"	
Chlorobenzene	ND	8	µg/m3	"	"	"	"	
Chloroform	ND	8	µg/m3	"	"	"	"	
Dibromochloromethane	ND	8	µg/m3	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"	"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
Freon 12	57	16	µg/m3	"	"	"	"	
Freon 11	ND	16	µg/m3	"	"	"	"	
Freon 113	ND	16	µg/m3	"	"	"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"	"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"	"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"	"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"	"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"	"	"	
Ethylbenzene	ND	8	µg/m3	"	"	"	"	
Isopropylbenzene	ND	8	µg/m3	"	"	"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"	"	"	
Methylene chloride (TIC)	ND	16	µg/m3	"	"	"	"	
Naphthalene	ND	40	µg/m3	"	"	"	"	
n-Propylbenzene	ND	8	µg/m3	"	"	"	"	
Styrene	ND	8	µg/m3	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"	"	"	
Tetrachloroethene	12	8	µg/m3	"	"	"	"	
Toluene	ND	8	µg/m3	"	"	"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"	"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"	"	"	
Trichloroethene	ND	8	µg/m3	"	"	"	"	
1,2,4-Trimethylbenzene	ND	8	µg/m3	"	"	"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"	"	"	

Jones Environmental, Inc.



Colby Wakeman
Lab Director

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JONES ENVIRONMENTAL, INC.

11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
714-449-9937 PHONE
562-646-1611 FAX

Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	11/21/24 14:55

CB-2-15
J243309-006(Soil Vapor)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyzed	Method	Notes
Standard ug/m3 HL by EPA 8260								
Vinyl chloride	ND	8	µg/m3	1	QC2411237	11/13/24	EPA 8260	
m,p-Xylene	ND	16	µg/m3	"	"	"	"	
o-Xylene	ND	8	µg/m3	"	"	"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"	"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"	"	"	
Di-isopropylether	ND	40	µg/m3	"	"	"	"	
tert-amylmethylether	ND	40	µg/m3	"	"	"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2000	µg/m3	"	"	"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"	"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"	"	"	
Acetone (LCC)	ND	80	µg/m3	"	"	"	"	
Surrogate: Toluene-d8	*93.58 %*	*60 - 140*						
Surrogate: Dibromofluoromethane	*98.94 %*	*60 - 140*						
Surrogate: 4-Bromofluorobenzene	*101.60 %*	*60 - 140*						

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Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	11/21/24 14:55

Standard ug/m3 HL by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	%REC Limits	Notes
Batch QC2411237 - EPA 8260										
CCV 1										
Benzene	254	8	%	250		102	80 - 120		120	
Chlorobenzene	257	8	%	250		103	80 - 120		120	
1,1-Dichloroethene	234	8	%	250		94	80 - 120		120	
cis-1,2-Dichloroethene	237	8	%	250		95	80 - 120		120	
Ethylbenzene	254	8	%	250		102	80 - 120		120	
Tetrachloroethene	252	8	%	250		101	80 - 120		120	
Toluene	243	8	%	250		97	80 - 120		120	
1,1,1-Trichloroethane	245	8	%	250		98	80 - 120		120	
Trichloroethene	247	8	%	250		99	80 - 120		120	
1,2,4-Trimethylbenzene	272	8	%	250		109	80 - 120		120	
Vinyl chloride	239	8	%	250		96	80 - 120		120	
LCS 1										
Benzene	52.6	8	%	50		105	70 - 130			
Chlorobenzene	53.6	8	%	50		107	70 - 130			
1,1-Dichloroethene	46.2	8	%	50		92	60 - 140			
cis-1,2-Dichloroethene	49.7	8	%	50		99	70 - 130			
Ethylbenzene	51.6	8	%	50		103	70 - 130			
Tetrachloroethene	48.6	8	%	50		97	70 - 130			
Toluene	51.3	8	%	50		103	70 - 130			
1,1,1-Trichloroethane	48.9	8	%	50		98	70 - 130			
Trichloroethene	51.3	8	%	50		103	70 - 130			
1,2,4-Trimethylbenzene	57.0	8	%	50		114	70 - 130			
Vinyl chloride	43.9	8	%	50		88	60 - 140			
Surrogate: Toluene-d8		*94.55 %*	*60 - 140*							
Surrogate: Dibromofluoromethane		*101.26 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene		*103.48 %*	*60 - 140*							
LCSD 1										
Benzene	57.1	8	%	50		114		8.12		
Chlorobenzene	57.7	8	%	50		115		7.33		
1,1-Dichloroethene	50.6	8	%	50		101		9.22		
cis-1,2-Dichloroethene	53.3	8	%	50		107		7.02		
Ethylbenzene	57.0	8	%	50		114		10.02		
Tetrachloroethene	54.5	8	%	50		109		11.38		
Toluene	55.4	8	%	50		111		7.82		
1,1,1-Trichloroethane	54.3	8	%	50		109		10.38		

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Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	11/21/24 14:55

Standard ug/m3 HL by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	%REC Limits	Notes
Batch QC2411237 - EPA 8260										
LCSD 1										
Trichloroethene	57.1	8	%	50		114		10.66		
1,2,4-Trimethylbenzene	60.1	8	%	50		120		5.34		
Vinyl chloride	47.7	8	%	50		95		8.31		
Surrogate: Toluene-d8		*94.75 %*	*60 - 140*							
Surrogate: Dibromofluoromethane		*101.04 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene		*103.27 %*	*60 - 140*							
Method Blank 1										
Benzene	ND	8	µg/m3							
Bromodichloromethane	ND	8	µg/m3							
Bromoform	ND	8	µg/m3							
n-Butylbenzene	ND	12	µg/m3							
sec-Butylbenzene	ND	12	µg/m3							
tert-Butylbenzene	ND	12	µg/m3							
Carbon tetrachloride	ND	8	µg/m3							
Chlorobenzene	ND	8	µg/m3							
Chloroform	ND	8	µg/m3							
Dibromochloromethane	ND	8	µg/m3							
1,2-Dibromoethane (EDB)	ND	8	µg/m3							
1,2-Dichlorobenzene	ND	16	µg/m3							
1,3-Dichlorobenzene	ND	16	µg/m3							
1,4-Dichlorobenzene	ND	16	µg/m3							
Freon 12	ND	16	µg/m3							
Freon 11	ND	16	µg/m3							
Freon 113	ND	16	µg/m3							
1,1-Dichloroethane	ND	8	µg/m3							
1,2-Dichloroethane	ND	8	µg/m3							
1,1-Dichloroethene	ND	8	µg/m3							
cis-1,2-Dichloroethene	ND	8	µg/m3							
trans-1,2-Dichloroethene	ND	8	µg/m3							
Ethylbenzene	ND	8	µg/m3							
Isopropylbenzene	ND	8	µg/m3							
4-Isopropyltoluene	ND	8	µg/m3							
Methylene chloride (TIC)	ND	16	µg/m3							
Naphthalene	ND	40	µg/m3							
n-Propylbenzene	ND	8	µg/m3							

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Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	11/21/24 14:55

Standard ug/m3 HL by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	%REC Limits	Notes
Batch QC2411237 - EPA 8260										
Method Blank 1										
Styrene	ND	8	µg/m3							
1,1,1,2-Tetrachloroethane	ND	8	µg/m3							
1,1,2,2-Tetrachloroethane	ND	16	µg/m3							
Tetrachloroethene	ND	8	µg/m3							
Toluene	ND	8	µg/m3							
1,1,1-Trichloroethane	ND	8	µg/m3							
1,1,2-Trichloroethane	ND	8	µg/m3							
Trichloroethene	ND	8	µg/m3							
1,2,4-Trimethylbenzene	ND	8	µg/m3							
1,3,5-Trimethylbenzene	ND	8	µg/m3							
Vinyl chloride	ND	8	µg/m3							
m,p-Xylene	ND	16	µg/m3							
o-Xylene	ND	8	µg/m3							
Methyl-tert-butylether	ND	40	µg/m3							
Ethyl-tert-butylether	ND	40	µg/m3							
Di-isopropylether	ND	40	µg/m3							
tert-amylmethylether	ND	40	µg/m3							
tert-Butylalcohol	ND	400	µg/m3							
Gasoline Range Organics (C4-C12)	ND	2000	µg/m3							
n-Hexane (LCC)	ND	80	µg/m3							
n-Pentane (LCC)	ND	80	µg/m3							
Acetone (LCC)	ND	80	µg/m3							
Surrogate: Toluene-d8		*94.84 %*	*60 - 140*							
Surrogate: Dibromofluoromethane		*100.03 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene		*102.22 %*	*60 - 140*							
Sample Blank 1										
Benzene	ND	8	µg/m3							
Bromodichloromethane	ND	8	µg/m3							
Bromoform	ND	8	µg/m3							
n-Butylbenzene	ND	12	µg/m3							
sec-Butylbenzene	ND	12	µg/m3							
tert-Butylbenzene	ND	12	µg/m3							
Carbon tetrachloride	ND	8	µg/m3							
Chlorobenzene	ND	8	µg/m3							
Chloroform	ND	8	µg/m3							

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Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	11/21/24 14:55

Standard ug/m3 HL by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	%REC Limits	Notes
Batch QC2411237 - EPA 8260										
Sample Blank 1										
Dibromochloromethane	ND	8	µg/m3							
1,2-Dibromoethane (EDB)	ND	8	µg/m3							
1,2-Dichlorobenzene	ND	16	µg/m3							
1,3-Dichlorobenzene	ND	16	µg/m3							
1,4-Dichlorobenzene	ND	16	µg/m3							
Freon 12	ND	16	µg/m3							
Freon 11	ND	16	µg/m3							
Freon 113	ND	16	µg/m3							
1,1-Dichloroethane	ND	8	µg/m3							
1,2-Dichloroethane	ND	8	µg/m3							
1,1-Dichloroethene	ND	8	µg/m3							
cis-1,2-Dichloroethene	ND	8	µg/m3							
trans-1,2-Dichloroethene	ND	8	µg/m3							
Ethylbenzene	ND	8	µg/m3							
Isopropylbenzene	ND	8	µg/m3							
4-Isopropyltoluene	ND	8	µg/m3							
Methylene chloride (TIC)	ND	16	µg/m3							
Naphthalene	ND	40	µg/m3							
n-Propylbenzene	ND	8	µg/m3							
Styrene	ND	8	µg/m3							
1,1,1,2-Tetrachloroethane	ND	8	µg/m3							
1,1,2,2-Tetrachloroethane	ND	16	µg/m3							
Tetrachloroethene	ND	8	µg/m3							
Toluene	ND	8	µg/m3							
1,1,1-Trichloroethane	ND	8	µg/m3							
1,1,2-Trichloroethane	ND	8	µg/m3							
Trichloroethene	ND	8	µg/m3							
1,2,4-Trimethylbenzene	ND	8	µg/m3							
1,3,5-Trimethylbenzene	ND	8	µg/m3							
Vinyl chloride	ND	8	µg/m3							
m,p-Xylene	ND	16	µg/m3							
o-Xylene	ND	8	µg/m3							
Methyl-tert-butylether	ND	40	µg/m3							
Ethyl-tert-butylether	ND	40	µg/m3							
Di-isopropylether	ND	40	µg/m3							
tert-amylmethylether	ND	40	µg/m3							
tert-Butylalcohol	ND	400	µg/m3							

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562-646-1611 FAX

Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	11/21/24 14:55

Standard ug/m3 HL by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	%REC Limits	Notes
Batch QC2411237 - EPA 8260										
Sample Blank 1										
Gasoline Range Organics (C4-C12)	ND	2000	µg/m3							
n-Hexane (LCC)	ND	80	µg/m3							
n-Pentane (LCC)	ND	80	µg/m3							
Acetone (LCC)	ND	80	µg/m3							
Surrogate: Toluene-d8		*94.55 %*	*60 - 140*							
Surrogate: Dibromofluoromethane		*99.79 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene		*101.29 %*	*60 - 140*							

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Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	11/21/24 14:55

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
E	Estimated Concentration; concentration exceeds calibration range.
LCC	Leak Check Compound
MDL	Compound Reported to Method Detection Limit
1	Recovery outside of acceptable limits. LCS/LCSD recoveries and %RSD were within QC limits, therefore data was accepted.
SMSR	Sample matrix prevented adequate surrogate recovery.
J	Value less then PQL but greater than MDL.
HHSR	High hydrocarbon concentration in this sample prevented adequate surrogate recovery.
SMTAR	Sample matrix prevented adequate recovery of target analytes.
OV	Sample was filtered in the lab before extraction.
HHTAR	High hydrocarbon concentration prevented in-range recovery of target analytes.
IHRPD	Target analyte recoveries were outside of range but accepted due to passing RPDs
AROL	Target analyte recovery exceeded recovery range but was accepted due to ND of that analyte in MB and sample(s).
ISO-H	Isomers could not be sufficiently chromatographically resolved according to method requirements due to hydrocarbon interference or other matrix effects. The isomers' reported individual concentrations were each calculated as the average of each of the individual isomers' concentrations.
2	Recovery outside of acceptable limits for either LCS or LCSD. CCV and LCS or LCSD recoveries were within limits; therefore data was accepted.
3	RPD outside of acceptable limits. Target analyte recoveries were within QC limits; therefore, data was accepted.
4	LCS and/or LCSD recoveries exceeded acceptability ranges. Target analyte recoveries were accepted due to passing CCV, in-range LCS/LCSD RPDs, and a clean MB in which all target analytes were < RL.
SMTAR	Sample matrix prevented adequate recovery of target analytes.
RV	Surrogate recovery outside of control limits due to required dilution.
ASP	Hydrocarbons in this sample most closely resemble asphalt.
@	Surrogate is outside acceptable limits. All other QC parameters in control, therefore data was accepted.
S	Sample was subjected to elemental sulfur cleanup by EPA 3660B.

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11007 Forest Pl.
Santa Fe Springs, CA 90670
(714) 449-9937
Fax (714) 449-9685
www.jonesenv.com

Soil Gas Summa Chain-of-Custody Record

deep - blue
shallow - orange

Client: Campbell Geo	Date: 11/5/2024
Project Name: Sandpiper	Client Project #:
Project Address: 7925 Hollister Ave, Santa Barbara, CA	
Report To: Steve Campbell	
Email/Phone:	
Sampler: Kevin Horchler	

Purge Rate: 200 cc/min

Shut In Test: (Y) / N

Turn Around Requested
- □ Immediate Attention - 200%
- □ Rush 24 Hours - 100%
- □ Rush 48 Hours - 50%
- □ Rush 72 Hours - 25%
- □ Rush 96 Hours - 10%
- ☒ Normal - No Surcharge

Tracer
- ☒ n-pentane
- ☒ n-hexane
- □ n-heptane
- □ IPA
- □ 1,1-DFA
- ☒ Acetone

EDF Geotracker Global ID:

Gasoline Range Organics (GRO)
□ Yes □ No

Reporting Limits Requested
☒ Standard □ Low □ Ultra Low

Units Requested
☒ ug/m3 □ ug/L □ ppmV

Lab Use Only

Jones Project #: J243309

Page: 1 of 1

Analysis Requested

Sample ID	Date Collected	Purge Number	Purge Volume	Laboraroty Sample ID (Lab Use Only)	Canister ID	Cannister Start Pressure	Cannister End Pressure	Flow Rate (cc/min)	Sampling Start Time	Sampling End Time	TO-15 or 8260B (circle one)	ASTM D1946 (Fixed Gases)	Magnehelic Reading (in/H2O)	Number of Containers
CB-3-5	11/5/2024	3	~~1630~~ 1550	-001	01807	-30	-3	~200	1008	1016	X		<2	1
CB-3-15	11/5/2024	3	~~1790~~ 1590	-002	01757	-30	-5	~200	1009	1018	X		<2	1
CB-3-15-REP	11/5/2024	-	-	-003	01523	-30	-4	~200	1019	1030	X		<2	1
CB-1-5	11/5/2024	3	1550	-004	01507	-30	-4	~200	1022	1029	X		<2	1
CB-1-15	11/5/2024	3	1590	-005	01524	-30	-5	~200	1023	1032	X		34	1
CB-2-5	11/5/2024	3	1550	No Flow	~~01521~~	-	-	~~200~~	-	-	X		>100	1
CB-2-15	11/5/2024	3	1590	-006	01786	-30	-4	~200	1046	1054	X		22	1

Relinquished By (Signature):	Printed Name: Steve Campbell	Received By (Signature):	Printed Name: K. Horchler
Company: Campbell Geo	Date: 11/5 Time: 1100	Company: Jones Env.	Date: 11/5/2024 Time: 11:00
Relinquished By (Signature):	Printed Name: K. Horchler	Received By Laboratory (Signature):	Printed Name: Meyan Davis
Company: Jones Env.	Date: 11/6 Time: 1300	Company: Jones	Date: 11/7/24 Time: 12:56

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specificied above under the Terms and Conditions set forth

Login Report

Customer Name: Campbell Geo
Purchase Order:
Project ID: Sandpiper
Comment:

Order ID: J243309
Order Date: 11/7/2024

Sample #: J243309-001 **Customer Sample #:** CB-3-5 **Site:**

Recv'd: ☑ **Collector:** **Date Collected:** 11/05/24 10:08 AM
Quantity: 1 **Matrix:** Soil Vapor **Date Received:** 11/07/24 12:47 PM
Comment:

Test	Test Group	Method	Due Date	Priority
Standard ug/m3		EPA 8260	11/15/2024	

Sample #: J243309-002 **Customer Sample #:** CB-3-15 **Site:**

Recv'd: ☑ **Collector:** **Date Collected:** 11/05/24 10:09 AM
Quantity: 1 **Matrix:** Soil Vapor **Date Received:** 11/07/24 12:47 PM
Comment:

Test	Test Group	Method	Due Date	Priority
Standard ug/m3		EPA 8260	11/15/2024	

Sample #: J243309-003 **Customer Sample #:** CB-3-15-REP **Site:**

Recv'd: ☑ **Collector:** **Date Collected:** 11/05/24 10:19 AM
Quantity: 1 **Matrix:** Soil Vapor **Date Received:** 11/07/24 12:47 PM
Comment:

Test	Test Group	Method	Due Date	Priority
Standard ug/m3		EPA 8260	11/15/2024	

Sample #: J243309-004 **Customer Sample #:** CB-1-5 **Site:**

Recv'd: ☑ **Collector:** **Date Collected:** 11/05/24 10:22 AM
Quantity: 1 **Matrix:** Soil Vapor **Date Received:** 11/07/24 12:47 PM
Comment:

Test	Test Group	Method	Due Date	Priority
Standard ug/m3		EPA 8260	11/15/2024	

Customer Name: Campbell Geo **Order ID:** J243309

Purchase Order: **Order Date:** 11/7/2024

Project ID: Sandpiper

Comment:

Sample #: J243309-005 **Customer Sample #:** CB-1-15 **Site:**

Recv'd: ☑ **Collector:** **Date Collected:** 11/05/24 10:23 AM

Quantity: 1 **Matrix:** Soil Vapor **Date Received:** 11/07/24 12:47 PM

Comment:

Test	Test Group	Method	Due Date	Priority
Standard ug/m3		EPA 8260	11/15/2024	

Sample #: J243309-006 **Customer Sample #:** CB-2-15 **Site:**

Recv'd: ☑ **Collector:** **Date Collected:** 11/05/24 10:46 AM

Quantity: 1 **Matrix:** Soil Vapor **Date Received:** 11/07/24 12:47 PM

Comment:

Test	Test Group	Method	Due Date	Priority
Standard ug/m3		EPA 8260	11/15/2024	

SAMPLE CONDITION RECORD

1. Are the samples within correct temperature criteria? (0 - 6°C)	N/A
2. If not within temp. criteria, were samples received on ice?	N/A
3. If not within temp. criteria, were samples received on same day of sampling?	N/A
4. Is the Chain of Custody (COC) received filled out completely?	No
5. Does the total number of containers received match COC?	Yes
6. Are the sample container label(s) consistent with COC?	Yes
7. Are the sample container(s) intact and in good condition?	Yes
8. Were the proper containers & sufficient volume for analyses requested on COC?	Yes
9. Was the proper preservative indicated on COC/container for analyses requested?	N/A
10. Are the containers for volatile analysis free of headspace? (EPA 8260 water)	N/A
EDF Requested	No

Manifest

SOIL SAFE OF CA – TPST
Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment:	Responsible for Payment:	Transport Truck #:	Facility #:	Approval Number:	Load #
11			A07	A5-7147	001

Generator and/or Consultant

Generator's Name and Billing Address:	Generator's Phone #:	
SANDPIPER GOLF TRUST, LLC 260 CHESTNUT AVENUE WESTMONT, IL 60559	805-968-1100	
	Person to Contact:	
	FAX#:	Customer Account Number

Consultant's Name and Billing Address:	Consultant's Phone #:	
	Person to Contact:	
	FAX#:	Customer Account Number

Generation Site (Transport from): *(name & address)*	Site Phone #:	
SANDPIPER GOLF COURSE 7925 HOLLISTER AVE. GOLETA, CA 93117	Person to Contact:	
	FAX#:	

Designated Facility (Transport to): *(name & address)*	Facility Phone #:	
SOIL SAFE 12328 HIBISCUS AVENUE ADELANTO, CA 92301	(800) 862-8001	
	Person to Contact: JOE PROVANSAL	
	FAX#: (760) 246-8004	

Transporter Name and Mailing Address:	Transporter's Phone #:	
BELSHIRE 25971 TOWNE CENTRE DRIVE FOOTHILL RANCH, CA 92610 BESI: 371087	949-460-5200	CAR000183913
	Person to Contact: LARRY MOOTHART	1529169
	FAX#: 949-460-5210	Customer Account Number

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ❑ Organic ❑ Clay ❑ Other ❑	0 - 10% ❑ 10 - 20% ❑ 20% - over ❑	Gas ❑ Diesel ❑ Other ❑	1 DM	SOIL	38650	38150	500
Sand ❑ Organic ❑ Clay ❑ Other ❑	0 - 10% ❑ 10 - 20% ❑ 20% - over ❑	Gas ❑ Diesel ❑ Other ❑					.09

List any exception to items listed above: Scale Ticket # 183503

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils descried in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ❑ Consultant ☒	Signature and date:	Month	Day	Year
S. CAMPBELL for Sandpiper Golf	S. Campbell	11	4	24

Transporter

Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name:	Signature and date:	Month	Day	Year
CHRIS MACIAS		11	4	24

Recycling Facility

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name:	Signature and date:
Joe Provansal / Barry Meek / Bill Bishop	11-19-24

Please print or type.

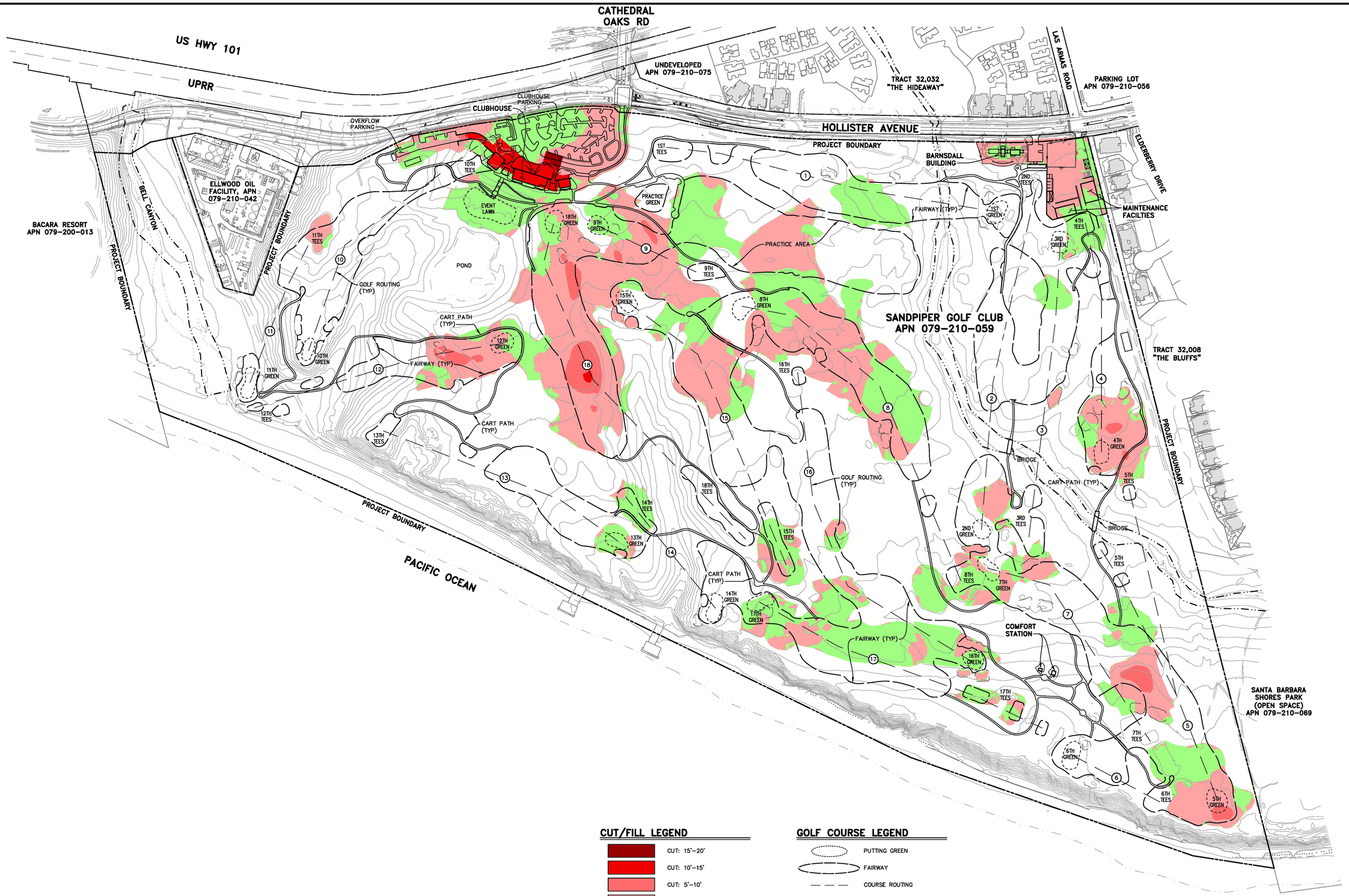
7925HOLL/3705688

TRANSPORTER COPY

Appendix C

Planned Soil Cut and Fill Sheet (Stantec, 2023)

Sample Location Survey Sheet (Stantec, 2024)



CUT/FILL LEGEND

- CUT: 15'–20'
- CUT: 10'–15'
- CUT: 5'–10'
- CUT: 0'–5'
- FILL: 0'–15'

GOLF COURSE LEGEND

- PUTTING GREEN
- FAIRWAY
- COURSE ROUTING
- (6) HOLE NUMBER

N

SCALE: 1"=150'
0 150 300 450

EXHIBIT

811 Know what's below. Call before you dig.

FOR REDUCED PLANS
ORIGINAL SCALE IN INCHES
0 1 2 3

NO.	DATE	REVISION BLOCK	APPD.

PREPARED FOR:
SANDPIPER GOLF TRUST, LLC
280 CHESTNUT AVENUE
WESTMONT, IL 60559

PREPARED BY:
Stantec
200 East Carrillo Street, Suite 101, Santa Barbara, CA 93101
Phone: (805) 963-9532
GUY GEREMY SALTS 60488 6/30/2024
PROJECT ENGINEER R.C.E. EXP. DATE

CUT/FILL EARTHWORK MAP

SANDPIPER GOLF CLUB

GOLETA, CA

STANTEC PROJECT NO. 2042588200
SHEET 1 OF 1
PLAN DATE 7/6/2023

DESIGN WFG CHECKED GSS
42-ENG SAVE DATE: 7/6/2023 7:46:33 AM PLOT BY:Sarnand, Waverly PLOT DATE:7/6/2023 8:22:38 AM
DRAWING c:\projects\5882\drawing\exhibits\5882exb_prelim_cut-fill_map.dwg

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BORING LOCATION COORDINATES

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
15001	1,984,652.89	5,986,319.75	109.91	CB-1
15002	1,984,558.81	5,986,377.76	110.71	CB-3
15003	1,984,554.94	5,986,518.90	110.88	CB-2
15004	1,983,924.91	5,985,942.70	94.31	CB-4
15005	1,983,676.67	5,986,445.31	98.41	CB-5
15006	1,981,296.30	5,988,485.73	93.35	CB-8
15007	1,981,919.95	5,988,283.91	82.68	CB-7
15008	1,982,900.48	5,988,451.07	75.44	CB-6

CONTROL POINT LIST

HORIZONTAL: CCS83, NAD83(2011), ZONE 5, EPOCH 2017.50
VERTICAL DATUM: NAVD88

NOTE: ALL COORDINATES IN U.S. SURVEY FEET.

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
100	1,984,644.92	5,984,105.10	21.63	CP SET 1/2IN IP
101	1,985,227.30	5,984,613.78	52.13	CP SET MAG/WASHER
102	1,985,723.55	5,984,779.68	49.23	CP SET 1/2IN IP W/PLUG
103	1,983,829.15	5,985,275.49	21.88	CP SET 1/2IN IP W/ PLUG
104	1,983,320.00	5,985,776.36	20.50	CP SET 1/2IN IP W/ PLUG
105	1,984,133.10	5,986,174.23	78.93	CP SET SCRIBED X
106	1,985,483.29	5,986,320.53	93.16	CP FD MAG W/WASHER IN AC
107	1,986,271.08	5,987,522.54	120.54	CP SET MAG W/TIN IN AC
108	1,985,245.65	5,988,072.17	119.27	CP SET MAG W/WASHER IN AC
109	1,984,316.24	5,988,064.77	96.83	CP SET MAG W/WASHER IN AC
110	1,984,596.30	5,988,631.96	110.91	CP SET MAG/WASHE
111	1,983,794.94	5,988,899.25	79.11	CP SET MAG/WASHER IN AC
112	1,982,737.48	5,987,969.10	71.27	CP SET SCRIBE X ON CONC
113	1,982,431.23	5,986,902.14	78.51	CP SET SCRIBED X
114	1,981,531.39	5,988,012.31	91.42	CP SET 1/2IN IP W/ PLUG
115	1,982,056.56	5,989,165.13	55.62	CP SET 1/2 IP W/PLUG
116	1,982,700.22	5,989,436.90	58.83	CP SET MAG/WASHER IN AC
117	1,981,337.86	5,989,582.58	87.75	CP SET 1/2IN IP W/PLUG
118	1,980,927.34	5,989,333.96	9.02	CP SET 1/2IN IP W/PLUG
120	1,984,531.09	5,989,284.05	102.10	CP SET MAG TIN
200	1,981,189.70	5,988,619.68	78.30	FD 6IN IP W/CONC DN 1.5FT
201	1,984,105.76	5,988,655.34	96.19	FD 1/2 IP W/TAG LS 3253 DN .3 FT
202	1,984,097.17	5,990,248.31	92.63	FD 1/2 IP OPEN



SANDPIPER GOLF COURSE
SOIL BORING LOCAITONS
EXHIBIT MAP

CITY OF GOLETA, CALIFORNIA
10/09/2024

N

SCALE: 1"=200'
0 200 400 600

Stantec
200 East Carrillo St. Suite 101, Santa Barbara, CA 9310
Phone: (805) 963-9532

PLOT DATE: 10/10/2024 2:17:36 PM
PLOT BY: Fowler, Aaron
SAVE DATE: 10/10/2024 1:24:32 PM
36-EXB
DRAWING: \\us0377-ppfss01\wrkgroup\204258\active\204258200\drawing\geo_exhibit_files\204258200_boring exhibit.dwg

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Appendix I-2

Corrective Action Plan and Revised Soil and Groundwater Management Plan

CAMPBELL · GEO, INC.
ENGINEERING AND ENVIRONMENTAL GEOSCIENCE

Corrective Action Plan
Soil and Groundwater Management Plan
Sandpiper Golf Course

SMU Site #375
7925 Hollister Avenue
Goleta, California

April 15, 2025

Submitted to

Santa Barbara County Environmental Health Services
2125 South Centerpointe Parkway, Suite 333
Santa Maria, CA 93455

Attention: Mr. Tom Rejzek PG, CEG

Prepared by:
CAMPBELL · GEO, INC.

1130 DEL SOL AVENUE SANTA BARBARA CALIFORNIA 93109-2108
TELEPHONE: (805) 965-5003

April 15, 2025

Santa Barbara County Environmental Health Services
2125 South Centerpointe Parkway, Suite 333
Santa Maria, CA 93455

Attn: Mr. Tom Rejzek PG, CEG

Subject: Corrective Action Plan - Revised Soil and Groundwater Management Plan
Sandpiper Golf Course Renovation
7925 Hollister Avenue
Goleta, California

Dear Tom:

INTRODUCTION

As directed by the February 28, 2025 letter from the County of Santa Barbara Department of Environmental Health Services (EHS), Campbell·Geo, Inc. (CGI) has prepared this Corrective Action Plan (CAP) for the proposed Sandpiper Golf Course renovation project at 7925 Hollister Avenue in Goleta (please see Plate 1 - Project Location Map). The CAP is a Revised Soil and Groundwater Management Plan ("SGMP") that now includes soil and soil vapor sample analyses conducted in November 2024 to supplement the previous site assessment data. The site is currently occupied by Sandpiper Golf Course and has been since 1972. The site was previously occupied by a portion of the Ellwood Oil Field, which was initially developed in the 1920s.

This CAP/SGMP is revised from the July 25, 2023 SGMP that was submitted to the City of Goleta as part of the development application package. The corrective action for the golf course renovation will be to appropriately identify and handle impacted soil if it is found during site grading, as directed in this revised SGMP. Site assessment data is includedin environmental site assessments prepared by Clayton Group Services in 2002 and 2005 and CGI (2025). The Clayton and CGI reports have been placed on the State of California database known as GeoTracker. The Sandpiper Golf Club site was assigned to the EHS Site Mitigation Unit (SMU) for regulatory oversight. The site is identified by EHS as SMU site #375.

The proposed golf course improvements include re-routing and some re-contouring at most of the 18 holes of the golf course. With respect to subsurface contamination, it is important to note

that most of the proposed recontouring will be to add fill, with minimal or no soil cuts in most areas. Please refer to the Stantec "Cut/Fill Earthwork Map, Sandpiper Golf Club" dated July 6, 2023, included as Plate 2 of this CAP/SGMP. The 175 borings drilled and sampled at the golf course area in 2002 and 2005 are plotted on Plate 2, along with the October 2024 borings completed by CGI. Based on the boring log notes and 355 soil samples analyzed by Clayton, and the 23 samples analyzed by CGI, there were 20 soil samples with Contaminants of Concern (COCs) in concentrations that exceeded the Commercial/Industrial and Construction Worker Environmental Screening Levels (ESLs). None of the samples with COCs that exceeded ESLs are located within the proposed soil cut areas. Therefore, although site grading may still encounter impacted soil, it appears that may only be in limited areas. It does not appear that groundwater will be encountered based on the current grading plans. The existing conditions and current renovation plan are shown on the Preliminary Improvement Plans prepared by the project civil engineer (Stantec, November 4, 2022).

The purpose of this CAP/SGMP is to establish protocols and procedures to handle and manage soil and groundwater impacted by petroleum constituents and metals, where they may be encountered during future "invasive construction activities."

"Invasive Construction Activities" are defined herein as activities which penetrate the surface and have the potential to disrupt or disturb subsurface impacted soil, including, but not limited to, soil excavation (hereinafter "Invasive Construction Activities"). Groundwater brought to the surface, if any, is also subject to the evaluation and management procedures outlined below. The requirements of this CAP/SGMP shall apply any time Invasive Construction Activities are undertaken.

In addition, this CAP/SGMP includes a site-specific Health and Safety Plan that must be implemented any time Invasive Construction Activities are undertaken. The site-specific Health and Safety Plan is intended to comply with Federal Occupational Safety and Health Administration ("OSHA") regulations (29 CFR 1910.120), and with California Occupational Safety and Health Administration ("Cal-OSHA") regulations (CCR Title 8 Section 5192). The Health and Safety Plan must always be kept on-site when Invasive Construction Activities are undertaken. Personnel performing Invasive Construction Activities must familiarize themselves with the Health and

Safety Plan prior to commencing work and always adhere to the requirements of the plan during the performance of work.

The procedures and tasks required by this CAP/SGMP are intended to prevent and/or mitigate the potential for human contact and/or uncontrolled discharge of petroleum and metals contaminated soil or groundwater and thereby protect human health, safety, and the environment.

SUMMARY OF SITE HISTORY

Prior to construction of the Sandpiper Golf Course in 1972, the site was occupied by various features associated with a portion of the Ellwood Oil Field that existed along the Ellwood Coast from the late 1920s to the1990s. The Ellwood Oil Field, which was discovered by Barnsdall Oil Company in 1928, is approximately four (4) miles long and 0.5 miles wide, and trends east-west and includes the tidal and offshore areas just south of the Sandpiper Golf Course. The Ellwood Oil Field included numerous wells drilled onshore, in the tidal zone and on offshore piers from the 1920s through the 1950s, along with substantial supporting infrastructure.

Peak production from the entire Ellwood Oil Field reached nearly 49,000 barrels of oil per day (BOPD) in 1930. Remnants of this infrastructure still exist today, including abandoned and capped wells, a rock revetment, and the old timber seawall, the latter two of which line portions of the Ellwood Coast. By 1993, Well 421-2, located in the tidal zone adjacent to the golf course, was the only producing well in the Ellwood Oil Field. In 2019, the wells at the 421 piers were successfully plugged to the surface. (Ellwood Oil Field history above was excerpted from the State Lands Commission Final Environmental Impact Report dated March 2022).

The 2005 Phase II report (Clayton Group) describes thirteen (13) abandoned oil wells on the Sandpiper Golf Course property. All are shown to be near the southern portion of the project, with the exception of one well near the eastern boundary. Please see attached Figure 2 from the Clayton report. A review of historic aerial photographs indicates the previous existence of storage tanks, pipelines and other features associated with the Ellwood Oil Field. The plugging removal and abandonment of the oil field near Sandpiper Golf Course of the past several decades concluded with the February 2023 removal of two piers (Piers 421-1 and 421-2) in the adjacent tidal zone

where oil wells were previously abandoned. A pipeline corridor from the piers and from offshore Platform Holly runs through and under the southwest edge of the golf course, leading to the Ellwood Onshore Facility (EOF). That facility was recently operated by the Beacon West Energy Group on behalf of the State Lands Commission, until operations terminated in June 2023. The pipelines are shown on Figure 2-17 of the State Lands Commission EIR (March 2022).

The Barnsdall-Rio Grande Gas Station was constructed in 1929 at 7825 Hollister Avenue, adjacent to the northwest corner of the present-day golf course. (The site address is also listed as 7801 Hollister in some documents). The station operated until the early 1950's. The underground gasoline storage tanks were removed under permit with SBCEHS in 1989. Site cleanup included removal of 250 cubic yards of soil. Regulatory site closure of the former gas station site was approved in 1997.

SITE ASSESSMENT SUMMARY

The January 13, 2023 letter from the City of Goleta, responding to Sandpiper's development application, included a requirement for documentation of a site assessment of contamination "in accordance with Section 17.39.060 of the Goleta Municipal Code since the property was once used for oil processing." Three reports were prepared on behalf of Sandpiper by Clayton Group Services. In 2002, a Phase I Environmental Site Assessment report and a follow-on "Soil Sampling Investigation Report" (dated November 14, 2002) were completed. A "Phase II Environmental Investigation" dated June 23, 2005 was completed and is posted at the State of California database known as "GeoTracker". The 2005 Clayton report can be accessed at this GeoTracker link:

https://documents.geotracker.waterboards.ca.gov/regulators/deliverable_documents/6933408439/20050808_Phase%20II%20Env.%20Investigation.pdf

The Clayton Group reports satisfy the City of Goleta requirement for an Environmental Site Assessment. Specifically, as described in the 2002 and 2005 Clayton reports, a total of 175 borings were drilled and sampled at the golf course area. Please see attached Soil Boring Location Map, Figure 3, from the 2005 Clayton report. A total of 355 soil samples and four groundwater

samples were analyzed for petroleum and related chemicals. Four soil gas samples were analyzed for methane. Contaminants of Concern (COCs) detected in soil and groundwater primarily included Total Petroleum Hydrocarbons (TPH). Out of the 355 soil samples analyzed, twenty (20) samples were found with TPH exceeding ESLs for commercial/industrial land use or construction worker exposure. In some soil samples, volatile organic compounds (VOCs), poly-aromatic hydrocarbons (PAHs) and metals were also detected. Polychlorinated biphenyls (PCBs) were undetectable. Other criteria (reactivity, corrosivity, ignitability, and fish bioassay) indicated none of the soil exhibited characteristics of hazardous waste, as defined by state criteria. A few VOCs and PAHs were detected in two of the four groundwater samples analyzed.

To review chemical concentrations in soil, soil gas and groundwater, the County of Santa Barbara Environmental Health Services (EHS-SMU) typically recognizes the published State Water Resources Control Board Environmental Screening Levels (ESLs). The ESLs include a list of numerical concentrations under a "Tier 1" criteria, which is the lowest and most stringent and is typically used by the county to determine if a site has been adequately assessed. The other criteria that the county would potentially use to determine the need for offsite disposal or possible re-use of excavated soil are the ESLs for "Commercial/Industrial Land Use," "Construction Worker Exposure" and for "Environmental Habitat Impacts."

Of the 355 soil samples analyzed by Clayton, there were 42 samples with petroleum constituents that exceeded the Tier 1 ESLs and the Terrestrial Habitat ESLs. There were 20 soil samples that exceeded the Commercial/Industrial and Construction Worker ESLs. The four groundwater samples exceeded the Tier 1 ESLs and the Aquatic Habitat ESLs. Some of the highest concentrations of soil and groundwater contamination were in samples located at and near the green to Sandpiper Golf Course hole #11, where the Venoco pipelines and easement crosses the southwest corner of the property. It could be that the contamination there is related to releases from the pipeline(s) between offshore platform Holly, the historic 421 piers, and the Ellwood onshore facility, rather than related to the historic Ellwood Oil Field.

At the northwest corner of the site, adjacent to Hollister Avenue, the former Barnsdall-Rio Grande gasoline service station was investigated and then granted site closure by the County of Santa Barbara Leaking Underground Fuel Tank (LUFT) program in 1997. The site closure

summary notes state that residual contaminated soil is "vertically confined to 10-15 ft. zone" beneath the site. The Santa Barbara County LUFT program file, completed and closed, can be accessed at this GeoTracker link:

https://geotracker.waterboards.ca.gov/profile_report.asp?global_id=T0608300111

Restoration of the Barnsdall structure and a new 695 square foot café structure is proposed. A geotechnical site investigation for the proposed development in the Barnsdall area was conducted by Pacific Materials Laboratory (PML) in 2022. Borings advanced to a depth of 34.5 feet did not encounter groundwater. The geotechnical recommendations made by PML include an estimated depth of approximately 24 inches for soil removal and recompaction and a similar depth for building foundations. Therefore, the "10-15 ft. zone" of identified residual soil impacts should not be encountered. However, the protocols in this SGMP should be followed to monitor and manage soil, if necessary, when site grading occurs at the Barnsdall area.

Other soil boring data was reported as part of archaeologic and other geotechnical surveys completed in 2022 at Sandpiper. The reports include an "Archaeologic Resources Assessment Report" (Dudek Consultants, November 2022). Two other geotechnical investigations of the proposed club house and proposed comfort station were prepared by PML (October and November 2022). They were not conducted to evaluate subsurface soil or groundwater contamination. The test pit and boring logs from these more recent reports do not indicate obvious signs of contamination. The depth to groundwater at the proposed clubhouse was reported to be in excess of 50 feet. The grading and foundation elements are not anticipated to extend deeper than 36 inches, per the PML report. At the proposed comfort station, groundwater was not encountered above the maximum boring depth of 6 feet. The grading and foundation elements are also not anticipated to extend deeper than 36 inches at the comfort station.

A Supplemental Site Assessment (SSA) report by CGI, dated January 8, 2025 for Sandpiper Golf Course was submitted to EHS. The report describes October and November 2024 field work conducted to evaluate the presence of impacted soil or groundwater in the area of proposed cuts (described below) for the planned golf course and clubhouse renovations. In addition, temporary soil vapor probes were installed and sampled to evaluate the potential for

vapor intrusion of volatile organic compounds (VOCs) into the planned clubhouse. The 2025 CGI SSA report can be accessed at this GeoTracker link:

https://documents.geotracker.waterboards.ca.gov/esi/uploads/geo_report/5806457400/T10000021104.PDF

Eight (8) soil borings were drilled using direct push methods. Three (3) of the borings were drilled to a depth of 20 feet below ground surface within the footprint of the proposed clubhouse. Soil and soil vapor were collected from these borings. Soil samples were collected from the remaining borings, which were drilled to a depth of 10 feet below ground surface (bgs) in areas of the proposed cuts to the golf course. Groundwater was not encountered in any of the borings.

Twenty-three (23) soil samples collected in the 2024 borings from selected planned soil cut areas were analyzed for hydrocarbons, VOCs, PAHs and metals. None of the samples were found to contain those constituents in exceedance of commercial/industrial land use. Except for one sample with nickel, the 2024 boring samples did not contain constituents in exceedance of construction worker ESLs.

Arsenic was found in one sample at 18 mg/kg (3 feet bgs) which is above the California upper background level of 12 mg/kg; nickel in one sample at 118 mg/kg (5 feet bgs) which is above its Construction Worker ESL; and vanadium in multiple samples at concentrations above its Tier 1 ESL of 18 mg/kg. EHS confirmed that these inorganics were consistent with background concentrations and required no action.

Soil vapor samples were collected at 5 and 15 feet bgs from the three locations and analyzed for VOCs and TPHg. Tetrachloroethene (PCE), Freon 12, and/or chloroform were detected in the samples. However, only chloroform (53 ug/m^3, 15 feet bgs) was detected in one sample and its duplicate at concentrations above its Soil Vapor Commercial ESL (18 ug/m^3, 15 feet bgs). It its February 25, 2025 letter EHS agreed that further soil vapor testing is warranted in the area of the proposed clubhouse. As of the date of this revised CAP/SGMP, a work plan for additional soil vapor sampling and testing (CGI, April 12, 2025) is being reviewed by EHS.

SOIL GRADING PLANS

As described on the attached plan set (Stantec 2022), areas of soil excavation (cut and fill) are planned during the golf course renovation. A July 6, 2023 "Cut/Fill Earthwork Map" prepared by Stantec is also attached to this revised SGMP as part of Plates 2 and 3. Comparing the approximate location of the borings with soil exceeding ESLs and the boring logs noted for reported depths of impacted soil, as shown on Tables 1, 2, 3 and 4 and boring logs of the 2005 Clayton Group report, much of the soil with detectable petroleum constituents is deep, below the depth of the proposed soil cuts. Some planned excavation areas, including the proposed golf cart basement under the new clubhouse, do not have soil boring data. Trenching for utilities or other excavations not shown on the plan could also encounter impacted soil. However, based on the modest number of soil samples (20) with Total Petroleum Hydrocarbons exceeding Commercial/Industrial and Construction Worker Environmental Screening Levels (ESLs), and their approximate location outside of proposed soil cuts, it appears that the need for removal of impacted soil that might be encountered during grading could be relatively insignificant.

SGMP REQUIREMENTS

Implementation of the following SGMP requirements will prevent and/or mitigate the potential for human contact and/or uncontrolled discharge of petroleum contaminated soil or water, and thereby protect human health, safety, and the environment.

1. Pre-Construction Notification:

If petroleum impacted soil is expected to be encountered at a volume of less than 1,000 cubic yards, an application and approval of a permit waiver from the County of Santa Barbara Air Pollution Control District will be required, under current SBCAPCD rules. If more than 1,000 cubic yards of soil is handled, a Permit to Operate (PTO) application will be required. The requirements of a PTO include, typically, daily monitoring at 30-minute intervals of a variety of potential air quality impacts.

Written notice shall be provided by Sandpiper Golf Trust, LLC (Sandpiper) or its agents to appropriate personnel at Santa Barbara County Environmental Health Services (SBCEHS) and Santa Barbara County Air Pollution Control District (SBCAPCD) prior to conducting any Invasive Construction Activities within the SGMP Area. Prior to commencing Invasive Construction Activities, Sandpiper or its agents shall ensure a pre-field job walk is conducted with the construction contractor(s) to discuss the protocols of this SGMP and address any questions and concerns.

2. Soil Management Requirements:

At any time during the performance of Invasive Construction Activities, if discolored or odoriferous soil is found, it will be assumed to be impacted, until proven otherwise. Soil sampling and handling work must be performed by personnel with current HAZWOPER training. Soil generated with noted staining or odor (if any) during site renovations shall be stockpiled and tested as outlined below. Soil excavated may be direct loaded to trucks for hauling to a licensed landfill(s) if the soil has been approved for disposal at a particular landfill on the basis of the soil sample data.

Soil stockpile samples shall be collected and delivered to a California Department of Health Services (CADOHS) certified laboratory. The samples of excavated soil that might be reused onsite will be analyzed for the following analytes and in accordance with the appropriate U.S. Environmental Protection Agency (EPA) methods:

- Total Petroleum Hydrocarbons as gasoline, diesel, oil (TPHg, TPHd, and TPHo), and VOCs using EPA Methods 8015M or 8260B;
- Semi-volatile organic compounds (SVOCs) including Polycyclic Aromatic Hydrocarbons (PAHs) by EPA Method 8270.
- Total threshold limit concentration (TTLC) of CAM 17 metals using EPA Method 6010/6020 and 7471;

- Soluble threshold limit concentration (STLC) of metals only if the TTLC value exceeds 10 times the STLC limit defined in the California Code of Regulations (CCR 22, Section 66261);
- Toxicity Characterization Leaching Procedure analysis (TCLP) of metals only if the TTLC value exceeds 20 times the TCLP limit defined in the California Code of Regulations, Title 22.

Any soil excavated and stockpiled temporarily on site must be placed on and covered by heavy duty plastic sheeting (*e.g.,* 10 mil "Dura-Skrim" Visqueen® or equivalent), and secured in a manner to prevent exposure prior to the soil leaving the site. All impacted soil placed on and covered with plastic shall be bermed to prevent run on and runoff of stormwater. Alternatively, the impacted soil must be containerized into drums or roll-off bins.

If the soil is to exported offsite for unrestricted re-use, then it will need to be tested per the Department of Toxic Substances Control's October 2001 *Advisory – Clean Imported Fill Material* fact sheet. The testing frequency for impacted sites requires one sample per truckload (or approximately 1 sample per 20 cubic yards) be analyzed. Only soil that meets the Tier 1 Environmental Screening Levels (SFRWQCB, 2019) is allowed for unrestricted offsite re-use.

Prior to removing impacted soil from the site, permits from and arrangements with the approved disposal facilities shall be procured. The soil shall be loaded into roll-off bins or into dump trucks, transported by an approved waste hauler, and disposed of at an appropriate landfill facility under manifest signed by the generator, the truck driver, and the disposal facility. Upon completion of loading the stockpiled soil for off-site transport, the plastic sheeting must be collected and placed in a truck for transport to an approved disposal facility. Any impacted soil spilled during the process of soil removal shall be cleaned up to the maximum extent practical and placed in a truck for off-site disposal. Soil transportation manifests (copies must include the signatures of the generator, the transporter, and the disposal facility), and facility weight tickets shall be collected and maintained.

3. <u>Groundwater Management Procedures:</u>

Groundwater that is encountered (if any) during construction activities could also contain dissolved petroleum constituents, SVOCs or VOCs. In the event groundwater recovery is required, pumped water will be placed in a tank and tested to determine the appropriate disposal or discharge method. To confirm the presence or absence of the previously identified constituents in groundwater, a "grab" water sample will be collected into laboratory supplied containers and delivered to a CADOHS certified laboratory. The groundwater samples will be analyzed for the following analytes and in accordance with the appropriate U.S. Environmental Protection Agency (EPA) methods:

- VOCs using EPA Method 8260B;
- SVOCs using EPA Method 8260B;
- Total Petroleum Hydrocarbons as gasoline, diesel, and oil (TPHg, TPHd, and TPHo), using EPA Methods 8015M or 8260B;
- CAM 17 metals using EPA Method 6010/6020 and 7421.

Subject to review of the analytical testing results, the stored groundwater may be loaded into a tanker truck(s), transported by an approved waste hauler, and disposed of at an appropriate recycling facility. Alternatively, a permit to discharge treated water to the municipal sanitary sewer shall be obtained from the municipal sewer district prior to discharge. Typically, an upper limit of 20 gallons per minute of flow is set by the district, which shall be recorded by a meter, to avoid overloading their system, but higher short-term discharges might be negotiable. The district may require sample analyses for additional constituents prior to discharge, such as TPH, turbidity, pH, and Total Oil & Grease. Discharge of treated water to the storm drain will likely require a permit from the Central Coast Regional Water Quality Control Board (RWQCB) but will not be as restrictive on flow rates. The sewer district or the RWQCB may impose start-up, sampling, and monitoring conditions with their permit.

Within 60 days of completion of Invasive Construction Activities, a brief summary report shall be prepared. The summary report shall include, at a minimum, a description of work performed (e.g., soil removal and transportation), figures depicting any areas excavated, triple signed waste manifests, soil weight tickets, and laboratory reports.

HEALTH AND SAFETY PLAN

The following health and safety procedures apply to any Invasive Construction Activities proposed or implemented within the SGMP Area. The procedures may be modified by variable site or equipment conditions as work progresses. All site personnel and third parties performing Invasive Construction Activities within the SGMP Area will be responsible for understanding and complying with all health and safety requirements.

1. HAZARD SUMMARY

(a) Petroleum and Metals. Inhalation of petroleum vapors, inhalation of petroleum and metal impacted soil dust, and skin contact with affected soil and ground water constitute a potential health hazard. Toxic hydrocarbon constituents include PAHs, benzene, and toluene. Benzene and some PAHs are suspected human carcinogens. Benzene and toluene cause liver damage and tumors in mice. Lead attacks the brain and central nervous system. Lead exposure can cause anemia, and damage to the kidneys and the brain. Measures shall be taken to minimize inhalation of vapors and dust or direct contact with petroleum and metal affected soil and ground water (if encountered), including appropriate use of chemical resistant gloves, protective clothing, respiratory protection devices, and vapor screening instruments. Gloves and clothing shall be removed if they become wet or excessively contaminated. Gloves and clothing shall be changed at the end of each workday, at a minimum. Workers shall wash skin surfaces thoroughly before meals and at the end of each day.

(b) Physical Hazards. Other potential health hazards include electrocution from buried or overhead power lines, buried natural gas lines, equipment noise, and heat stress. These hazards will be addressed through the appropriate use of underground utility locating services, and protective earplugs. Traffic hazards will be addressed by setting up permitted lane closures. All site workers shall wear reflective vests for visibility. Heat stress will be avoided by maintaining fluid intake and utilizing light clothing cover when drilling uncontaminated materials.

2. PERSONAL PROTECTIVE EQUIPMENT

Field personnel performing Invasive Construction Activities will be required to have available and use appropriately the following personal protective equipment:

* Hard hats
* Suitable work clothing
* Chemical-resistant gloves
* Steel-toe boots
* Ear plugs
* Respiratory Protection for dust and petroleum vapors

3. EMERGENCY RESPONSE

Should a site emergency arise, the following steps shall be taken:

- Evacuate the hazard area; remove and keep from area all passersby and project personnel;
- Call emergency response personnel (dial 911); and
- Administer first aid if injuries exist until medical help arrives.

4. GENERAL INFORMATION

A first aid kit and fire extinguisher shall be available and accessible at all times.

5. FIRST AID

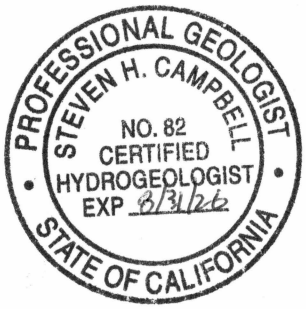
First aid may be administered at Goleta Valley Cottage Hospital located at 351 South Patterson Avenue in Goleta, California (805-967-3411). An attached map shows the Hospital location in relation to the project site.

CONCLUSIONS

The procedures and tasks required by this CAP/SGMP are intended to prevent and/or mitigate the potential for human contact and/or uncontrolled discharges of petroleum contaminated soil and groundwater during site excavation activities, and thereby protect human health, safety, and the environment.

Feel free to contact us if you have any questions or comments.





Sincerely,
Campbell·Geo, Inc.

Steven H. Campbell
Professional Geologist
State of California, #5576
Certified Engineering Geologist
State of California, #1729
Certified Hydrogeologist
State of California, #82

Cc: Sandpiper Golf Trust, LLC
c/o Brownstein Hyatt Farber Schreck, LLP
Attention: Ms. Beth Collins

G:\clients\Sandpiper\SGMP 20250415.doc

Enclosures: Plates (3)
Appendix

REFERENCES CITED

California State Lands Commission, 2022, "Final EIR for the PRC 421 Decommissioning Project", State Clearinghouse No. 2021060145 CSLC EIR Number: 807, March, 2022.

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Clayton Group Services, 2002b, "Soil Sampling Investigation, Sandpiper Golf Course, 7925 Hollister Avenue, Goleta, California", November 14, 2002.

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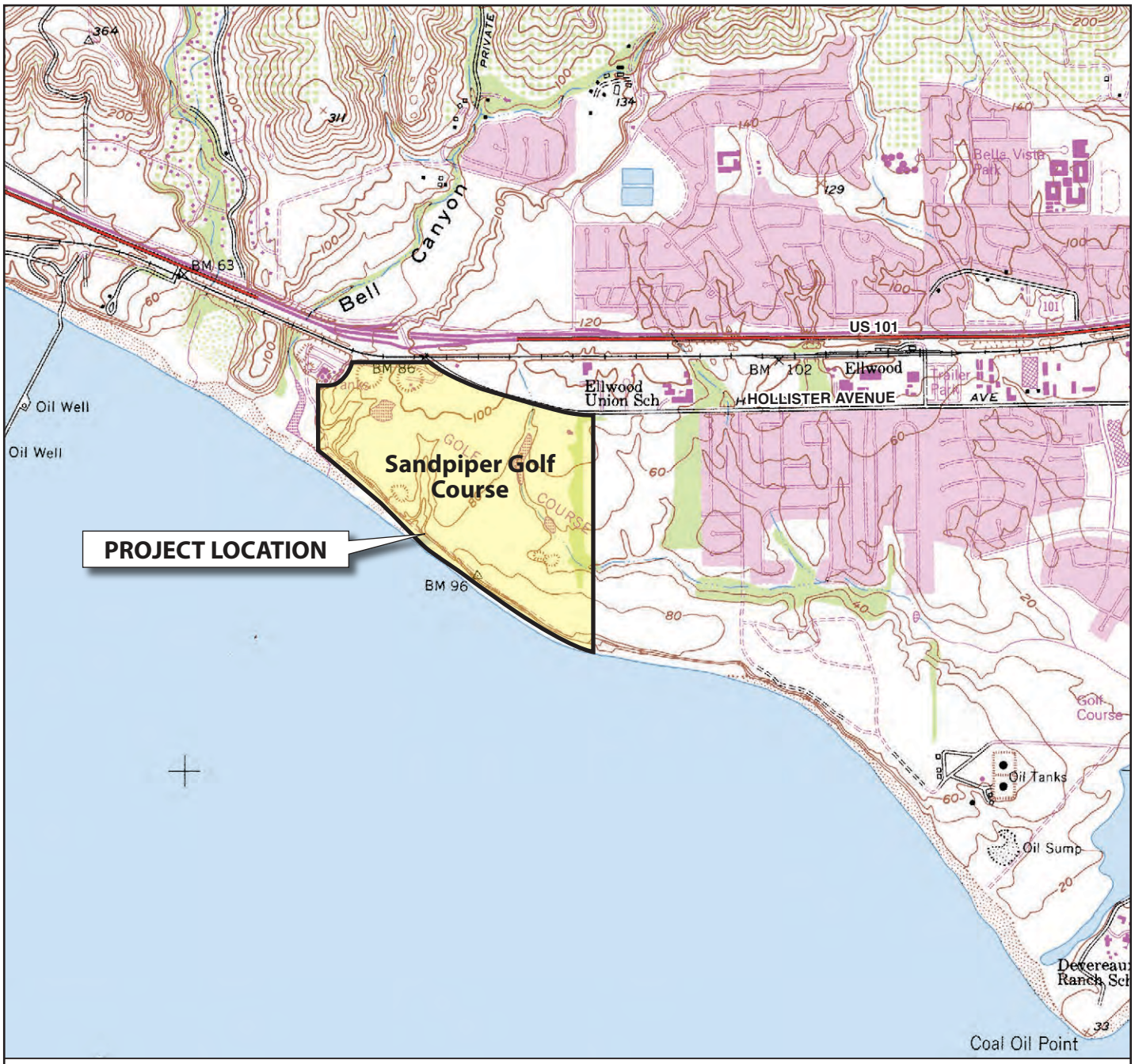
Pacific Materials Laboratory, 2022b, "Preliminary Geotechnical Investigation, Proposed Clubhouse, Sandpiper Golf Club …", November 10, 2022.

Stantec, Inc., 2022, "Preliminary Improvement Plans, Sandpiper Golf Club", nineteen (19) sheets, 1"=150' and 1"= 40' scales, November 4, 2022.



A portion of the U.S.G.S. "Dos Pueblos" 7.5" quadrangle (1988)

PROJECT LOCATION MAP
SANDPIPER GOLF CLUB
7925 HOLLISTER AVENUE
Goleta, California

Date

By

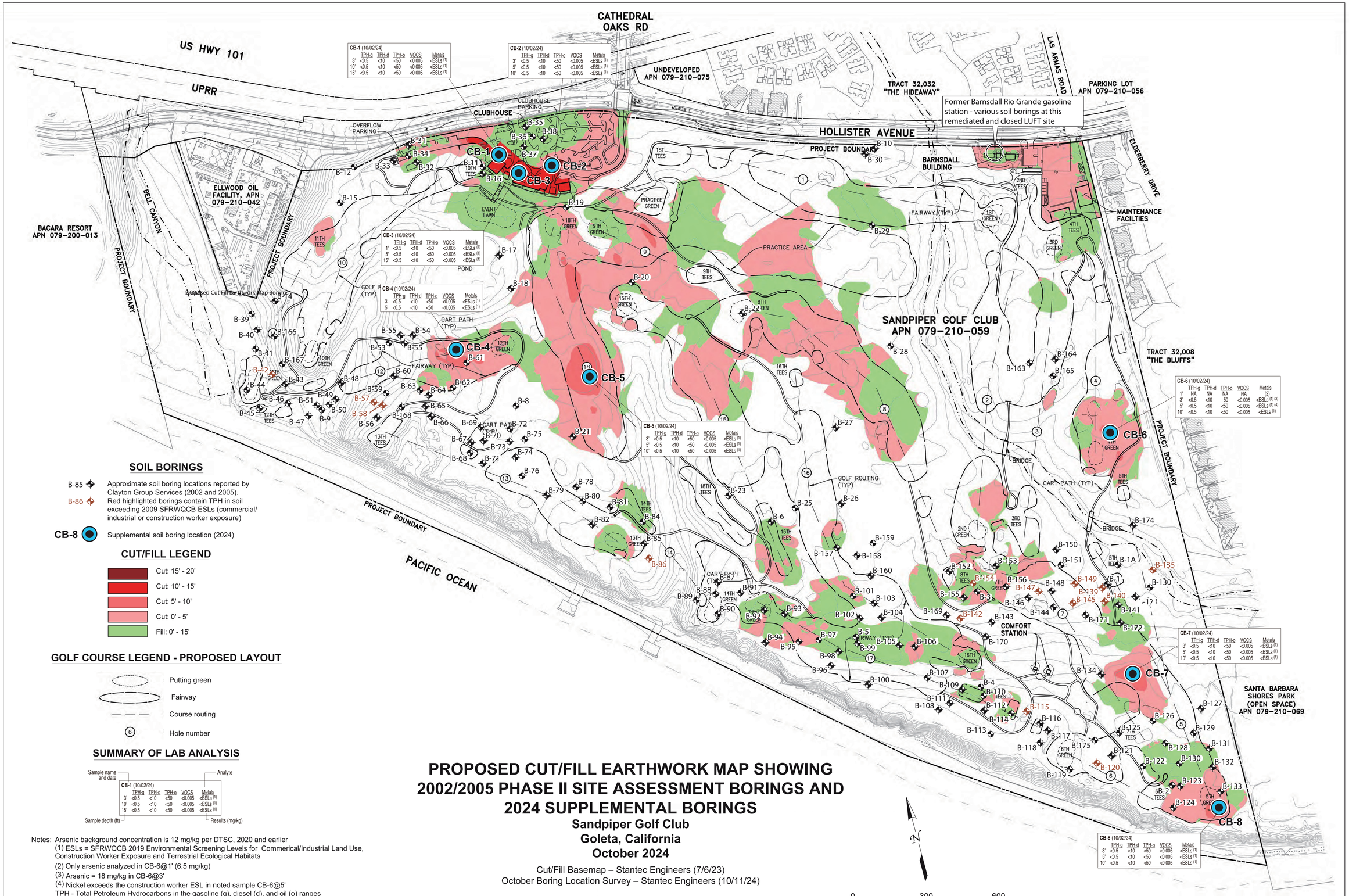
N

SCALE IN FEET

0 2000 4000

CAMPBELL•GEO, INC.
ENGINEERING AND ENVIRONMENTAL GEOSCIENCE

Plate 1



CB-1 (10/02/24)

	TPH-g	TPH-d	TPH-o	VOCS	Metals
3'	<0.5	<10	<50	<0.005	<ESLs [1]
10'	<0.5	<10	<50	<0.005	<ESLs [1]
15'	<0.5	<10	<50	<0.005	<ESLs [1]

CB-2 (10/02/24)

	TPH-g	TPH-d	TPH-o	VOCS	Metals
3'	<0.5	<10	<50	<0.005	<ESLs [1]
5'	<0.5	<10	<50	<0.005	<ESLs [1]
10'	<0.5	<10	<50	<0.005	<ESLs [1]

CB-3 (10/02/24)

	TPH-g	TPH-d	TPH-o	VOCS	Metals
1'	<0.5	<10	<50	<0.005	<ESLs [1]
5'	<0.5	<10	<50	<0.005	<ESLs [1]
15'	<0.5	<10	<50	<0.005	<ESLs [1]

CB-4 (10/02/24)

	TPH-g	TPH-d	TPH-o	VOCS	Metals
3'	<0.5	<10	<50	<0.005	<ESLs [1]
5'	<0.5	<10	<50	<0.005	<ESLs [1]

CB-5 (10/02/24)

	TPH-g	TPH-d	TPH-o	VOCS	Metals
3'	<0.5	<10	<50	<0.005	<ESLs [1]
5'	<0.5	<10	<50	<0.005	<ESLs [1]
10'	<0.5	<10	<50	<0.005	<ESLs [1]

CB-6 (10/02/24)

	TPH-g	TPH-d	TPH-o	VOCS	Metals
1'	NA	NA	NA	NA	(2)
3'	<0.5	<10	50	<0.005	<ESLs [1] (3)
5'	<0.5	<10	<50	<0.005	<ESLs [1] (4)
10'	<0.5	<10	<50	<0.005	<ESLs [1]

CB-7 (10/02/24)

	TPH-g	TPH-d	TPH-o	VOCS	Metals
3'	<0.5	<10	<50	<0.005	<ESLs [1]
5'	<0.5	<10	<50	<0.005	<ESLs [1]
10'	<0.5	<10	<50	<0.005	<ESLs [1]

CB-8 (10/02/24)

	TPH-g	TPH-d	TPH-o	VOCS	Metals
3'	<0.5	<10	<50	<0.005	<ESLs [1]
5'	<0.5	<10	<50	<0.005	<ESLs [1]
10'	<0.5	<10	<50	<0.005	<ESLs [1]

SOIL BORINGS

B-85 Approximate soil boring locations reported by Clayton Group Services (2002 and 2005).

B-86 Red highlighted borings contain TPH in soil exceeding 2009 SFRWQCB ESLs (commercial/ industrial or construction worker exposure)

CB-8 Supplemental soil boring location (2024)

CUT/FILL LEGEND

- Cut: 15' - 20'
- Cut: 10' - 15'
- Cut: 5' - 10'
- Cut: 0' - 5'
- Fill: 0' - 15'

GOLF COURSE LEGEND - PROPOSED LAYOUT

- Putting green
- Fairway
- Course routing
- (6) Hole number

SUMMARY OF LAB ANALYSIS

Sample name and date — Analyte

CB-1 (10/02/24)

	TPH-g	TPH-d	TPH-o	VOCS	Metals
3'	<0.5	<10	<50	<0.005	<ESLs [1]
10'	<0.5	<10	<50	<0.005	<ESLs [1]
15'	<0.5	<10	<50	<0.005	<ESLs [1]

Sample depth (ft) — Results (mg/kg)

Notes: Arsenic background concentration is 12 mg/kg per DTSC, 2020 and earlier
(1) ESLs = SFRWQCB 2019 Environmental Screening Levels for Commerical/Industrial Land Use, Construction Worker Exposure and Terrestrial Ecological Habitats
(2) Only arsenic analyzed in CB-6@1' (6.5 mg/kg)
(3) Arsenic = 18 mg/kg in CB-6@3'
(4) Nickel exceeds the construction worker ESL in noted sample CB-6@5'
TPH - Total Petroleum Hydrocarbons in the gasoline (g), diesel (d), and oil (o) ranges
VOCs - Volatile Organic Compounds
Metals - CAM 17 list

PROPOSED CUT/FILL EARTHWORK MAP SHOWING 2002/2005 PHASE II SITE ASSESSMENT BORINGS AND 2024 SUPPLEMENTAL BORINGS

Sandpiper Golf Club
Goleta, California
October 2024

Cut/Fill Basemap – Stantec Engineers (7/6/23)
October Boring Location Survey – Stantec Engineers (10/11/24)

N

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SCALE IN FEET

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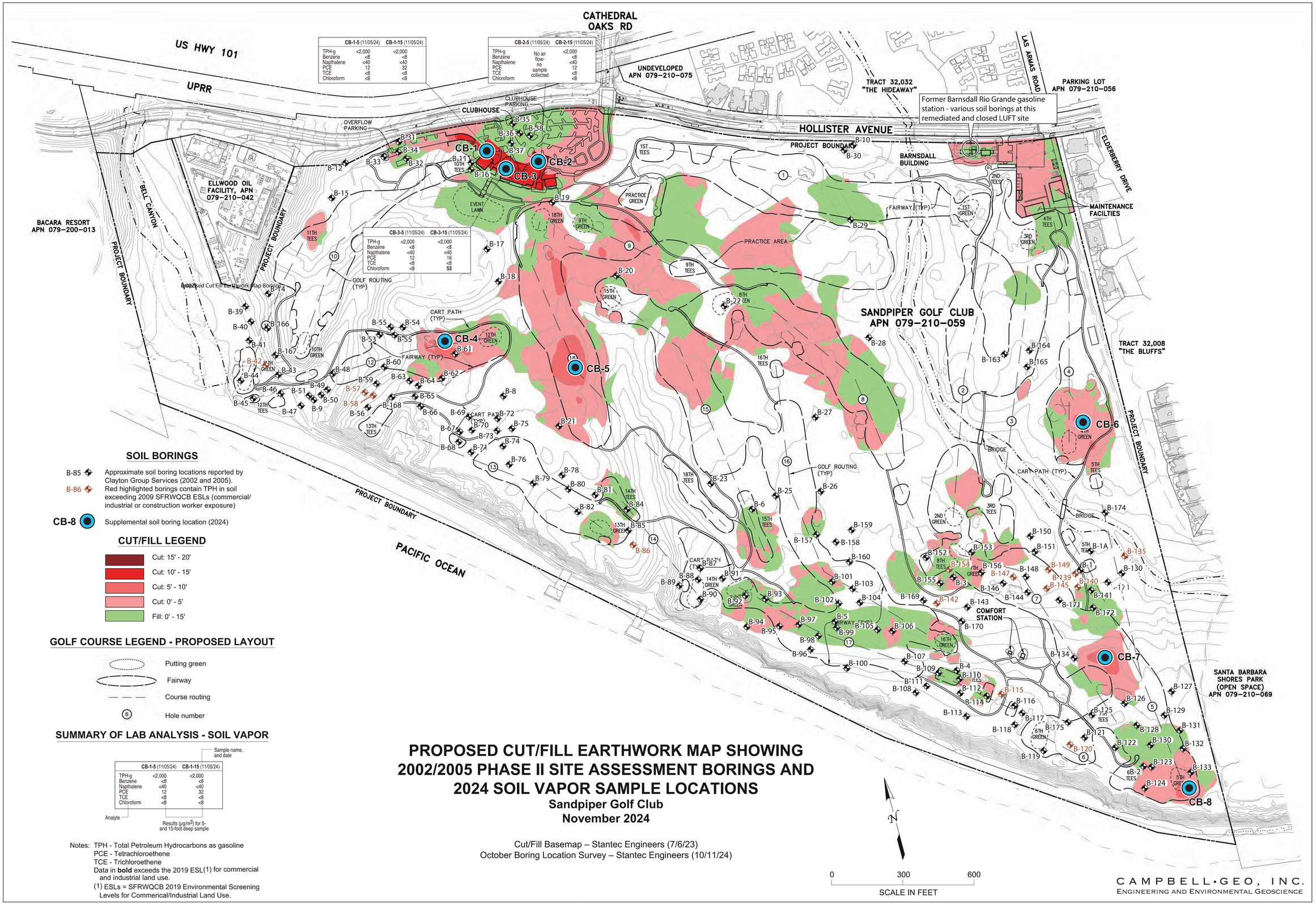
Plate 2



SOIL BORINGS

B-85 Approximate soil boring locations reported by Clayton Group Services (2002 and 2005).

B-86 Red highlighted borings contain TPH in soil exceeding 2009 SFRWQCB ESLs (commercial/ industrial or construction worker exposure)

CB-8 Supplemental soil boring location (2024)

CUT/FILL LEGEND

- Cut: 15' - 20'
- Cut: 10' - 15'
- Cut: 5' - 10'
- Cut: 0' - 5'
- Fill: 0' - 15'

GOLF COURSE LEGEND - PROPOSED LAYOUT

- Putting green
- Fairway
- Course routing
- (6) Hole number

SUMMARY OF LAB ANALYSIS - SOIL VAPOR

Sample name, and date

Analyte	CB-1-5 (11/05/24)	CB-1-15 (11/05/24)
TPH-g	<2,000	<2,000
Benzene	<8	<8
Napthalene	<40	<40
PCE	12	32
TCE	<8	<8
Chloroform	<8	<8

Results ($\mu g/m^3$) for 5- and 15-foot deep sample

Notes: TPH - Total Petroleum Hydrocarbons as gasoline
PCE - Tetrachloroethene
TCE - Trichloroethene
Data in **bold** exceeds the 2019 ESL(1) for commercial and industrial land use.
(1) ESLs = SFRWQCB 2019 Environmental Screening Levels for Commerical/Industrial Land Use.

PROPOSED CUT/FILL EARTHWORK MAP SHOWING 2002/2005 PHASE II SITE ASSESSMENT BORINGS AND 2024 SOIL VAPOR SAMPLE LOCATIONS

Sandpiper Golf Club
November 2024

Cut/Fill Basemap – Stantec Engineers (7/6/23)
October Boring Location Survey – Stantec Engineers (10/11/24)

CAMPBELL•GEO, INC.
ENGINEERING AND ENVIRONMENTAL GEOSCIENCE

Plate 3

APPENDIX

Soil Boring Location Map (Clayton Group Services, 2005)

Suspected Abandoned Oil Well and Pipeline Locations (Clayton Group Services, 2005)

Cut/Fill Earthwork Map, Sandpiper Golf Club (Stantec, 2023)

Map of Route:
Project Site (7925 Hollister Ave) to Goleta Valley Cottage Hospital (351 South Patterson Ave)



NOTES:
1. SUSPECTED ABANDONED OIL WELLS AND ABANDONED OIL PIPELINES ARE APPROXIMATELY LOCATED.

REFERENCE: AERIAL PHOTOGRAPH TAKEN BY AIRPHOTO USA OF PHOENIX, ARIZONA ON SEPTEMBER 9, 2004, PHOTOGRAPH NO.17-23.

300 0 300
Feet

Clayton GROUP SERVICES
6920 KOLL CENTER PARKWAY, SUITE 216 PLEASANTON, CALIFORNIA 94566
PHONE: 925.426.2600 FAX: 925.426.0106

DATE:	05/05/05
DRAWN BY:	DJR
CHECKED BY:	SH
PROJECT NO.:	70-03322.01
MXD NO.:	sandpiper_rpt_pipelocations.mxd

SUSPECTED ABANDONED OIL WELL AND PIPELINE LOCATIONS

SANDPIPER GOLF COURSE
7925 HOLLISTER AVENUE
GOLETA, CALIFORNIA

FIGURE
2



Legend

- Soil Boring (October 2002)
- Soil Boring (August-September 2004)
- 8 Fairway Number
- Former Gas Processing Facility
- Former Sump/Impoundment
- Former Tank Farm Area
- Water Bodies
- Property Line

NOTES:
1. FORMER TANK FARMS, FORMER SUMPS/IMPOUNDMENTS, AND THE FORMER GASOLINE PROCESSING FACILITY ARE APPROXIMATELY LOCATED.

REFERENCE: AERIAL PHOTOGRAPH TAKEN BY AIRPHOTO USA OF PHOENIX, ARIZONA ON SEPTEMBER 9, 2004, PHOTOGRAPH NO.17-23.

200 0 200
Feet

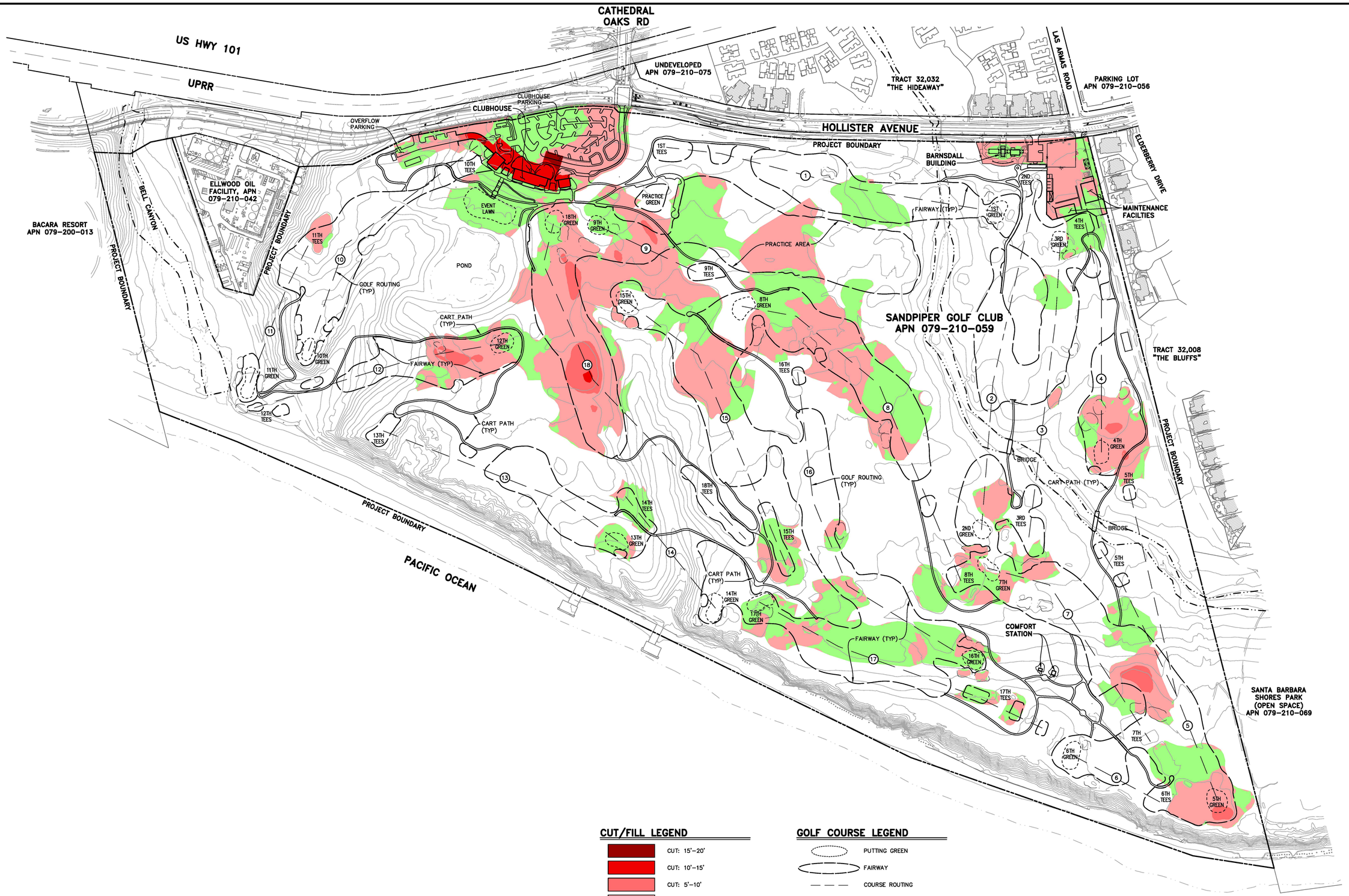
Clayton GROUP SERVICES
6920 KOLL CENTER PARKWAY, SUITE 210 PLEASANTON, CALIFORNIA 94566
PHONE: 925.426.2600 FAX: 925.426.2601

DATE:	11/04/04
DRAWN BY:	DJR
CHECKED BY:	SH
PROJECT NO.:	70-03822.01
MXD NO.:	Sandpiper_rpt_soilboringmap.mxd

SOIL BORING LOCATION MAP

SANDPIPER GOLF COURSE
7925 HOLLISTER AVENUE
GOLETA, CALIFORNIA

FIGURE 3



CUT/FILL LEGEND

- CUT: 15'–20'
- CUT: 10'–15'
- CUT: 5'–10'
- CUT: 0'–5'
- FILL: 0'–15'

GOLF COURSE LEGEND

- PUTTING GREEN
- FAIRWAY
- COURSE ROUTING
- (6) HOLE NUMBER

N

SCALE: 1"=150'
0 150 300 450

EXHIBIT

811 Know what's below. Call before you dig.

FOR REDUCED PLANS
ORIGINAL SCALE IN INCHES
0 1 2 3

NO.	DATE	REVISION BLOCK	APPD.

PREPARED FOR:
SANDPIPER GOLF TRUST, LLC
280 CHESTNUT AVENUE
WESTMONT, IL 60559

PREPARED BY:
Stantec
200 East Carrillo Street, Suite 101, Santa Barbara, CA 93101
Phone: (805) 963-9532
GUY GEREMY SALTS 60488 6/30/2024
PROJECT ENGINEER R.C.E. EXP. DATE

CUT/FILL EARTHWORK MAP

SANDPIPER GOLF CLUB

GOLETA, CA

STANTEC PROJECT NO. 2042588200
SHEET 1 OF 1
PLAN DATE 7/6/2023

DESIGN WFG CHECKED GSS
42-ENG SAVE DATE: 7/6/2023 7:46:33 AM PLOT BY:Sarnand, Waverly PLOT DATE:7/6/2023 8:22:38 AM
DRAWING c:\projects\5882\drawing\exhibits\5882exb_prelim_cut-fill_map.dwg

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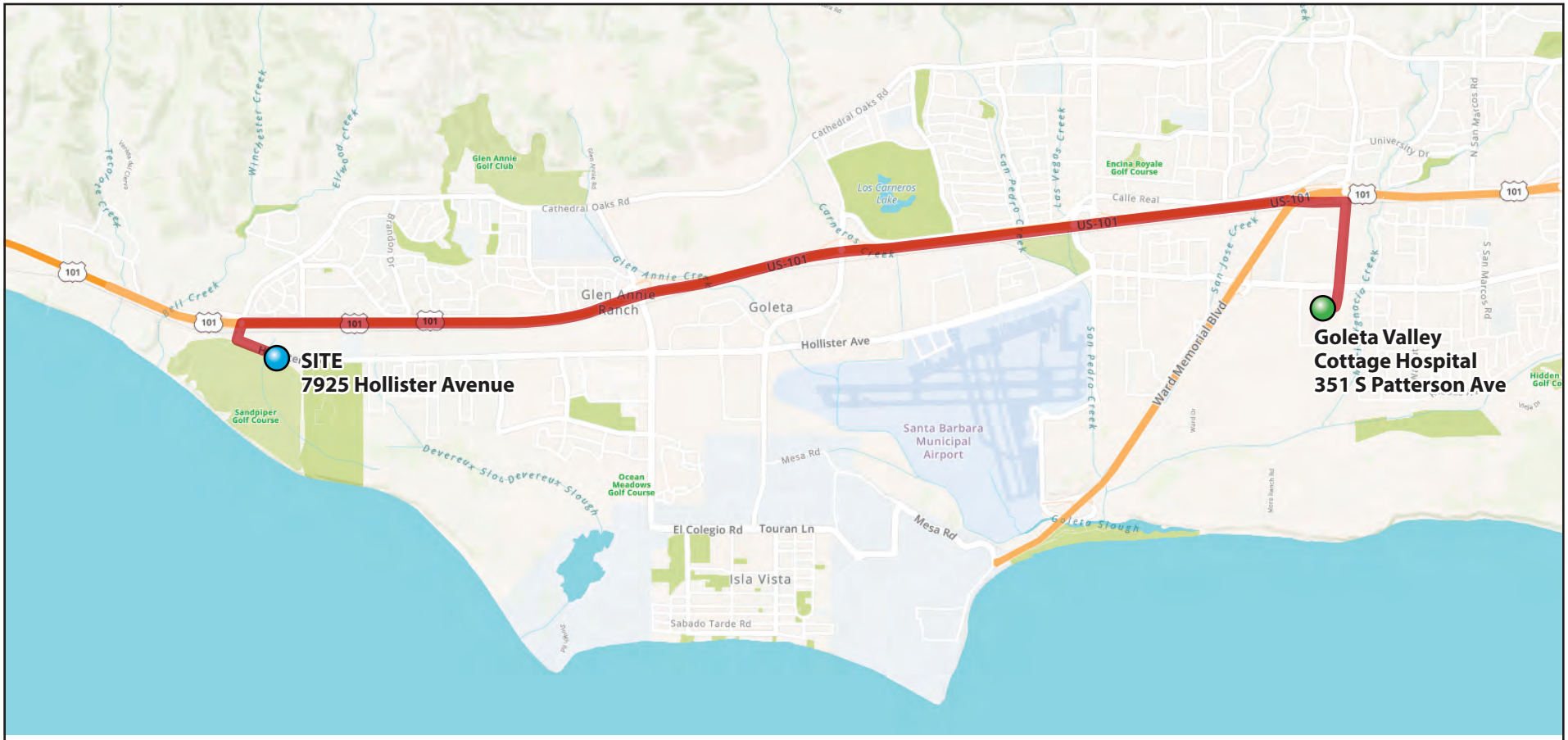


DIRECTIONS from **7925 Hollister Avenue:**

West on Hollister Ave. toward Whimbrel Ln.

Turn right onto Cathedral Oaks Rd.

Merge onto Pacific Coast Highway/US-101 S.

Take Patterson Avenue exit, EXIT 104.

Turn right onto S Patterson Ave.

To: **351 S Patterson Ave** (on right)

ROUTE TO HOSPITAL
SANDPIPER GOLF CLUB
7925 HOLLISTER AVENUE
Goleta, California

Basemap – MapQuest, 2022

0 1 2

SCALE IN MILES

N

CAMPBELL•GEO, INC.
ENGINEERING AND ENVIRONMENTAL GEOSCIENCE

By ---

Date ---

Appendix I-3

Supplemental Soil Vapor Assessment

CAMPBELL·GEO, INC.

ENGINEERING AND ENVIRONMENTAL GEOSCIENCE

Supplemental Soil Vapor Assessment
Sandpiper Golf Course – SMU Site #375
7925 Hollister Avenue (APN 079-210-059)
Goleta, California

August 4, 2025

Submitted to

Santa Barbara County Environmental Health Services
2125 South Centerpointe Parkway, Suite 333
Santa Maria, CA 93455

Attn: Mr. Tom Rejzek, PG, CEG

Prepared by

CAMPBELL·GEO, INC.
1130 DEL SOL AVENUE SANTA BARBARA CALIFORNIA 93109-2108
TELEPHONE: (805) 965-5003

C A M P B E L L · G E O, I N C
ENGINEERING AND ENVIRONMENTAL GEOSCIENCE

August 4, 2025

Santa Barbara County Environmental Health Services
2125 South Centerpointe Parkway, Suite 333
Santa Maria, CA 93455

Attn: Mr. Tom Rejzek, PG, CEG

Subject: Supplemental Soil Vapor Assessment
Sandpiper Golf Course – SMU Site #375
7925 Hollister Avenue (APN 079-210-059)
Goleta, California

Dear Tom:

INTRODUCTION

Campbell·Geo, Inc. (CGI) presents this report describing a supplemental environmental site assessment limited to soil vapor at the Sandpiper Golf Course property, located at 7925 Hollister Avenue in Goleta, California. Please see Plate 1 – Project Location Map. The property owner, Sandpiper Golf Trust, LLC, has submitted a development application to the City of Goleta for remodeling and upgrades to the golf course and clubhouse, which are located on a 192.93-acre parcel near the Ellwood Mesa. A work plan for this investigation prepared by CGI, dated April 12, 2025 was approved with conditions by Santa Barbara County Environmental Health Services (EHS) in a memo dated June 4, 2025.

The purpose of this supplemental site assessment is to further evaluate the presence of volatile organic compounds (VOCs) in soil vapor at the proposed footprint of the clubhouse to be reconstructed. The data collected in 2024 indicated a potential soil vapor intrusion hazard existed.

The proposed grading during the golf course renovation includes the proposed golf cart basement under the new clubhouse. Other proposed development details and summary of site history are provided in the January 8, 2025 Supplemental Site Assessment report prepared by Campbell Geo. That report also summarizes the previous environmental site investigations dating back to the first site investigation, Clayton Group Services' "Soil Sampling Investigation Report,"

dated November 14, 2002.

The geologic and hydrologic setting of the Sandpiper Golf course is described in the January 8, 2025 Campbell Geo report.

SITE INVESTIGATION

The supplemental site assessment work was conducted in accordance with the Site Safety Plan, appended to the March 2024 CGI work plan. Soil boring permit applications were submitted to and approved by EHS. The permits are included in Appendix A. After marking the site for Underground Service Alert, CGI conducted the following tasks:

1) Accessed three (3) locations on the site, as shown on Plate 2, where temporary soil vapor probes were constructed in the proposed clubhouse building footprint. The probes included gas inlets set at depths of 5 and 15 feet with $1/16^{th}$ inch diameter (ID) nyla-flo tubing. The probes were set in one-foot-thick coarse sand sections placed in the boreholes, nested between zones sealed with hydrated bentonite.

2) Soil samples were collected from a 5-foot depth at CB-2R where some discoloration was noted and from the drum where soil cuttings were collected. (Please see the boring logs in Appendix A).

3) More than 24 hours after probe construction, per DTSC protocols, samples were collected from the temporarily installed nylon tubing into laboratory supplied stainless steel containers and analyzed at an offsite state-certified laboratory. The analyses include volatile organic compounds (VOCs) conducted by the EPA 8260 method. Methane was also analyzed. To verify that the soil gas samples were representative, leak testing protocols were employed prior to sample collection.

ANALYTICAL LABORATORY RESULTS

Soil Samples

The analyses of soil samples collected from CB-2R and from the waste drum found no detectable Total Petroleum Hydrocarbons (TPH) or VOCs. The metals analyzed (CAM 17 list) did not exceed Tier 1 ESLs. Arsenic, vanadium, and cadmium were detected but were limited to background concentrations. The soil in the waste drum has been spread in an onsite landscape planter, as approved by EHS memo dated July 9, 2025.

Soil Vapor Survey

The soil vapor survey conducted in June 2025 demonstrates VOC impacts from benzene, tetrachloroethene (PCE), chloroform, and methane. Benzene and chloroform were found to exceed the soil vapor ESL. Benzene was found in one soil vapor sample, CB-1R, at a concentration of 20 ug/m^3 at a depth of 15 feet. The benzene ESL for commercial land use land use (SFRWQCB, 2019) is 14 ug/m^3 for sub slab soil vapor concentrations. Chloroform was found to exceed the soil vapor ESL in one soil vapor sample, CB-3R, at a depth of 15 feet. The chloroform ESL for commercial land use land use (SFRWQCB, 2019) is 18 ug/m^3 for sub slab soil vapor concentrations. The soil vapor concentration of chloroform was 61 ug/m^3 in CB-3R at 15 feet and 49 ug/m^3 in a duplicate sample from that same location and depth. The sub slab soil vapor concentrations indicate the potential for vapor intrusion to the overlying structure under an assumed attenuation factor from the soil vapor to indoor air.

The methane concentration in soil vapor was quantified, given the site's historic land use, including petroleum production and storage. Methane can also be present due to degradation of organic matter. The data reported in percent volume has been converted to µg/m^3 using the molecular weight (16.04 g/mol) of methane. The concentrations of methane range from 41,986 µg/m^3 to 288,654 µg/m^3. These concentrations are less than 0.05 percent by volume. Methane mixed with air at 5 to 15 percent is explosive. Methane exceeding 10 percent in indoor air spaces

is also considered hazardous since it can displace oxygen. The California State Water Resources Control Board and the USEPA do not list a soil gas screening level for toxicity of methane.

The previous soil vapor survey conducted in November 2024 demonstrates VOC impacts from chloroform exceeding the soil vapor ESL at CB-3, at a depth of 15 feet. The soil vapor concentration of chloroform was 53 ug/m^3 in CB-3 at 15 feet and 33 ug/m^3 in a duplicate sample from that same location and depth. The 2024 and 2025 soil vapor data is shown on Table I and Plate 2 of this report. The complete lab report for 2025 is included in Appendix B.

CONCLUSIONS/ RECOMMENDATIONS

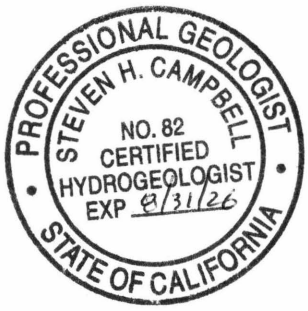
1) Retesting soil vapor was completed in June 2025 to verify the presence or absence of the soil vapor intrusion hazard at the clubhouse in roughly the same locations and at the same depths as were sampled in November 2024. The June 2025 soil vapor data indicates that there is some potential for soil vapor intrusion into the proposed structures under current conditions. Benzene and chloroform were found exceeding the ESL in soil vapor. Temporary soil vapor wells were constructed but not abandoned until the lab analyses are complete and the need for additional testing, if any, is confirmed.

2) If SBCEHS confirms it is necessary, a soil vapor intrusion mitigation system plan can be prepared and then implemented by a qualified engineer during construction of the new clubhouse.

We trust that this report and the recommendations are acceptable to EHS. Please provide written concurrence or contact us if you have any questions.

Sincerely,
Campbell·Geo, Inc





Steven H. Campbell
Professional Geologist
State of California, #5576
Certified Engineering Geologist
State of California, #1729
Certified Hydrogeologist
State of California, #82

cc: Brownstein Hyatt Farber Schreck, LLP
Attention: Ms. Beth Collins

G:\clients\Sandpiper\Reports\Supplemental Site Assessment\20250804.docx

Attachments: Tables(1)
Plates (2)
Appendices

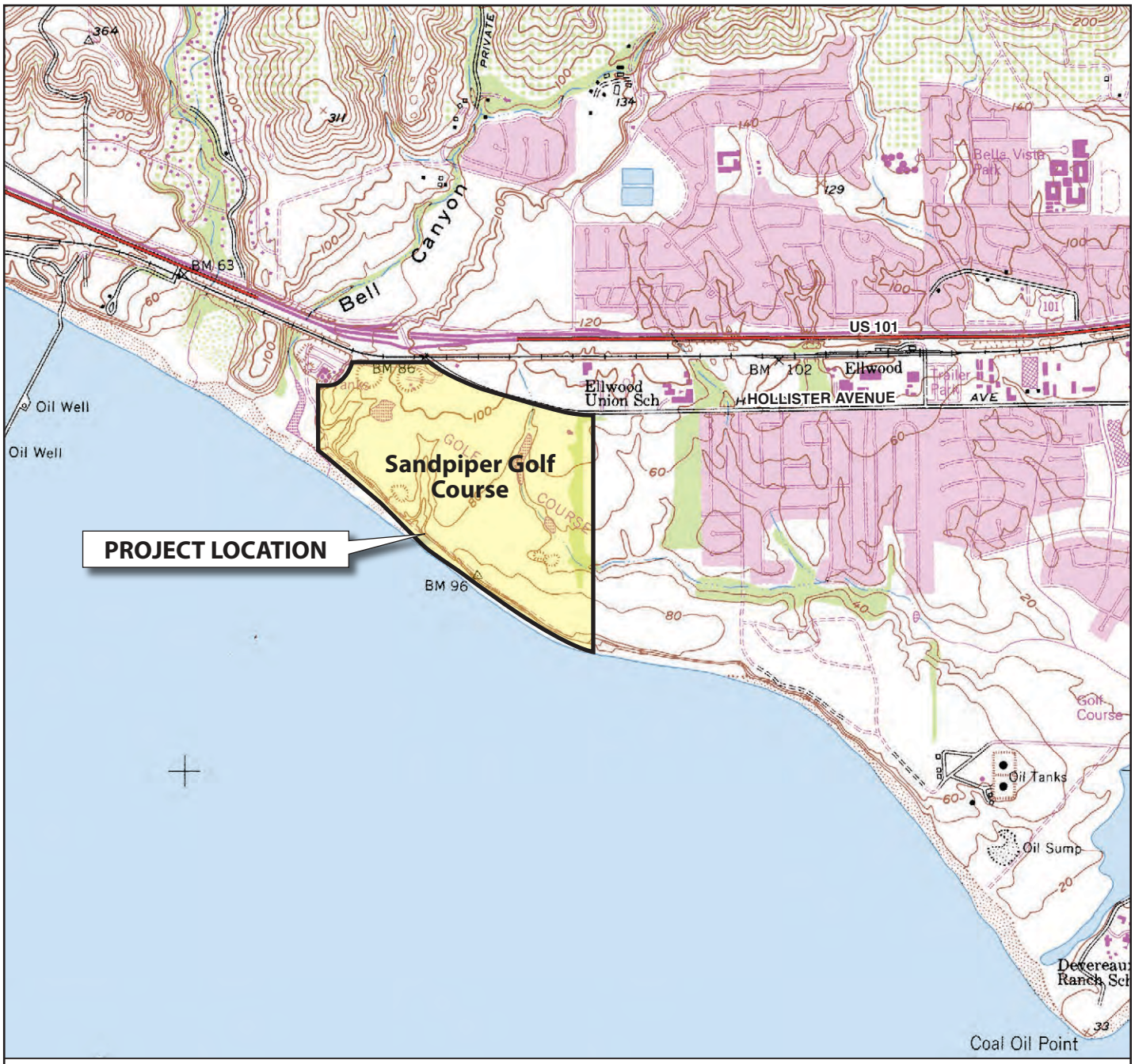
TABLE I
SUMMARY OF SOIL VAPOR ANALYSES
October 2024 Supplemental Site Assessment - Sandpiper Golf Course
Goleta, California

(All constituents listed in µg/m^3)

		COMPOUND							
SAMPLE	DATE	**TPH-g**	**Benzene**	**PCE**	**TCE**	**Freon 12**	**Vinyl Chloride**	**Chloroform**	**Methane**
CB-1-5	11/5/2024	<2,000	<8	12	<8	<16	<8	<8	NA
CB-1-15	11/5/2024	<2,000	<8	32	<8	22	<8	<8	NA
CB-2-5	11/5/2024	No Air Flow - No Sample Collected							
CB-2-15	11/5/2024	<2,000	<8	12	<8	57	<8	<8	NA
CB-3-5	11/5/2024	<2,000	<8	12	<8	<16	<8	<8	NA
CB-3-15	11/5/2024	<2,000	<8	16	<8	183	<8	53	NA
CB-3-15-REP	11/5/2024	<2,000	<8	8	<8	129	<8	33	NA
CB-1R-5	6/30/2025	<2000	<8	<8	<8	<16	<8	<8	124,616
CB-1R-15	6/30/2025	<2000	20	14	<8	<16	<8	<8	41,986
CB-2R-5	6/30/2025	<2000	<8	<8	<8	<16	<8	9	118,086
CB-2R-15	6/30/2025	<2000	<8	<8	<8	21	<8	<8	32,802
CB-3R-5	6/30/2025	<2000	<8	<8	<8	<16	<8	<8	111,526
CB-3R-15	6/30/2025	<2000	<8	<8	<8	69	<8	61	242,732
CB-3R-15-REP	6/30/2025	<2000	<8	<8	<8	55	<8	49	288,654
Commercial/Industrials ESLs (Table SG-1)		**83,000**	**14**	**67**	**100**	**NL**	**5.2**	**18.0**	**NL**

Subslab/Soil Gas Vapor Intrusion Hazard : Environmental Screening Levels for Commercial/Industrial Land Use - SFRWQCB 2019 (Rev. 2)
Analyses conducted by the modified EPA 8260B method.

TPH-g = Total Petroleum Hydrocarbons as Gasoline
PCE = Tetrachloroethene
TCE = Trichloroethene
NL = Not Listed
NA = Not Analyzed



A portion of the U.S.G.S. "Dos Pueblos" 7.5" quadrangle (1988)

PROJECT LOCATION MAP
SANDPIPER GOLF CLUB
7925 HOLLISTER AVENUE
Goleta, California

Date

By

N

SCALE IN FEET

0 2000 4000

CAMPBELL•GEO, INC.
ENGINEERING AND ENVIRONMENTAL GEOSCIENCE

Plate 1

PROPOSED CUT/FILL EARTHWORK MAP SHOWING 2002/2005 PHASE II SITE ASSESSMENT BORINGS AND 2024/2025 SOIL VAPOR SAMPLE LOCATIONS

Sandpiper Golf Club

August 2025

Cut/Fill Basemap – Stantec Engineers (7/6/23)
October Boring Location Survey – Stantec Engineers (10/11/24)

	CB-1-5 (11/05/24)	CB-1-15 (11/05/24)	CB-1R-5 (6/30/25)	CB-1R-15 (6/30/25)
TPH-g	<2,000	<2,000	<2,000	<2,000
Benzene	<8	<8	<8	20
Napthalene	<40	<40	<40	<40
PCE	12	32	<8	14
TCE	<8	<8	<8	<8
Chloroform	<8	<8	<8	<8

	CB-2-5 (11/05/24)	CB-2-15 (11/05/24)	CB-2R-5 (6/30/25)	CB-2R-15 (6/30/25)
TPH-g	No air	<2,000	<2,000	<2,000
Benzene	flow-	<8	<8	<8
Napthalene	no	<40	<40	<40
PCE	sample	12	<8	<8
TCE	collected	<8	<8	<8
Chloroform		<8	9	<8

	CB-3-5 (11/05/24)	CB-3-15 (11/05/24)	CB-3R-5 (6/30/25)	CB-3R-15 (6/30/25)
TPH-g	<2,000	<2,000	<2,000	<2,000
Benzene	<8	<8	<8	<8
Napthalene	<40	<40	<40	<40
PCE	12	16	<8	<8
TCE	<8	<8	<8	<8
Chloroform	<8	53	<8	61

SOIL BORINGS

B-85 Approximate soil boring locations reported by Clayton Group Services (2002 and 2005).

B-86 Red highlighted borings contain TPH in soil exceeding 2009 SFRWQCB ESLs (commercial/ industrial or construction worker exposure)

CB-8 Supplemental soil boring location (2024/2025)

CUT/FILL LEGEND

- Cut: 15' - 20'
- Cut: 10' - 15'
- Cut: 5' - 10'
- Cut: 0' - 5'
- Fill: 0' - 15'

GOLF COURSE LEGEND - PROPOSED LAYOUT

- Putting green
- Fairway
- Course routing
- (6) Hole number

SUMMARY OF LAB ANALYSIS - SOIL VAPOR

Sample name, and date

	CB-1-5 (11/05/24)	CB-1-15 (11/05/24)
TPH-g	<2,000	<2,000
Benzene	<8	<8
Napthalene	<40	<40
PCE	12	32
TCE	<8	<8
Chloroform	<8	<8

Analyte

Results ($\mu g/m^3$) for 5- and 15-foot deep sample

Notes: TPH - Total Petroleum Hydrocarbons as gasoline
PCE - Tetrachloroethene
TCE - Trichloroethene
Data in **bold** exceeds the 2019 ESL(1) for commercial and industrial land use.
(1) ESLs = SFRWQCB 2019 Environmental Screening Levels for Commerical/Industrial Land Use.

Former Barnsdall Rio Grande gasoline station - various soil borings at this remediated and closed LUFT site

0 300 600
SCALE IN FEET

CAMPBELL•GEO, INC.
ENGINEERING AND ENVIRONMENTAL GEOSCIENCE

Plate 2

APPENDICES

Appendix A	SBCEHS Permits
	Boring Logs
Appendix B	Laboratory Results
	Chain of Custody

Appendix A

SBCEHS Permits

Boring Logs

Santa Barbara County PUBLIC Health DEPARTMENT

Environmental Health Services
225 Camino Del Remedio, Santa Barbara, CA. 93110 ◆(805) 681-4900
2125 S. Centerpointe Pkwy., #333 • Santa Maria, CA 93455-1340 ◆ (805) 346-8460

GEOTECHNICAL AND ENVIRONMENTAL SOIL BORING PERMIT APPLICATION

TYPE OF PERMIT (*Please check the appropriate box below*)

☒ Soil Boring Destruction	$ 365 per boring	Hourly Rate of $161 may be charged for excess time
● Single Parcel Boring Destruction	$535 – multiple borings at same parcel on same day	Hourly Rate of $161 may be charged for excess time
☐ 12-Month Multi-parcel Boring Destruction	$2,308 – unlimited borings	Must be C-57 Licensed to qualify. Hourly Rate of $161 may be charged for excess time
☐ Check Box if these are additional borings on a previous 12-Month Multi-parcel permit.		

FOR OFFICE USE ONLY
Rec'd Date: 6/3/2025
Rec'd By: TMR
Permit #: A20200
W/P #: EH-LUA-25-000266
SR#: N/A
P/E #: 4693
Hazmat Site #: 375

Required Attachments: Plot plan indicating the location of the borings with respect to the following items:

1. Property lines.
2. Below grade utilities, piping, USTs, etc.
3. Access roads and easements (water, sewer, utility, roadway)
4. Existing and/or proposed structures.
5. Areas or sources of known or suspected contamination.
6. Sewage disposal systems or works carrying or containing sewage or industrial wastes within the vicinity of proposed borings.
7. All perennial, seasonal, natural, or artificial water bodies or watercourses, if applicable.

OWNER INFORMATION or MULTI-PARCEL PERMIT HOLDER (MPP) INFORMATION:

Owner or MPP Name (Required): Sandpiper Golf Trust, LLC Primary Phone (805) 689-8100

Owner Mailing Address: 280 Chestnut Street (Street Number and Street Name) | Westmont (City) | IL / 60559 (State/ Zip Code)

If MPP Holder, Permit#_____ **Permit Date:** _____ **C-57 License #**_____

Complete this section if the person coordinating this project is other than the Boring Owner (e.g., driller, contractor, etc.)

Project Coordinator/Certified Professional Name: Steve Campbell, Campbell Geo, Inc.

Mailing Address: 1130 Del Sol Avenue (Street Number and Name) | Santa Barbara (City) | CA / 93109 (State / Zip Code)

Primary Phone: (805) 689 - 4123 Email: Steve@CampbellGeo.com

BORING INFO: Type: ■ Environmental ☐ Geotechnical ☐ Other _____

Boring Location: 7925 Hollister Avenue (Street Number and Street Name) | Goleta (City) | CA / 93117 (State/ Zip Code)

Alternate Highway/Road:_____ Direction:____ Milepost:_____ Lat: _____ Lon:_____

Boring Location's Assessor's Parcel Number (APN): 079-210-059

Drilling Method: ☐ Hollow Stem Auger ☐ Mud Rotary ☐ Air Rotary ☐ Sonic ■ Direct Push ☐ Other _____

Proposed Depth 15 ft.

Bore Hole Dia. 2 in.

Sealing Material: ■ Clay

☐ Neat Cement ☐ Cement Grout

Boring ID# CB-1R, CB-2R, CB-3R

Boring Use (Check ALL that apply)

☐ Soil Sampling ■ Soil Vapor Sampling ☐ Groundwater Sampling ☐ Remedial Injections

☐ Geotechnical ☐ Other Additional Work Description: Temporary Vapor Wells with inlets nested at 5' and 15', at each of 3 locations

LEGAL DECLARATION

LICENSED CONTRACTOR DECLARATION

I hereby affirm that I am licensed under the provisions of Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code (B. & P.C.) as a well drilling contractor (C-57 license) and such license is in full force and effect.

OEC, Inc. (Print Name of Driller) | Signature of Driller | 6/2/2025 (Date)

Lic. No.: 841350 Office Telephone 805-922-4772 Cell Phone: _____

Business Name: OEC, Inc. Address 307 Roemer Way, #300, Santa Maria, CA

(Complete 'A' or 'B')

A. WORKERS' COMPENSATION DECLARATION

I hereby affirm one of the following:

- ☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.
- ☒ I have and will maintain workers' compensation insurance, as provided for by Section 3700 of the Labor Code, for the performance of work for which this permit is issued. My insurance carrier and policy number are:

Carrier Travelers Property Casualty of America Policy No. UB008W200727

Applicant Signature _____ Date 6/2/2025

B. CERTIFICATION OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

I certify that in the performance of work for which this permit is issued, I shall not employ any person in a manner so as to become subject to the Worker's Compensation Laws of California.

Applicant Signature _____ Date _____

Notice to Applicant: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

When signed by an Env. Health or Haz Mat Specialist or Professional Geologist, this application shall be deemed a permit only for the work described. You are responsible for obtaining all other permits required from other agencies, prior to implementing this work. THIS PERMIT IS VALID FOR ONE YEAR FROM THE DATE OF ISSUANCE FOR THE WORK APPROVED HEREIN. No changes from the approved plan are permitted without prior written approval by Environmental Health Services (EHS). Final clearance will not be issued until all fees are paid and a copy of the drillers log is submitted to EHS.

I hereby agree to comply with all regulations of the County of Santa Barbara and California Well Standards pertaining to boring destruction and inactivation. The property owner, boring driller, or agent will furnish EHS a copy of a completed boring log upon completion of boring destruction.

I certify that I have read this application and declare under penalty of perjury that the information contained herein is true, correct and complete. I hereby authorize representatives of EHS to enter the premises for the purpose of inspecting the site and work described herein for compliance with county requirements.

REQUIRED INSPECTIONS: After permit approval, and prior to covering any components, an inspection must be scheduled directly with the approving Env. Health or Haz Mat Specialist or Professional Geologist at least two (2) business days in advance for:

- ✓ The destruction of boring(s);
- ✓ Any operation stipulated on the permit to address special or unusual conditions.

Signed Steve Campbell (Applicant (Print Name)) | Steve Campbell (Applicant's Signature) | 6/3/25 (Date)

APPLICATION DISPOSITION: ☒ **Approved** ☐ **Denied**

Signed _____ (Env. Health Specialist / Haz Mat Specialist / Professional Geologist) | 6/4/2025 (Date)

FOR DEPARTMENT USE ONLY

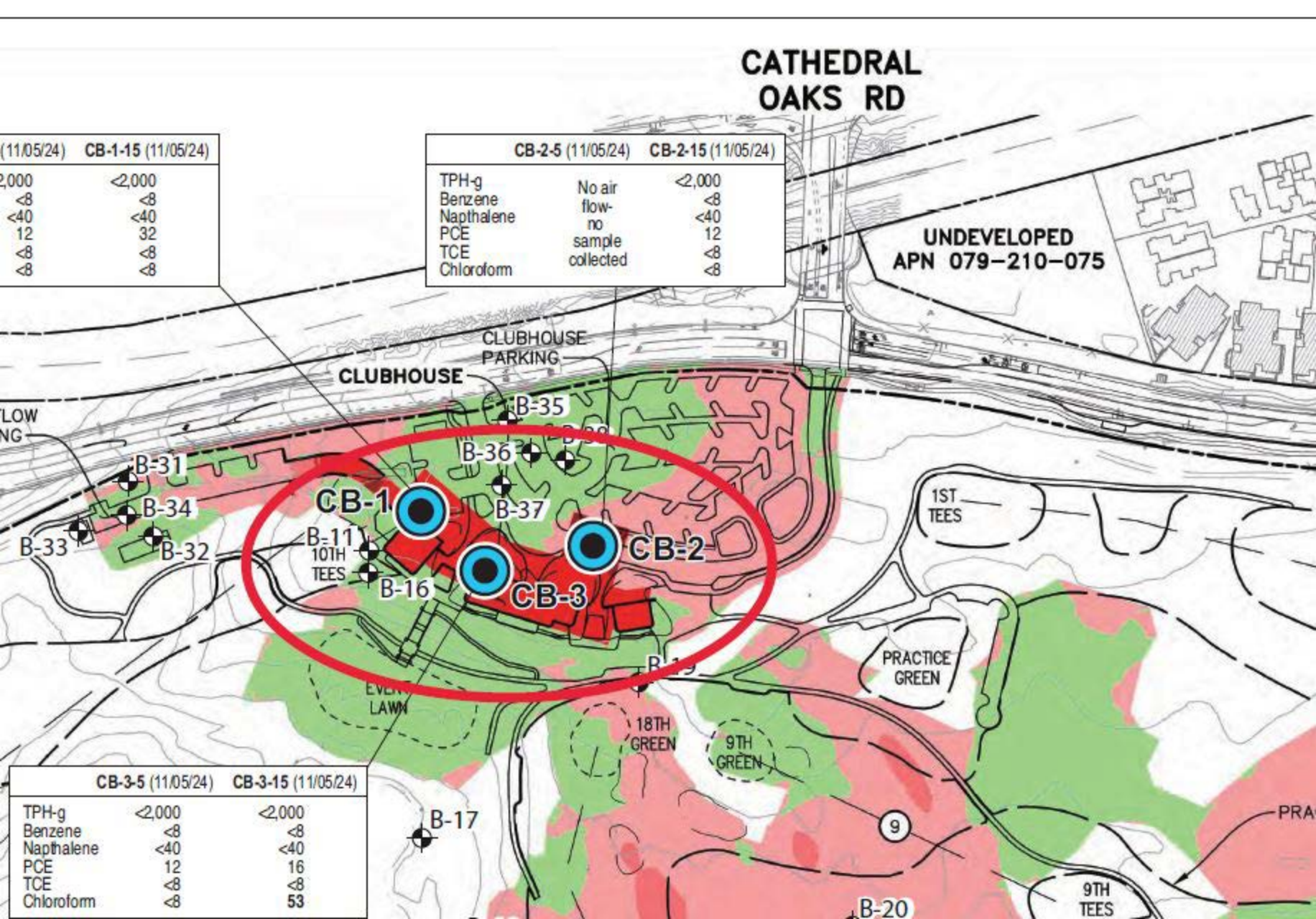
Fixed Fee Rec'd: by: CB Date: 6/4/2025 Amt.$ 535.00 ☐ Cash ☐ Check # N/A

☐ Credit Card # 0092 Receipt No.:#: 2205602

Permit Conditions: Backfill Borings Per DTSC/LA-RWQCB 218 Advisory - Activbe Soil Gas Investigations

Table of Multiple Borings for Either Single parcel or 12-Month Multi-parcel Permits

Boring ID	Proposed Total Depth (feet)	SR# (EHS Data Entry)
CB-1R	15	
CB-2R	15	
CB-3R	15	


CATHEDRAL OAKS RD
UNDEVELOPED APN 079-210-075
CLUBHOUSE
CLUBHOUSE PARKING
B-31
B-34
B-33
B-32
B-35
B-36
B-37
CB-1
CB-2
CB-3
B-11
10TH TEES
B-16
1ST TEES
PRACTICE GREEN
18TH GREEN
9TH GREEN
B-17
B-20
9TH TEES
9
(11/05/24) CB-1-15 (11/05/24)
2,000 <2,000
<8 <8
<40 <40
12 32
<8 <8
<8 <8
CB-2-5 (11/05/24) CB-2-15 (11/05/24)
TPH-g No air flow- no sample collected <2,000
Benzene <8
Napthalene <40
PCE 12
TCE <8
Chloroform <8
CB-3-5 (11/05/24) CB-3-15 (11/05/24)
TPH-g <2,000 <2,000
Benzene <8 <8
Napthalene <40 <40
PCE 12 16
TCE <8 <8
Chloroform <8 53

CAMPBELL• GEO, INC.

BORING LOG

PROJECT: Sandpiper Golf Club	BORING NO: CB-1R	
Location: 7925 Hollister Avenue, Goleta	Logged By: SC	
Date: 06/19/2025	Checked By: Steve Campbell	
Time Started/Finished: 10:30 to 12:00	Casing Size and Type: 1/8" O.D. 1/16" I.D. Nyla-Flo	
Sampling Method: Hydraulic push - acetate sleeve	Screen Slot Size:	Filter Pack: #3 sand
Rig Type: 6610 DT Geoprobe	Elevation:	Boring Diameter: 2.25"
Drilling Contractor: OEC	Boring Location: West end of parking lot; 2' NW of CB-1	

Depth (ft)	Sample no.	PID	Blows per foot	USCS/Soil Description	Graphic log	H_2O	Well construction
0				0 - 4" aphalt / 4" base gravel			
1				Silty clay; yellow/brown; moist; stiff; dense; no HC odor	CL		
5	CB-1R @ 5'			Silty sand; medium brown; moist; firm; moderately dense; no HC odor	SM		
10	CB-1R @ 10'			Clayey silt, sand; light brown; moist; firm; moderately dense; no HC odor	SM-ML		
				Clay; yellow/brown; moist; dense; no HC odor	CL		
				Silty sand; brown; moist; firm; moderately dense; no HC odor	SM		
15	CB-1R @ 15'			Clay; yellow/brown; moist; stiff; dense; no HC odor	CL		
				Silty sand/sand; brown; moist; firm; moderately dense; no HC odor	SM-SP		
				Clay; yellow/brown; moist; stiff; dense; no HC odor	CL		
20	CB-1R @ 20'			Silty sand; brown; moist; firm; moderately dense; no HC odor	SM		
				EOB: 20 feet No groundwater encountered Completed temporatry SV well with 5' and 15' gas inlets PID = MiniRAE 2000 malfunctioned - no readings			

CAMPBELL• GEO, INC.

BORING LOG

PROJECT: Sandpiper Golf Club	BORING NO: CB-2R	
Location: 7925 Hollister Avenue, Goleta	Logged By: SC	
Date: 06/19/2025	Checked By: Steve Campbell	
Time Started/Finished: 12:10 to 13:30	Casing Size and Type: 1/8" O.D. 1/16" I.D. Nyla-Flo	
Sampling Method: Hydraulic push - acetate sleeve	Screen Slot Size:	Filter Pack: #3 sand
Rig Type: 6610 DT Geoprobe	Elevation:	Boring Diameter: 2.25"
Drilling Contractor: OEC	Boring Location: In planter east of clubhouse	

Depth (ft)	Sample no.	PID	Blows per foot	USCS/Soil Description	Graphic log	H_2O	Well construction
0				Silty clay and clay; yellow/brown; moist; stiff; no HC odor			
1							
	CB-2R @ 5'				CL		
5				As above with 1-inch section of gray discoloration; no odor; becoming very moist at 6'			
				Silty sand and sand; gray/green and brown; moist; firm to stiff; moderately dense; no HC odor	SM-SP		
10	CB-2R @ 10'						
				Clay; gray/green; moist to very moist; stiff; dense; no HC odor	CL		
				Silty sand and sand; light brown/green; moist; moderately dense; no HC odor	SM-SP		
15	CB-2R @ 15'						
				Clay and silty clay; yellow/brown with some black streaks; very moist; saturated in short zone @18.5'; stiff; dense; no HC odor	CL	▽	
				Silty sand; brown with some black streaks; moist; firm; moderately dense; no HC odor	SM		
20	CB-2R @ 20'						
				EOB: 20 feet Groundwater as noted Completed temporatry SV well with 5' and 15' gas inlets PID = MiniRAE 2000 malfunctioned - no readings			

BORING LOG

CAMPBELL• GEO, INC.

PROJECT: Sandpiper Golf Club	BORING NO: CB-3R	
Location: 7925 Hollister Avenue, Goleta	Logged By: SC	
Date: 06/19/2025	Checked By: Steve Campbell	
Time Started/Finished: 8:45 to 10:05	Casing Size and Type: 1/8" O.D. 1/16" I.D. Nyla-Flo	
Sampling Method: Hydraulic push - acetate sleeve	Screen Slot Size:	Filter Pack: #3 sand
Rig Type: 6610 DT Geoprobe	Elevation:	Boring Diameter: 2.25"
Drilling Contractor: OEC	Boring Location: West of ex. clubhouse, on patio 5' west of CB-3	

Depth (ft)	Sample no.	PID	Blows per foot	USCS/Soil Description	Graphic log	H_2O	Well construction
0				0 - 8" concrete/rebar and base (3")			
1				Silty clay; yellow/brown; moist; stiff; dense; no HC odor	ML-CL		
	CB-3R @ 5'						
5							
				Sandy silt with minor clay; brown; moist; firm to stfiff; moderately dense; no HC odor	SM-ML		
10	CB-3R @ 10'			Sandy clay; yellow/brown to brown; moist; stiff	SC		
15	CB-3R @ 15'			Silty sand; brown; moist; firm; moderately dense; no HC odor	SM		
				Silty clay; yellow/brown;moist; sttiff; dense; no HC odor	CL		
20	CB-3R @ 20'			Sandy silt; brown; moist to very moist; firm; moderately dense; no HC odor	SM		
				EOB: 20 feet No groundwater encountered Completed temporatry SV well with 5' and 15' gas inlets PID = MiniRAE 2000 malfunctioned - no readings			

Appendix B

Laboratory Results

Chain of Custody

Analytical Report

Oilfield Environmental & Compliance, Inc.

Steve Campbell
Campbell Geo, Inc.
1130 Del Sol Avenue
Santa Barbara, CA 93109

OEC Work Order: **2505729**

Report Date: **July 01, 2025 11:28**

Project: **Sandpiper**

Number: 7925 Hollister Ave, Goleta, CA

Enclosed is an analytical report for the above referenced project. The samples included in this report were received on June 19, 2025 15:50 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Manual, applicable standard operating procedures, and other related documentation. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Authorized for release by:



Meredith Sprister, Business Director
msprister@oecusa.com

This laboratory is accredited in accordance with the recognised International Standard ISO/IEC 17025. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISOILAC-IAF Communiqué dated April 2017)

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
1130 Del Sol Avenue	Project Number: 7925 Hollister Ave, Goleta, CA	2505729
Santa Barbara CA, 93109	Project Manager: Steve Campbell	07/01/2025 11:28

Sample Summary

Sample ID	Laboratory ID	Client Matrix	Lab Matrix	Date Sampled	Date Received
CB-2RES	2505729-01	Solid	Solid	06/19/2025 12:40	06/19/2025 15:50
Waste Drum	2505729-02	Solid	Solid	06/19/2025 13:00	06/19/2025 15:50

Sample Batch Preparation Summary

Analysis	Batch ID	Preparation Date/Time
Semi-Volatile Organic TPH by GC/FID		
8015 Diesel & Motor Oil List	B5F0788	06/20/2025 13:08
Total Metals by CVAA		
Mercury Total EPA 7471A	B5F0770	06/20/2025 07:33
Total Metals by ICP		
6010B Total	B5F0887	06/24/2025 12:58
Volatile Organic Compounds by GC/MS		
8260B Full List	B5F0847	06/23/2025 14:04
Volatile Organic TPH by GC/FID		
8015 TPH-Gasoline	B5F0809	06/23/2025 11:30

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.

Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
1130 Del Sol Avenue	Project Number: 7925 Hollister Ave, Goleta, CA	2505729
Santa Barbara CA, 93109	Project Manager: Steve Campbell	07/01/2025 11:28

Analytical Report for Samples

Sample ID : **CB-2RES**
Matrix : Solid
Lab ID : 2505729-01

Sampled : 06/19/25 12:40
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Total Metals by CVAA								
Mercury	ND	0.088	mg/kg	1	B5F0770	06/20/25 12:33	EPA 7471A	
Total Metals by ICP								
Antimony	ND	2.4	mg/kg	1	B5F0887	06/25/25 15:32	EPA 6010B	
Arsenic	**4.1**	1.9	"	"	"	"	"	
Barium	**73**	0.96	"	"	"	"	"	
Beryllium	**0.52**	0.48	"	"	"	"	"	
Cadmium	ND	0.24	"	"	"	"	"	
Chromium	**15**	0.48	"	"	"	"	"	
Cobalt	**4.1**	0.48	"	"	"	"	"	
Copper	**17**	0.96	"	"	"	"	"	
Lead	**9.4**	0.48	"	"	"	"	"	
Molybdenum	**0.57**	0.48	"	"	"	"	"	
Nickel	**17**	0.48	"	"	"	"	"	
Selenium	ND	1.9	"	"	"	"	"	
Silver	ND	0.48	"	"	"	"	"	
Thallium	ND	0.96	"	"	"	"	"	
Vanadium	**21**	1.9	"	"	"	"	"	
Zinc	**37**	1.9	"	"	"	"	"	
Volatile Organic TPH by GC/FID								
TPH Gasoline (C5-C12)	ND	0.50	mg/kg	1	B5F0809	06/23/25 13:20	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		*104 %*	*(20 - 177)*		"	"	"	
Semi-Volatile Organic TPH by GC/FID								
TPH Diesel (C13-C22)	ND	10	mg/kg	1	B5F0788	06/24/25 16:24	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	
Surrogate: o-Terphenyl		*98 %*	*(46 - 151)*		"	"	"	

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Campbell Geo, Inc.
1130 Del Sol Avenue
Santa Barbara CA, 93109

Project: Sandpiper
Project Number: 7925 Hollister Ave, Goleta, CA
Project Manager: Steve Campbell

WO & Reported:
2505729
07/01/2025 11:28

Analytical Report for Samples

Sample ID : **CB-2RES**
Matrix : Solid
Lab ID : 2505729-01

Sampled : 06/19/25 12:40
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS								
Benzene	ND	0.0049	mg/kg	1	B5F0847	06/24/25 11:35	EPA 8260B	
Bromobenzene	ND	0.0049	"	"	"	"	"	
Bromochloromethane	ND	0.0049	"	"	"	"	"	
Bromodichloromethane	ND	0.0049	"	"	"	"	"	
Bromoform	ND	0.0049	"	"	"	"	"	
Bromomethane	ND	0.0049	"	"	"	"	"	
n-Butylbenzene	ND	0.0049	"	"	"	"	"	
sec-Butylbenzene	ND	0.0049	"	"	"	"	"	
tert-Butylbenzene	ND	0.0049	"	"	"	"	"	
Carbon tetrachloride	ND	0.0049	"	"	"	"	"	
Chlorobenzene	ND	0.0049	"	"	"	"	"	
Chloroethane	ND	0.0049	"	"	"	"	"	
Chloroform	ND	0.0049	"	"	"	"	"	
Chloromethane	ND	0.0049	"	"	"	"	"	
2-Chlorotoluene	ND	0.0049	"	"	"	"	"	
4-Chlorotoluene	ND	0.0049	"	"	"	"	"	
Dibromochloromethane	ND	0.0049	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0049	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0049	"	"	"	"	"	
Dibromomethane	ND	0.0049	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0049	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0049	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0049	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0049	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0049	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0049	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0049	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0049	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0049	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0049	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0049	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0049	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0049	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0049	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0049	"	"	"	"	"	
Ethylbenzene	ND	0.0049	"	"	"	"	"	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
1130 Del Sol Avenue	Project Number: 7925 Hollister Ave, Goleta, CA	2505729
Santa Barbara CA, 93109	Project Manager: Steve Campbell	07/01/2025 11:28

Analytical Report for Samples

Sample ID : **CB-2RES**
Matrix : Solid
Lab ID : 2505729-01

Sampled : 06/19/25 12:40
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS (Continued)								
Hexachlorobutadiene	ND	0.0049	mg/kg	1	B5F0847	06/24/25 11:35	EPA 8260B	
4-Isopropyl Toluene	ND	0.0049	"	"	"	"	"	
Isopropylbenzene	ND	0.0049	"	"	"	"	"	
Methylene chloride	ND	0.0049	"	"	"	"	"	
Naphthalene	ND	0.0049	"	"	"	"	"	
n-Propylbenzene	ND	0.0049	"	"	"	"	"	
Styrene	ND	0.0049	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0049	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0049	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0049	"	"	"	"	"	
Toluene	ND	0.0049	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0049	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0049	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0049	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0049	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0049	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0049	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0049	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0049	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0049	"	"	"	"	"	
Vinyl chloride	ND	0.0049	"	"	"	"	"	
Xylenes (total)	ND	0.0049	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*	*(80 - 117)*		"	"	"	
Surrogate: Toluene-d8		*95 %*	*(71 - 125)*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*98 %*	*(75 - 118)*		"	"	"	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
1130 Del Sol Avenue	Project Number: 7925 Hollister Ave, Goleta, CA	2505729
Santa Barbara CA, 93109	Project Manager: Steve Campbell	07/01/2025 11:28

Analytical Report for Samples

Sample ID : **Waste Drum**
Matrix : Solid
Lab ID : 2505729-02

Sampled : 06/19/25 13:00
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Total Metals by CVAA								
Mercury	ND	0.092	mg/kg	1	B5F0770	06/20/25 12:36	EPA 7471A	
Total Metals by ICP								
Antimony	ND	2.5	mg/kg	1	B5F0887	06/25/25 15:39	EPA 6010B	
Arsenic	**3.4**	2.0	"	"	"	"	"	
Barium	**47**	0.99	"	"	"	"	"	
Beryllium	**0.58**	0.50	"	"	"	"	"	
Cadmium	ND	0.25	"	"	"	"	"	
Chromium	**30**	0.50	"	"	"	"	"	
Cobalt	**10**	0.50	"	"	"	"	"	
Copper	**17**	0.99	"	"	"	"	"	
Lead	**7.1**	0.50	"	"	"	"	"	
Molybdenum	ND	0.50	"	"	"	"	"	
Nickel	**38**	0.50	"	"	"	"	"	
Selenium	ND	2.0	"	"	"	"	"	
Silver	ND	0.50	"	"	"	"	"	
Thallium	ND	0.99	"	"	"	"	"	
Vanadium	**36**	2.0	"	"	"	"	"	
Zinc	**41**	2.0	"	"	"	"	"	
Volatile Organic TPH by GC/FID								
TPH Gasoline (C5-C12)	ND	0.50	mg/kg	1	B5F0809	06/23/25 13:44	EPA 8015M	
Surrogate: 4-Bromofluorobenzene		*103 %*	*(20 - 177)*		"	"	"	
Semi-Volatile Organic TPH by GC/FID								
TPH Diesel (C13-C22)	ND	10	mg/kg	1	B5F0788	06/24/25 16:43	EPA 8015M	
TPH Motor Oil (C23-C40)	ND	50	"	"	"	"	"	
Surrogate: o-Terphenyl		*99 %*	*(46 - 151)*		"	"	"	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
1130 Del Sol Avenue	Project Number: 7925 Hollister Ave, Goleta, CA	2505729
Santa Barbara CA, 93109	Project Manager: Steve Campbell	07/01/2025 11:28

Analytical Report for Samples

Sample ID : **Waste Drum**
Matrix : Solid
Lab ID : 2505729-02

Sampled : 06/19/25 13:00
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS								
Benzene	ND	0.0050	mg/kg	1	B5F0847	06/24/25 12:01	EPA 8260B	
Bromobenzene	ND	0.0050	"	"	"	"	"	
Bromochloromethane	ND	0.0050	"	"	"	"	"	
Bromodichloromethane	ND	0.0050	"	"	"	"	"	
Bromoform	ND	0.0050	"	"	"	"	"	
Bromomethane	ND	0.0050	"	"	"	"	"	
n-Butylbenzene	ND	0.0050	"	"	"	"	"	
sec-Butylbenzene	ND	0.0050	"	"	"	"	"	
tert-Butylbenzene	ND	0.0050	"	"	"	"	"	
Carbon tetrachloride	ND	0.0050	"	"	"	"	"	
Chlorobenzene	ND	0.0050	"	"	"	"	"	
Chloroethane	ND	0.0050	"	"	"	"	"	
Chloroform	ND	0.0050	"	"	"	"	"	
Chloromethane	ND	0.0050	"	"	"	"	"	
2-Chlorotoluene	ND	0.0050	"	"	"	"	"	
4-Chlorotoluene	ND	0.0050	"	"	"	"	"	
Dibromochloromethane	ND	0.0050	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0050	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.0050	"	"	"	"	"	
Dibromomethane	ND	0.0050	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0050	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0050	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0050	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0050	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0050	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0050	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0050	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0050	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
1130 Del Sol Avenue	Project Number: 7925 Hollister Ave, Goleta, CA	2505729
Santa Barbara CA, 93109	Project Manager: Steve Campbell	07/01/2025 11:28

Analytical Report for Samples

Sample ID : **Waste Drum**
Matrix : Solid
Lab ID : 2505729-02

Sampled : 06/19/25 13:00
Sampled by : S. Campbell
Field Data : NA

Analyte	Result	RL	Units	Dilution	Batch	Analyzed	Method	Notes
Volatile Organic Compounds by GC/MS (Continued)								
Hexachlorobutadiene	ND	0.0050	mg/kg	1	B5F0847	06/24/25 12:01	EPA 8260B	
4-Isopropyl Toluene	ND	0.0050	"	"	"	"	"	
Isopropylbenzene	ND	0.0050	"	"	"	"	"	
Methylene chloride	ND	0.0050	"	"	"	"	"	
Naphthalene	ND	0.0050	"	"	"	"	"	
n-Propylbenzene	ND	0.0050	"	"	"	"	"	
Styrene	ND	0.0050	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0050	"	"	"	"	"	
Tetrachloroethene (PCE)	ND	0.0050	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0050	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0050	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0050	"	"	"	"	"	
Trichloroethene (TCE)	ND	0.0050	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0050	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0050	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0050	"	"	"	"	"	
Vinyl chloride	ND	0.0050	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*	*(80 - 117)*		"	"	"	
Surrogate: Toluene-d8		*94 %*	*(71 - 125)*		"	"	"	
Surrogate: 4-Bromofluorobenzene		*98 %*	*(75 - 118)*		"	"	"	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
1130 Del Sol Avenue	Project Number: 7925 Hollister Ave, Goleta, CA	2505729
Santa Barbara CA, 93109	Project Manager: Steve Campbell	07/01/2025 11:28

Total Metals by CVAA - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5F0770 - EPA 7471A Preparation: EPA 7471A Prep 06/20/25 07:33										
Blank (B5F0770-BLK1)			Analyzed: 06/20/25 11:53							
Mercury	ND	0.10	mg/kg							
LCS (B5F0770-BS1)			Analyzed: 06/20/25 11:55							
Mercury	0.803	0.10	mg/kg	0.833		96	85-115			
LCS Dup (B5F0770-BSD1)			Analyzed: 06/20/25 11:58							
Mercury	0.797	0.10	mg/kg	0.833		96	85-115	0.8	20	
Duplicate (B5F0770-DUP1)	**Source: 2505622-20**		Analyzed: 06/20/25 12:12							
Mercury	ND	0.088	mg/kg		ND				20	
Matrix Spike (B5F0770-MS1)	**Source: 2505622-20**		Analyzed: 06/20/25 12:01							
Mercury	0.696	0.088	mg/kg	0.733	ND	95	75-125			
Matrix Spike Dup (B5F0770-MSD1)	**Source: 2505622-20**		Analyzed: 06/20/25 12:04							
Mercury	0.693	0.087	mg/kg	0.727	ND	95	75-125	0.5	20	
Post Spike (B5F0770-PS1)	**Source: 2505622-20**		Analyzed: 06/20/25 12:07							
Mercury	4.64		ug/L	5.00	0.0239	92	85-115			

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
1130 Del Sol Avenue	Project Number: 7925 Hollister Ave, Goleta, CA	2505729
Santa Barbara CA, 93109	Project Manager: Steve Campbell	07/01/2025 11:28

Total Metals by ICP - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5F0887 - EPA 6010B Preparation: EPA 3050B 06/24/25 12:58										
Blank (B5F0887-BLK1) Analyzed: 06/25/25 15:13										
Antimony	ND	2.5	mg/kg							
Arsenic	ND	2.0	"							
Barium	ND	1.0	"							
Beryllium	ND	0.50	"							
Cadmium	ND	0.25	"							
Chromium	ND	0.50	"							
Cobalt	ND	0.50	"							
Copper	ND	1.0	"							
Lead	ND	0.50	"							
Molybdenum	ND	0.50	"							
Nickel	ND	0.50	"							
Selenium	ND	2.0	"							
Silver	ND	0.50	"							
Thallium	ND	1.0	"							
Vanadium	ND	2.0	"							
Zinc	ND	2.0	"							
LCS (B5F0887-BS1) Analyzed: 06/25/25 15:17										
Antimony	98.7	2.5	mg/kg	100		99	80-120			
Arsenic	101	2.0	"	100		101	80-120			
Barium	105	1.0	"	100		105	80-120			
Beryllium	105	0.50	"	100		105	80-120			
Cadmium	107	0.25	"	100		107	80-120			
Chromium	106	0.50	"	100		106	80-120			
Cobalt	107	0.50	"	100		107	80-120			
Copper	105	1.0	"	100		105	80-120			
Lead	106	0.50	"	100		106	80-120			
Molybdenum	104	0.50	"	100		104	80-120			
Nickel	107	0.50	"	100		107	80-120			
Selenium	100	2.0	"	100		100	80-120			
Silver	5.01	0.50	"	5.00		100	80-120			
Thallium	108	1.0	"	100		108	80-120			
Vanadium	104	2.0	"	100		104	80-120			
Zinc	107	2.0	"	100		107	80-120			

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
1130 Del Sol Avenue	Project Number: 7925 Hollister Ave, Goleta, CA	2505729
Santa Barbara CA, 93109	Project Manager: Steve Campbell	07/01/2025 11:28

Total Metals by ICP - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5F0887 - EPA 6010B Preparation: EPA 3050B 06/24/25 12:58										
LCS Dup (B5F0887-BSD1)			Analyzed: 06/25/25 15:19							
Antimony	97.4	2.5	mg/kg	100		97	80-120	1	20	
Arsenic	190	2.0	"	200		95	80-120	61	20	QR-04
Barium	195	1.0	"	200		98	80-120	60	20	QR-04
Beryllium	196	0.50	"	200		98	80-120	60	20	QR-04
Cadmium	196	0.25	"	200		98	80-120	59	20	QR-04
Chromium	196	0.50	"	200		98	80-120	60	20	QR-04
Cobalt	196	0.50	"	200		98	80-120	59	20	QR-04
Copper	193	1.0	"	200		97	80-120	59	20	QR-04
Lead	196	0.50	"	200		98	80-120	59	20	QR-04
Molybdenum	102	0.50	"	100		102	80-120	1	20	
Nickel	196	0.50	"	200		98	80-120	59	20	QR-04
Selenium	187	2.0	"	200		93	80-120	60	20	QR-04
Silver	9.44	0.50	"	10.0		94	80-120	61	20	QR-04
Thallium	200	1.0	"	200		100	80-120	60	20	QR-04
Vanadium	194	2.0	"	200		97	80-120	61	20	QR-04
Zinc	196	2.0	"	200		98	80-120	59	20	QR-04
Duplicate (B5F0887-DUP1)	**Source: 2505729-01**		Analyzed: 06/25/25 15:30							
Antimony	ND	2.5	mg/kg		0.985				20	
Arsenic	4.35	2.0	"		4.07			7	20	
Barium	68.0	0.98	"		73.4			8	20	
Beryllium	0.599	0.49	"		0.517			15	20	
Cadmium	0.193	0.25	"		0.216			11	20	
Chromium	16.3	0.49	"		14.9			8	20	
Cobalt	4.18	0.49	"		4.08			2	20	
Copper	18.8	0.98	"		17.3			9	20	
Lead	9.71	0.49	"		9.39			3	20	
Molybdenum	0.591	0.49	"		0.573			3	20	
Nickel	19.0	0.49	"		17.5			8	20	
Selenium	ND	2.0	"		ND				20	
Silver	ND	0.49	"		ND				20	
Thallium	ND	0.98	"		ND				20	
Vanadium	22.3	2.0	"		21.3			5	20	
Zinc	40.6	2.0	"		37.0			9	20	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
1130 Del Sol Avenue	Project Number: 7925 Hollister Ave, Goleta, CA	2505729
Santa Barbara CA, 93109	Project Manager: Steve Campbell	07/01/2025 11:28

Total Metals by ICP - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5F0887 - EPA 6010B Preparation: EPA 3050B 06/24/25 12:58										
Matrix Spike (B5F0887-MS1)	**Source: 2505729-01**		Analyzed: 06/25/25 15:21							
Antimony	23.3	2.5	mg/kg	99.4	ND	23	10-109			
Arsenic	87.2	2.0	"	99.4	4.07	84	78-120			
Barium	169	0.99	"	99.4	73.4	96	51-154			
Beryllium	92.3	0.50	"	99.4	0.517	92	84-114			
Cadmium	90.7	0.25	"	99.4	0.216	91	82-112			
Chromium	106	0.50	"	99.4	14.9	91	69-138			
Cobalt	90.0	0.50	"	99.4	4.08	86	83-113			
Copper	105	0.99	"	99.4	17.3	88	82-120			
Lead	94.5	0.50	"	99.4	9.39	86	74-118			
Molybdenum	77.2	0.50	"	99.4	0.573	77	73-115			
Nickel	106	0.50	"	99.4	17.5	89	66-131			
Selenium	79.9	2.0	"	99.4	ND	80	74-116			
Silver	3.42	0.50	"	4.97	ND	69	80-117			QM-07
Thallium	63.4	0.99	"	99.4	ND	64	64-126			
Vanadium	108	2.0	"	99.4	21.3	87	77-127			
Zinc	123	2.0	"	99.4	37.0	87	70-130			
Matrix Spike Dup (B5F0887-MSD1)	**Source: 2505729-01**		Analyzed: 06/25/25 15:24							
Antimony	21.6	2.4	mg/kg	97.6	0.985	21	10-109	8	20	
Arsenic	83.3	2.0	"	97.6	4.07	81	78-120	5	20	
Barium	157	0.98	"	97.6	73.4	85	51-154	7	20	
Beryllium	88.4	0.49	"	97.6	0.517	90	84-114	4	20	
Cadmium	86.9	0.24	"	97.6	0.216	89	82-112	4	20	
Chromium	104	0.49	"	97.6	14.9	91	69-138	2	20	
Cobalt	86.8	0.49	"	97.6	4.08	85	83-113	4	20	
Copper	106	0.98	"	97.6	17.3	90	82-120	0.9	20	
Lead	93.5	0.49	"	97.6	9.39	86	74-118	1	20	
Molybdenum	76.9	0.49	"	97.6	0.573	78	73-115	0.3	20	
Nickel	104	0.49	"	97.6	17.5	89	66-131	2	20	
Selenium	76.8	2.0	"	97.6	ND	79	74-116	4	20	
Silver	3.49	0.49	"	4.88	ND	72	80-117	2	20	QM-07
Thallium	61.9	0.98	"	97.6	ND	63	64-126	3	20	QM-07
Vanadium	109	2.0	"	97.6	21.3	90	77-127	0.7	20	
Zinc	127	2.0	"	97.6	37.0	92	70-130	3	20	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
1130 Del Sol Avenue	Project Number: 7925 Hollister Ave, Goleta, CA	2505729
Santa Barbara CA, 93109	Project Manager: Steve Campbell	07/01/2025 11:28

Total Metals by ICP - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5F0887 - EPA 6010B Preparation: EPA 3050B 06/24/25 12:58										
Post Spike (B5F0887-PS1)	**Source: 2505729-01**		Analyzed: 06/25/25 15:26							
Antimony	2.18		mg/L	2.00	0.0203	108	75-125			
Arsenic	2.06		"	2.00	0.0837	99	75-125			
Barium	3.47		"	2.00	1.51	98	75-125			
Beryllium	1.98		"	2.00	0.0106	99	75-125			
Cadmium	1.98		"	2.00	0.00444	99	75-125			
Chromium	2.31		"	2.00	0.308	100	75-125			
Cobalt	2.04		"	2.00	0.0840	98	75-125			
Copper	2.37		"	2.00	0.356	101	75-125			
Lead	2.13		"	2.00	0.193	97	75-125			
Molybdenum	2.20		"	2.00	0.0118	109	75-125			
Nickel	2.33		"	2.00	0.359	98	75-125			
Selenium	1.94		"	2.00	-0.00674	97	75-125			
Silver	0.0868		"	0.100	-0.00997	87	75-125			
Thallium	1.91		"	2.00	-0.000483	96	75-125			
Vanadium	2.40		"	2.00	0.437	98	75-125			
Zinc	2.74		"	2.00	0.760	99	75-125			

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
1130 Del Sol Avenue	Project Number: 7925 Hollister Ave, Goleta, CA	2505729
Santa Barbara CA, 93109	Project Manager: Steve Campbell	07/01/2025 11:28

Volatile Organic TPH by GC/FID - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5F0809 - EPA 8015M Preparation: EPA 5035/5030B Solid GC 06/23/25 06:28										
Blank (B5F0809-BLK1)			Analyzed: 06/23/25 08:39							
TPH Gasoline (C5-C12)	ND	0.50	mg/kg							
Surrogate: 4-Bromofluorobenzene		*0.124*	"	*0.125*		*99*	*20-177*			
LCS (B5F0809-BS1)			Analyzed: 06/23/25 07:52							
TPH Gasoline (C5-C12)	0.946	0.49	mg/kg	0.986		96	69-164			
Surrogate: 4-Bromofluorobenzene		*0.124*	"	*0.123*		*100*	*20-177*			
LCS Dup (B5F0809-BSD1)			Analyzed: 06/23/25 08:16							
TPH Gasoline (C5-C12)	1.01	0.50	mg/kg	0.994		102	69-164	7	20	
Surrogate: 4-Bromofluorobenzene		*0.122*	"	*0.124*		*98*	*20-177*			
Duplicate (B5F0809-DUP1)	**Source: 2505622-18RE1**		Analyzed: 06/23/25 10:36							
TPH Gasoline (C5-C12)	ND	0.50	mg/kg		ND				20	
Surrogate: 4-Bromofluorobenzene		*0.128*	"	*0.124*		*103*	*20-177*			
Matrix Spike (B5F0809-MS1)	**Source: 2505622-16RE1**		Analyzed: 06/23/25 11:47							
TPH Gasoline (C5-C12)	0.924	0.49	mg/kg	0.986	ND	94	10-194			
Surrogate: 4-Bromofluorobenzene		*0.126*	"	*0.123*		*103*	*20-177*			
Matrix Spike Dup (B5F0809-MSD1)	**Source: 2505622-16RE1**		Analyzed: 06/23/25 12:10							
TPH Gasoline (C5-C12)	1.02	0.50	mg/kg	1.00	ND	102	10-194	10	20	
Surrogate: 4-Bromofluorobenzene		*0.131*	"	*0.125*		*105*	*20-177*			

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
1130 Del Sol Avenue	Project Number: 7925 Hollister Ave, Goleta, CA	2505729
Santa Barbara CA, 93109	Project Manager: Steve Campbell	07/01/2025 11:28

Semi-Volatile Organic TPH by GC/FID - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5F0788 - EPA 8015M Preparation: EPA 3550C 06/20/25 13:08										
Blank (B5F0788-BLK1)			Analyzed: 06/20/25 16:04							
TPH Diesel (C13-C22)	ND	10	mg/kg							
TPH Motor Oil (C23-C40)	ND	50	"							
Surrogate: o-Terphenyl		*52.4*	*"*	*50.0*		*105*	*46-151*			
LCS (B5F0788-BS1)			Analyzed: 06/20/25 15:25							
TPH Diesel (C13-C22)	447	10	mg/kg	500		89	69-117			
TPH Motor Oil (C23-C40)	460	50	"	500		92	63-134			
Surrogate: o-Terphenyl		*48.9*	*"*	*50.0*		*98*	*46-151*			
LCS Dup (B5F0788-BSD1)			Analyzed: 06/20/25 15:44							
TPH Diesel (C13-C22)	453	10	mg/kg	500		91	69-117	1	20	
TPH Motor Oil (C23-C40)	475	50	"	500		95	63-134	3	20	
Surrogate: o-Terphenyl		*48.3*	*"*	*50.0*		*97*	*46-151*			

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
1130 Del Sol Avenue	Project Number: 7925 Hollister Ave, Goleta, CA	2505729
Santa Barbara CA, 93109	Project Manager: Steve Campbell	07/01/2025 11:28

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

Batch B5F0847 - EPA 8260B Preparation: EPA 5035/5030B Solid 06/24/25 08:09

Blank (B5F0847-BLK1) Analyzed: 06/24/25 11:10

Benzene	ND	0.0050	mg/kg
Bromobenzene	ND	0.0050	"
Bromochloromethane	ND	0.0050	"
Bromodichloromethane	ND	0.0050	"
Bromoform	ND	0.0050	"
Bromomethane	ND	0.0050	"
n-Butylbenzene	ND	0.0050	"
sec-Butylbenzene	ND	0.0050	"
tert-Butylbenzene	ND	0.0050	"
Carbon tetrachloride	ND	0.0050	"
Chlorobenzene	ND	0.0050	"
Chloroethane	ND	0.0050	"
Chloroform	ND	0.0050	"
Chloromethane	ND	0.0050	"
2-Chlorotoluene	ND	0.0050	"
4-Chlorotoluene	ND	0.0050	"
Dibromochloromethane	ND	0.0050	"
1,2-Dibromo-3-chloropropane	ND	0.0050	"
1,2-Dibromoethane (EDB)	ND	0.0050	"
Dibromomethane	ND	0.0050	"
1,2-Dichlorobenzene	ND	0.0050	"
1,3-Dichlorobenzene	ND	0.0050	"
1,4-Dichlorobenzene	ND	0.0050	"
Dichlorodifluoromethane	ND	0.0050	"
1,1-Dichloroethane	ND	0.0050	"
1,2-Dichloroethane	ND	0.0050	"
1,1-Dichloroethene	ND	0.0050	"
cis-1,2-Dichloroethene	ND	0.0050	"
trans-1,2-Dichloroethene	ND	0.0050	"
1,2-Dichloropropane	ND	0.0050	"
1,3-Dichloropropane	ND	0.0050	"
2,2-Dichloropropane	ND	0.0050	"
1,1-Dichloropropene	ND	0.0050	"
cis-1,3-Dichloropropene	ND	0.0050	"
trans-1,3-Dichloropropene	ND	0.0050	"
Ethylbenzene	ND	0.0050	"
Hexachlorobutadiene	ND	0.0050	"
4-Isopropyl Toluene	ND	0.0050	"
Isopropylbenzene	ND	0.0050	"
Methylene chloride	ND	0.0050	"
Naphthalene	ND	0.0050	"
n-Propylbenzene	ND	0.0050	"

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
1130 Del Sol Avenue	Project Number: 7925 Hollister Ave, Goleta, CA	2505729
Santa Barbara CA, 93109	Project Manager: Steve Campbell	07/01/2025 11:28

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5F0847 - EPA 8260B Preparation: EPA 5035/5030B Solid 06/24/25 08:09										
Blank (B5F0847-BLK1) Analyzed: 06/24/25 11:10										
Styrene	ND	0.0050	mg/kg							
1,1,1,2-Tetrachloroethane	ND	0.0050	"							
1,1,2,2-Tetrachloroethane	ND	0.0050	"							
Tetrachloroethene (PCE)	ND	0.0050	"							
Toluene	ND	0.0050	"							
1,2,3-Trichlorobenzene	ND	0.0050	"							
1,2,4-Trichlorobenzene	ND	0.0050	"							
1,1,1-Trichloroethane	ND	0.0050	"							
1,1,2-Trichloroethane	ND	0.0050	"							
Trichloroethene (TCE)	ND	0.0050	"							
Trichlorofluoromethane	ND	0.0050	"							
1,2,3-Trichloropropane	ND	0.0050	"							
1,2,4-Trimethylbenzene	ND	0.0050	"							
1,3,5-Trimethylbenzene	ND	0.0050	"							
Vinyl chloride	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Surrogate: Dibromofluoromethane		*0.0512*	"	*0.0500*		*102*	*80-117*			
Surrogate: Toluene-d8		*0.0517*	"	*0.0500*		*103*	*71-125*			
Surrogate: 4-Bromofluorobenzene		*0.0497*	"	*0.0500*		*99*	*75-118*			
LCS (B5F0847-BS1) Analyzed: 06/24/25 09:54										
Benzene	0.0448	0.0050	mg/kg	0.0400		112	74-139			
Bromobenzene	0.0416	0.0050	"	0.0400		104	70-149			
Bromochloromethane	0.0439	0.0050	"	0.0400		110	72-138			
Bromodichloromethane	0.0416	0.0050	"	0.0400		104	49-135			
Bromoform	0.0391	0.0050	"	0.0400		98	49-141			
Bromomethane	0.0442	0.0050	"	0.0400		110	10-155			
n-Butylbenzene	0.0582	0.0050	"	0.0400		146	68-201			
sec-Butylbenzene	0.0599	0.0050	"	0.0400		150	76-195			
tert-Butylbenzene	0.0499	0.0050	"	0.0400		125	70-178			
Carbon tetrachloride	0.0478	0.0050	"	0.0400		120	58-155			
Chlorobenzene	0.0436	0.0050	"	0.0400		109	76-142			
Chloroethane	0.0481	0.0050	"	0.0400		120	31-142			
Chloroform	0.0450	0.0050	"	0.0400		113	70-137			
Chloromethane	0.0421	0.0050	"	0.0400		105	26-170			
2-Chlorotoluene	0.0453	0.0050	"	0.0400		113	62-165			
4-Chlorotoluene	0.0462	0.0050	"	0.0400		116	71-147			
Dibromochloromethane	0.0406	0.0050	"	0.0400		101	57-129			
1,2-Dibromo-3-chloropropane	0.0394	0.0050	"	0.0400		99	36-139			
1,2-Dibromoethane (EDB)	0.0443	0.0050	"	0.0400		111	70-129			
Dibromomethane	0.0429	0.0050	"	0.0400		107	65-137			
1,2-Dichlorobenzene	0.0460	0.0050	"	0.0400		115	60-166			

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
1130 Del Sol Avenue	Project Number: 7925 Hollister Ave, Goleta, CA	2505729
Santa Barbara CA, 93109	Project Manager: Steve Campbell	07/01/2025 11:28

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5F0847 - EPA 8260B Preparation: EPA 5035/5030B Solid 06/24/25 08:09										
LCS (B5F0847-BS1)			Analyzed: 06/24/25 09:54							
1,3-Dichlorobenzene	0.0464	0.0050	mg/kg	0.0400		116	72-149			
1,4-Dichlorobenzene	0.0444	0.0050	"	0.0400		111	67-145			
Dichlorodifluoromethane	0.0476	0.0050	"	0.0400		119	13-236			
1,1-Dichloroethane	0.0468	0.0050	"	0.0400		117	67-147			
1,2-Dichloroethane	0.0468	0.0050	"	0.0400		117	57-140			
1,1-Dichloroethene	0.0424	0.0050	"	0.0400		106	66-163			
cis-1,2-Dichloroethene	0.0455	0.0050	"	0.0400		114	75-137			
trans-1,2-Dichloroethene	0.0457	0.0050	"	0.0400		114	71-146			
1,2-Dichloropropane	0.0444	0.0050	"	0.0400		111	66-137			
1,3-Dichloropropane	0.0454	0.0050	"	0.0400		113	61-126			
2,2-Dichloropropane	0.0481	0.0050	"	0.0400		120	47-161			
1,1-Dichloropropene	0.0504	0.0050	"	0.0400		126	69-156			
cis-1,3-Dichloropropene	0.0454	0.0050	"	0.0400		113	51-138			
trans-1,3-Dichloropropene	0.0467	0.0050	"	0.0400		117	58-142			
Ethylbenzene	0.0454	0.0050	"	0.0400		114	78-145			
Hexachlorobutadiene	0.0656	0.0050	"	0.0400		164	69-247			
4-Isopropyl Toluene	0.0557	0.0050	"	0.0400		139	76-187			
Isopropylbenzene	0.0422	0.0050	"	0.0400		105	71-144			
Methylene chloride	0.0465	0.0050	"	0.0400		116	57-149			
Naphthalene	0.0402	0.0050	"	0.0400		100	20-184			
n-Propylbenzene	0.0480	0.0050	"	0.0400		120	71-157			
Styrene	0.0435	0.0050	"	0.0400		109	74-141			
1,1,1,2-Tetrachloroethane	0.0428	0.0050	"	0.0400		107	72-131			
1,1,2,2-Tetrachloroethane	0.0410	0.0050	"	0.0400		102	56-143			
Tetrachloroethene (PCE)	0.0466	0.0050	"	0.0400		117	72-168			
Toluene	0.0424	0.0050	"	0.0400		106	73-145			
1,2,3-Trichlorobenzene	0.0514	0.0050	"	0.0400		128	28-204			
1,2,4-Trichlorobenzene	0.0504	0.0050	"	0.0400		126	40-194			
1,1,1-Trichloroethane	0.0470	0.0050	"	0.0400		118	65-154			
1,1,2-Trichloroethane	0.0440	0.0050	"	0.0400		110	64-128			
Trichloroethene (TCE)	0.0445	0.0050	"	0.0400		111	63-156			
Trichlorofluoromethane	0.0518	0.0050	"	0.0400		130	48-175			
1,2,3-Trichloropropane	0.0406	0.0050	"	0.0400		101	61-136			
1,2,4-Trimethylbenzene	0.0448	0.0050	"	0.0400		112	65-171			
1,3,5-Trimethylbenzene	0.0468	0.0050	"	0.0400		117	64-168			
Vinyl chloride	0.0426	0.0050	"	0.0400		106	36-168			
Xylenes (total)	0.133	0.0050	"	0.120		111	76-144			
Surrogate: Dibromofluoromethane		*0.0514*	"	*0.0500*		*103*	*80-117*			
Surrogate: Toluene-d8		*0.0512*	"	*0.0500*		*102*	*71-125*			
Surrogate: 4-Bromofluorobenzene		*0.0473*	"	*0.0500*		*95*	*75-118*			

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1130 Del Sol Avenue	Project Number: 7925 Hollister Ave, Goleta, CA	2505729
Santa Barbara CA, 93109	Project Manager: Steve Campbell	07/01/2025 11:28

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5F0847 - EPA 8260B Preparation: EPA 5035/5030B Solid 06/24/25 08:09										
LCS Dup (B5F0847-BSD1)			Analyzed: 06/24/25 10:19							
Benzene	0.0446	0.0050	mg/kg	0.0397		112	74-139	0.4	20	
Bromobenzene	0.0440	0.0050	"	0.0397		111	70-149	6	20	
Bromochloromethane	0.0451	0.0050	"	0.0397		114	72-138	3	20	
Bromodichloromethane	0.0435	0.0050	"	0.0397		110	49-135	4	20	
Bromoform	0.0413	0.0050	"	0.0397		104	49-141	5	20	
Bromomethane	0.0457	0.0050	"	0.0397		115	10-155	3	20	
n-Butylbenzene	0.0600	0.0050	"	0.0397		151	68-201	3	20	
sec-Butylbenzene	0.0617	0.0050	"	0.0397		156	76-195	3	20	
tert-Butylbenzene	0.0522	0.0050	"	0.0397		132	70-178	5	20	
Carbon tetrachloride	0.0483	0.0050	"	0.0397		122	58-155	1	20	
Chlorobenzene	0.0451	0.0050	"	0.0397		114	76-142	3	20	
Chloroethane	0.0526	0.0050	"	0.0397		133	31-142	9	20	
Chloroform	0.0453	0.0050	"	0.0397		114	70-137	0.5	20	
Chloromethane	0.0415	0.0050	"	0.0397		105	26-170	1	20	
2-Chlorotoluene	0.0471	0.0050	"	0.0397		119	62-165	4	20	
4-Chlorotoluene	0.0481	0.0050	"	0.0397		121	71-147	4	20	
Dibromochloromethane	0.0402	0.0050	"	0.0397		101	57-129	0.9	20	
1,2-Dibromo-3-chloropropane	0.0432	0.0050	"	0.0397		109	36-139	9	20	
1,2-Dibromoethane (EDB)	0.0435	0.0050	"	0.0397		110	70-129	2	20	
Dibromomethane	0.0446	0.0050	"	0.0397		112	65-137	4	20	
1,2-Dichlorobenzene	0.0474	0.0050	"	0.0397		120	60-166	3	20	
1,3-Dichlorobenzene	0.0472	0.0050	"	0.0397		119	72-149	2	20	
1,4-Dichlorobenzene	0.0456	0.0050	"	0.0397		115	67-145	3	20	
Dichlorodifluoromethane	0.0472	0.0050	"	0.0397		119	13-236	0.8	20	
1,1-Dichloroethane	0.0459	0.0050	"	0.0397		116	67-147	2	20	
1,2-Dichloroethane	0.0460	0.0050	"	0.0397		116	57-140	2	20	
1,1-Dichloroethene	0.0425	0.0050	"	0.0397		107	66-163	0.3	20	
cis-1,2-Dichloroethene	0.0458	0.0050	"	0.0397		115	75-137	0.7	20	
trans-1,2-Dichloroethene	0.0461	0.0050	"	0.0397		116	71-146	0.9	20	
1,2-Dichloropropane	0.0465	0.0050	"	0.0397		117	66-137	5	20	
1,3-Dichloropropane	0.0440	0.0050	"	0.0397		111	61-126	3	20	
2,2-Dichloropropane	0.0481	0.0050	"	0.0397		121	47-161	0.1	20	
1,1-Dichloropropene	0.0500	0.0050	"	0.0397		126	69-156	1	20	
cis-1,3-Dichloropropene	0.0471	0.0050	"	0.0397		119	51-138	4	20	
trans-1,3-Dichloropropene	0.0452	0.0050	"	0.0397		114	58-142	3	20	
Ethylbenzene	0.0459	0.0050	"	0.0397		116	78-145	1	20	
Hexachlorobutadiene	0.0663	0.0050	"	0.0397		167	69-247	1	20	
4-Isopropyl Toluene	0.0569	0.0050	"	0.0397		143	76-187	2	20	
Isopropylbenzene	0.0446	0.0050	"	0.0397		112	71-144	6	20	
Methylene chloride	0.0454	0.0050	"	0.0397		114	57-149	2	20	
Naphthalene	0.0435	0.0050	"	0.0397		110	20-184	8	20	
n-Propylbenzene	0.0501	0.0050	"	0.0397		126	71-157	4	20	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
1130 Del Sol Avenue	Project Number: 7925 Hollister Ave, Goleta, CA	2505729
Santa Barbara CA, 93109	Project Manager: Steve Campbell	07/01/2025 11:28

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5F0847 - EPA 8260B Preparation: EPA 5035/5030B Solid 06/24/25 08:09										
LCS Dup (B5F0847-BSD1)			Analyzed: 06/24/25 10:19							
Styrene	0.0459	0.0050	mg/kg	0.0397		116	74-141	5	20	
1,1,1,2-Tetrachloroethane	0.0440	0.0050	"	0.0397		111	72-131	3	20	
1,1,2,2-Tetrachloroethane	0.0425	0.0050	"	0.0397		107	56-143	4	20	
Tetrachloroethene (PCE)	0.0469	0.0050	"	0.0397		118	72-168	0.7	20	
Toluene	0.0429	0.0050	"	0.0397		108	73-145	1	20	
1,2,3-Trichlorobenzene	0.0537	0.0050	"	0.0397		135	28-204	4	20	
1,2,4-Trichlorobenzene	0.0520	0.0050	"	0.0397		131	40-194	3	20	
1,1,1-Trichloroethane	0.0475	0.0050	"	0.0397		120	65-154	1	20	
1,1,2-Trichloroethane	0.0431	0.0050	"	0.0397		108	64-128	2	20	
Trichloroethene (TCE)	0.0465	0.0050	"	0.0397		117	63-156	4	20	
Trichlorofluoromethane	0.0520	0.0050	"	0.0397		131	48-175	0.4	20	
1,2,3-Trichloropropane	0.0432	0.0050	"	0.0397		109	61-136	6	20	
1,2,4-Trimethylbenzene	0.0460	0.0050	"	0.0397		116	65-171	3	20	
1,3,5-Trimethylbenzene	0.0485	0.0050	"	0.0397		122	64-168	4	20	
Vinyl chloride	0.0427	0.0050	"	0.0397		108	36-168	0.4	20	
Xylenes (total)	0.137	0.0050	"	0.119		115	76-144	3	20	
Surrogate: Dibromofluoromethane		*0.0496*	"	*0.0496*		*100*	*80-117*			
Surrogate: Toluene-d8		*0.0502*	"	*0.0496*		*101*	*71-125*			
Surrogate: 4-Bromofluorobenzene		*0.0492*	"	*0.0496*		*99*	*75-118*			
Duplicate (B5F0847-DUP1)	**Source: 2505734-03RE1**		Analyzed: 06/24/25 14:08							
Benzene	ND	0.050	mg/kg		ND				20	
Bromobenzene	ND	0.050	"		ND				20	
Bromochloromethane	ND	0.050	"		ND				20	
Bromodichloromethane	ND	0.050	"		ND				20	
Bromoform	ND	0.050	"		ND				20	
Bromomethane	ND	0.050	"		ND				20	
n-Butylbenzene	ND	0.050	"		ND				20	
sec-Butylbenzene	ND	0.050	"		ND				20	
tert-Butylbenzene	ND	0.050	"		ND				20	
Carbon tetrachloride	ND	0.050	"		ND				20	
Chlorobenzene	ND	0.050	"		ND				20	
Chloroethane	ND	0.050	"		ND				20	
Chloroform	ND	0.050	"		ND				20	
Chloromethane	ND	0.050	"		ND				20	
2-Chlorotoluene	ND	0.050	"		ND				20	
4-Chlorotoluene	ND	0.050	"		ND				20	
Dibromochloromethane	ND	0.050	"		ND				20	
1,2-Dibromo-3-chloropropane	ND	0.050	"		ND				20	
1,2-Dibromoethane (EDB)	ND	0.050	"		ND				20	
Dibromomethane	ND	0.050	"		ND				20	
1,2-Dichlorobenzene	ND	0.050	"		ND				20	

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
1130 Del Sol Avenue	Project Number: 7925 Hollister Ave, Goleta, CA	2505729
Santa Barbara CA, 93109	Project Manager: Steve Campbell	07/01/2025 11:28

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5F0847 - EPA 8260B Preparation: EPA 5035/5030B Solid 06/24/25 08:09										
Duplicate (B5F0847-DUP1) **Source: 2505734-03RE1** Analyzed: 06/24/25 14:08										
1,3-Dichlorobenzene	ND	0.050	mg/kg		ND				20	
1,4-Dichlorobenzene	ND	0.050	"		ND				20	
Dichlorodifluoromethane	ND	0.050	"		ND				20	
1,1-Dichloroethane	ND	0.050	"		ND				20	
1,2-Dichloroethane	ND	0.050	"		ND				20	
1,1-Dichloroethene	ND	0.050	"		ND				20	
cis-1,2-Dichloroethene	ND	0.050	"		ND				20	
trans-1,2-Dichloroethene	ND	0.050	"		ND				20	
1,2-Dichloropropane	ND	0.050	"		ND				20	
1,3-Dichloropropane	ND	0.050	"		ND				20	
2,2-Dichloropropane	ND	0.050	"		ND				20	
1,1-Dichloropropene	ND	0.050	"		ND				20	
cis-1,3-Dichloropropene	ND	0.050	"		ND				20	
trans-1,3-Dichloropropene	ND	0.050	"		ND				20	
Ethylbenzene	ND	0.050	"		ND				20	
Hexachlorobutadiene	ND	0.050	"		ND				20	
4-Isopropyl Toluene	ND	0.050	"		ND				20	
Isopropylbenzene	ND	0.050	"		ND				20	
Methylene chloride	ND	0.050	"		ND				20	
Naphthalene	1.29	0.050	"		1.17			10	20	
n-Propylbenzene	ND	0.050	"		ND				20	
Styrene	ND	0.050	"		ND				20	
1,1,1,2-Tetrachloroethane	ND	0.050	"		ND				20	
1,1,2,2-Tetrachloroethane	ND	0.050	"		ND				20	
Tetrachloroethene (PCE)	ND	0.050	"		ND				20	
Toluene	ND	0.050	"		ND				20	
1,2,3-Trichlorobenzene	ND	0.050	"		ND				20	
1,2,4-Trichlorobenzene	ND	0.050	"		ND				20	
1,1,1-Trichloroethane	ND	0.050	"		ND				20	
1,1,2-Trichloroethane	ND	0.050	"		ND				20	
Trichloroethene (TCE)	ND	0.050	"		ND				20	
Trichlorofluoromethane	ND	0.050	"		ND				20	
1,2,3-Trichloropropane	ND	0.050	"		ND				20	
1,2,4-Trimethylbenzene	0.0724	0.050	"		0.0632			14	20	
1,3,5-Trimethylbenzene	ND	0.050	"		ND				20	
Vinyl chloride	ND	0.050	"		ND				20	
Xylenes (total)	0.0476	0.050	"		0.0544			13	20	
Surrogate: Dibromofluoromethane		*0.495*	*"*	*0.500*		*99*	*80-117*			
Surrogate: Toluene-d8		*0.494*	*"*	*0.500*		*99*	*71-125*			
Surrogate: 4-Bromofluorobenzene		*0.475*	*"*	*0.500*		*95*	*75-118*			

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
1130 Del Sol Avenue	Project Number: 7925 Hollister Ave, Goleta, CA	2505729
Santa Barbara CA, 93109	Project Manager: Steve Campbell	07/01/2025 11:28

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5F0847 - EPA 8260B Preparation: EPA 5035/5030B Solid 06/24/25 08:09										
Matrix Spike (B5F0847-MS1) **Source: 2505734-02RE1** Analyzed: 06/24/25 14:33										
Benzene	0.0595	0.0099	mg/kg	0.0794	ND	75	49-144			
Bromobenzene	0.0367	0.0099	"	0.0794	ND	46	32-153			
Bromochloromethane	0.0708	0.0099	"	0.0794	ND	89	56-143			
Bromodichloromethane	0.0549	0.0099	"	0.0794	ND	69	32-142			
Bromoform	0.0544	0.0099	"	0.0794	ND	68	28-148			
Bromomethane	0.0848	0.0099	"	0.0794	ND	107	17-140			
n-Butylbenzene	0.0432	0.0099	"	0.0794	ND	54	10-202			
sec-Butylbenzene	0.0505	0.0099	"	0.0794	ND	64	10-200			
tert-Butylbenzene	0.0434	0.0099	"	0.0794	ND	55	13-180			
Carbon tetrachloride	0.0548	0.0099	"	0.0794	ND	69	30-161			
Chlorobenzene	0.0442	0.0099	"	0.0794	ND	56	37-151			
Chloroethane	0.0816	0.0099	"	0.0794	ND	103	28-144			
Chloroform	0.0636	0.0099	"	0.0794	ND	80	48-143			
Chloromethane	0.0816	0.0099	"	0.0794	ND	103	19-158			
2-Chlorotoluene	0.0407	0.0099	"	0.0794	ND	51	16-164			
4-Chlorotoluene	0.0417	0.0099	"	0.0794	ND	52	19-153			
Dibromochloromethane	0.0502	0.0099	"	0.0794	ND	63	37-139			
1,2-Dibromo-3-chloropropane	0.0529	0.0099	"	0.0794	ND	67	11-152			
1,2-Dibromoethane (EDB)	0.0585	0.0099	"	0.0794	ND	74	46-136			
Dibromomethane	0.0655	0.0099	"	0.0794	ND	82	49-140			
1,2-Dichlorobenzene	0.0361	0.0099	"	0.0794	ND	46	18-163			
1,3-Dichlorobenzene	0.0367	0.0099	"	0.0794	ND	46	18-154			
1,4-Dichlorobenzene	0.0355	0.0099	"	0.0794	ND	45	17-148			
Dichlorodifluoromethane	0.0546	0.0099	"	0.0794	ND	69	10-222			
1,1-Dichloroethane	0.0689	0.0099	"	0.0794	ND	87	49-148			
1,2-Dichloroethane	0.0728	0.0099	"	0.0794	ND	92	43-141			
1,1-Dichloroethene	0.0585	0.0099	"	0.0794	ND	74	45-164			
cis-1,2-Dichloroethene	0.0666	0.0099	"	0.0794	ND	84	53-142			
trans-1,2-Dichloroethene	0.0640	0.0099	"	0.0794	ND	81	47-150			
1,2-Dichloropropane	0.0613	0.0099	"	0.0794	ND	77	43-142			
1,3-Dichloropropane	0.0617	0.0099	"	0.0794	ND	78	42-133			
2,2-Dichloropropane	0.0625	0.0099	"	0.0794	ND	79	27-149			
1,1-Dichloropropene	0.0575	0.0099	"	0.0794	ND	72	37-160			
cis-1,3-Dichloropropene	0.0591	0.0099	"	0.0794	ND	74	31-136			
trans-1,3-Dichloropropene	0.0603	0.0099	"	0.0794	ND	76	34-146			
Ethylbenzene	0.0432	0.0099	"	0.0794	ND	54	33-156			
Hexachlorobutadiene	0.0356	0.0099	"	0.0794	ND	45	10-232			
4-Isopropyl Toluene	0.0441	0.0099	"	0.0794	ND	56	10-190			
Isopropylbenzene	0.0369	0.0099	"	0.0794	ND	46	20-156			
Methylene chloride	0.0772	0.0099	"	0.0794	ND	97	43-151			
Naphthalene	0.0433	0.0099	"	0.0794	ND	54	10-182			
n-Propylbenzene	0.0438	0.0099	"	0.0794	ND	55	12-166			

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1130 Del Sol Avenue	Project Number: 7925 Hollister Ave, Goleta, CA	2505729
Santa Barbara CA, 93109	Project Manager: Steve Campbell	07/01/2025 11:28

Volatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B5F0847 - EPA 8260B Preparation: EPA 5035/5030B Solid 06/24/25 08:09										
Matrix Spike (B5F0847-MS1) **Source: 2505734-02RE1** Analyzed: 06/24/25 14:33										
Styrene	0.0408	0.0099	mg/kg	0.0794	ND	51	29-155			
1,1,1,2-Tetrachloroethane	0.0463	0.0099	"	0.0794	ND	58	42-143			
1,1,2,2-Tetrachloroethane	0.0586	0.0099	"	0.0794	ND	74	26-153			
Tetrachloroethene (PCE)	0.0444	0.0099	"	0.0794	ND	56	29-169			
Toluene	0.0494	0.0099	"	0.0794	ND	62	40-152			
1,2,3-Trichlorobenzene	0.0261	0.0099	"	0.0794	ND	33	10-180			
1,2,4-Trichlorobenzene	0.0260	0.0099	"	0.0794	ND	33	10-172			
1,1,1-Trichloroethane	0.0574	0.0099	"	0.0794	ND	72	42-157			
1,1,2-Trichloroethane	0.0613	0.0099	"	0.0794	ND	77	37-147			
Trichloroethene (TCE)	0.0513	0.0099	"	0.0794	ND	65	32-166			
Trichlorofluoromethane	0.0647	0.0099	"	0.0794	ND	82	33-173			
1,2,3-Trichloropropane	0.0643	0.0099	"	0.0794	ND	81	37-151			
1,2,4-Trimethylbenzene	0.0392	0.0099	"	0.0794	ND	49	10-181			
1,3,5-Trimethylbenzene	0.0411	0.0099	"	0.0794	ND	52	12-172			
Vinyl chloride	0.0723	0.0099	"	0.0794	ND	91	23-165			
Xylenes (total)	0.129	0.0099	"	0.238	0.00927	50	30-156			
Surrogate: Dibromofluoromethane		*0.102*	"	*0.0992*		*103*	*80-117*			
Surrogate: Toluene-d8		*0.0971*	"	*0.0992*		*98*	*71-125*			
Surrogate: 4-Bromofluorobenzene		*0.0910*	"	*0.0992*		*92*	*75-118*			

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Campbell Geo, Inc.	Project: Sandpiper	WO & Reported:
1130 Del Sol Avenue	Project Number: 7925 Hollister Ave, Goleta, CA	2505729
Santa Barbara CA, 93109	Project Manager: Steve Campbell	07/01/2025 11:28

Sample Method Summary

Analysis	Method	Matrix	Laboratory & Certification
Semi-Volatile Organic TPH by GC/FID			
8015 Diesel & Motor Oil List	EPA 8015M	Solid	OEC, Internal
8015 Diesel & Motor Oil List	EPA 8015M	Solid	OEC, CA-ELAP,NELAP
8015 Diesel & Motor Oil List	EPA 8015M	Solid	OEC, Internal
8015 Diesel & Motor Oil List	EPA 8015M	Solid	OEC, CA-ELAP,NELAP
Total Metals by CVAA			
Mercury Total EPA 7471A	EPA 7471A	Solid	OEC, Internal
Total Metals by ICP			
6010B Total Antimony	EPA 6010B	Solid	OEC, CA-ELAP,NELAP
6010B Total Arsenic	EPA 6010B	Solid	OEC, CA-ELAP,NELAP
6010B Total Barium	EPA 6010B	Solid	OEC, CA-ELAP,NELAP
6010B Total Beryllium	EPA 6010B	Solid	OEC, CA-ELAP,NELAP
6010B Total Cadmium	EPA 6010B	Solid	OEC, CA-ELAP,NELAP
6010B Total Chromium	EPA 6010B	Solid	OEC, CA-ELAP,NELAP
6010B Total Cobalt	EPA 6010B	Solid	OEC, CA-ELAP,NELAP
6010B Total Copper	EPA 6010B	Solid	OEC, CA-ELAP,NELAP
6010B Total Lead	EPA 6010B	Solid	OEC, CA-ELAP,NELAP
6010B Total Molybdenum	EPA 6010B	Solid	OEC, CA-ELAP,NELAP
6010B Total Nickel	EPA 6010B	Solid	OEC, CA-ELAP,NELAP
6010B Total Selenium	EPA 6010B	Solid	OEC, CA-ELAP,NELAP
6010B Total Silver	EPA 6010B	Solid	OEC, CA-ELAP,NELAP
6010B Total Thallium	EPA 6010B	Solid	OEC, CA-ELAP,NELAP
6010B Total Vanadium	EPA 6010B	Solid	OEC, CA-ELAP,NELAP
6010B Total Zinc	EPA 6010B	Solid	OEC, CA-ELAP,NELAP
Volatile Organic Compounds by GC/MS			
8260B Full List	EPA 8260B	Solid	OEC, Internal 2010 Preisker Lane Ste F Santa Maria, CA 93454
8260B Full List	EPA 8260B	Solid	OEC, CA-ELAP,NELAP 2010 Preisker Lane Ste F Santa Maria, CA 93454
Volatile Organic TPH by GC/FID			
8015 TPH-Gasoline	EPA 8015M	Solid	OEC, Internal 2010 Preisker Lane Ste F Santa Maria, CA 93454

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1130 Del Sol Avenue	Project Number: 7925 Hollister Ave, Goleta, CA	2505729
Santa Barbara CA, 93109	Project Manager: Steve Campbell	07/01/2025 11:28

Notes and Definitions

Qualifier	Definition
MDL	Method Detection Limit
RL	Reporting Limit (Quantitation Limit)
ND	Analyte NOT DETECTED at or above the method limit (MDL)
RPD	Relative Percent Difference
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS and/or LCSD recovery and/or RPD values.
QR-04	The RPD exceeded the QC control limits.
TMP3	Temperature [Out-Acceptable] Direct from Field

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Sample Receipt

Work Order Review is Complete

Work Order

2505729 **Refresh**

Client Name	Temp °C	Thermometer ID	Refrigerator(s)	COC Received	Login
Campbell Geo, Inc.	15.6	2	8, VOA1	06/19/2025 15:50	06/19/2025 16:30

Recorded Corrected, Acceptable Range 0°C to 6°C (See Exception Notes Below)

Sample Transport

- [x] OECCourier/Sampler
- [ ] Delivery (Other than OEC)
- [ ] After Hours Drop Off
- [ ] Shipment Carrier Tracking#

Custody Seals: [x] None Present

Cooler(s): [ ] Present, Intact [ ] Present, Not Intact [ ] None

Sample(s): [ ] Present Intact [ ] Present, Not Intact [ ] None

Condition/Preservation

		Yes	No	N/A
[ ]	Received On Ice Within Range (Acceptable)			
[x]	Received Outside Range(Acceptable)			
[x]	Direct from Field on Ice			
[ ]	Ambient: Air or Filter Matrix			
[ ]	Received Ambient, Placed on Ice			
[ ]	Sample Temperature Accetable for Analysis			
[ ]	Received Outside Range [Exception]*			
[ ]	Insufficient Ice or Unknown			
[ ]	Excessive Free Liquid			
	Completed COCs Received with Sample(s)	[x]	[ ]	
	Correct Container(s) Preserve for Analysis	[x]	[ ]	
	Container(s) Intact and Good Condition	[x]	[ ]	
	Container Label(s) Consistent with COC	[x]	[ ]	
	OEC Preservation Added**	[ ]	[x]	
	Sample Quantity Sufficent	[x]	[ ]	

Containers, COC Changes, And/Or Corrections

Cotaniner ID (COC)	Container Description	Home	Matrix	Preservative	pH/Chlorine /Sulfur	Comments
01A	8oz Glass WM	Fridge 8 - Walk-In	Solid			
01B	20mL VOA	Freezer-VOA1	Solid			
02A	8oz Glass WM	Fridge 8 - Walk-In	Solid			
02B	20mL VOA	Freezer-VOA1	Solid			

Receipt Login By:
ALB-06/19/25 05:14

Receipt Reviewed By:
RKR-06/20/25 08:12

Oilfield Environmental & Compliance, Inc.

307 Roemer Way Suite 300, Santa Maria, CA 93454
Phone: (805) 922-4772 Fax: (805) 925-3376 www.oecusa.com
101 Adkisson Way, Taft, CA 93268 Phone: (661) 762-9143

OEC Work Order (Lab Use Only): 2505729

CHAIN OF CUSTODY

Rev 02/09/2021

Page 1 of 1

Company: CampBELL GEO
Address: ON file
Phone: 805-905-5003
Email: steve@campbellgeo.com
Report To:
Sampler (Print): S. Campbell

Project Name / No: Sandpiper Golf LLC
Site: 7925 Hollister Ave Goleta CA
PO #:
Comments:

Report Format(s): PDF(std) ☐ EDD ☒ EDF(i) ☒ WellSTAR(i) ☐ LTS(i) ☐
OTHER (Custom) EDD ☐
(i) EDF: Global ID/Log Code, LTS(SDWIS) PWS: T2000021104
WellSTAR Facility / API# / Entity#:

Bacteriological Sample Type: Routine ☐ Repeat ☐ Replacemen ☐ Other ☐

Requested Turnaround Time [TAT] (Surcharges apply to any TAT other than 'Standard'):
ASAP ☐ ___ 1 Day ☐ ___ 2 Day ☐ ___ 3 Day ☐ ___ 5 Day ☐ ___ Standard ☒

* A =air/vapor, P =product/oil, S =solid/sediment, Waters (DW =drinking, GW =ground, PW=produced, WW =waste)

Lab Use Only	Sampled Date & Time		Matrix*	# of Cont.	Sample ID	TPH 5-D-O	VOCs	Cam 17	Special Instructions
01	6/19/25	1240	S	1	CB-2RES	X	X	X	All requests subject to OEC Terms & Conditions
02	↓	1300	S	1	Waste Drum	X	X	X	
									15.6

Relinquished by (Signature):	Relinquished by (Print Name & Company):	Date:	Time:	Received by (Signature):	Received by (Print Name & Company):
S. Campbell	S. campbell / Campbell GEO	6/19/25	1400		Adam Shotfield OEC
	Adam Shotfield OEC	6/19/25	1550		ANNA BUDDICK OEC

JONES ENVIRONMENTAL, INC.
714-449-9937
562-646-1611
11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
WWW.JONESENV.COM

11 July 2025

Steve Campbell
Campbell Geo
327 E. Haley St.
Santa Barbara, CA 93101

Re: Sandpiper

Enclosed are the results of analyses for samples received by the laboratory on 07/01/25. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Colby Wakeman
Lab Director

JONES ENVIRONMENTAL, INC.

11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
714-449-9937 PHONE
562-646-1611 FAX

Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	07/11/25 10:28

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CB-3R-5	J252603-001	Soil Vapor	06/30/2025 10:11	07/01/2025 09:15
CB-3R-15	J252603-002	Soil Vapor	06/30/2025 10:12	07/01/2025 09:15
CB-3R-15-REP	J252603-003	Soil Vapor	06/30/2025 10:18	07/01/2025 09:15
CB-1R-5	J252603-004	Soil Vapor	06/30/2025 10:36	07/01/2025 09:15
CB-1R-15	J252603-005	Soil Vapor	06/30/2025 10:37	07/01/2025 09:15
CB-2R-5	J252603-006	Soil Vapor	06/30/2025 11:03	07/01/2025 09:15
CB-2R-15	J252603-007	Soil Vapor	06/30/2025 11:04	07/01/2025 09:15

Jones Environmental, Inc.



Colby Wakeman
Lab Director

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Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	07/11/25 10:28

DETECTIONS SUMMARY

Sample ID: CB-3R-5 **Laboratory ID:** J252603-001

No Results Detected

Sample ID: CB-3R-15 **Laboratory ID:** J252603-002

Analyte	Result	Reporting Limit	Units	Method	Notes
Chloroform	61	8	µg/m3	EPA 8260	
Freon 12	69	16	µg/m3	EPA 8260	

Sample ID: CB-3R-15-REP **Laboratory ID:** J252603-003

Analyte	Result	Reporting Limit	Units	Method	Notes
Chloroform	49	8	µg/m3	EPA 8260	
Freon 12	55	16	µg/m3	EPA 8260	

Sample ID: CB-1R-5 **Laboratory ID:** J252603-004

No Results Detected

Sample ID: CB-1R-15 **Laboratory ID:** J252603-005

Analyte	Result	Reporting Limit	Units	Method	Notes
1,2,4-Trimethylbenzene	66	8	µg/m3	EPA 8260	
1,3,5-Trimethylbenzene	34	8	µg/m3	EPA 8260	
4-Isopropyltoluene	12	8	µg/m3	EPA 8260	
Benzene	20	8	µg/m3	EPA 8260	
Ethylbenzene	26	8	µg/m3	EPA 8260	
m,p-Xylene	92	16	µg/m3	EPA 8260	
n-Propylbenzene	20	8	µg/m3	EPA 8260	
o-Xylene	27	8	µg/m3	EPA 8260	

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Colby Wakeman
Lab Director

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714-449-9937 PHONE
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Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	07/11/25 10:28

DETECTIONS SUMMARY

Sample ID: CB-1R-15 **Laboratory ID:** J252603-005

Analyte	Result	Reporting Limit	Units	Method	Notes
Tetrachloroethene	14	8	µg/m3	EPA 8260	
Toluene	38	8	µg/m3	EPA 8260	

Sample ID: CB-2R-5 **Laboratory ID:** J252603-006

Analyte	Result	Reporting Limit	Units	Method	Notes
Chloroform	9	8	µg/m3	EPA 8260	

Sample ID: CB-2R-15 **Laboratory ID:** J252603-007

Analyte	Result	Reporting Limit	Units	Method	Notes
1,2,4-Trimethylbenzene	18	8	µg/m3	EPA 8260	
Freon 12	21	16	µg/m3	EPA 8260	
m,p-Xylene	16	16	µg/m3	EPA 8260	
Toluene	9	8	µg/m3	EPA 8260	

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Lab Director

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Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	07/11/25 10:28

CB-3R-5
J252603-001(Soil Vapor)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyzed	Method	Notes
Standard ug/m3 HL by EPA 8260								
Benzene	ND	8	µg/m3	1	QC2507148	07/09/25	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"	"	"	
Bromoform	ND	8	µg/m3	"	"	"	"	
n-Butylbenzene	ND	12	µg/m3	"	"	"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"	"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"	"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"	"	"	
Chlorobenzene	ND	8	µg/m3	"	"	"	"	
Chloroform	ND	8	µg/m3	"	"	"	"	
Dibromochloromethane	ND	8	µg/m3	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"	"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
Freon 12	ND	16	µg/m3	"	"	"	"	
Freon 11	ND	16	µg/m3	"	"	"	"	
Freon 113	ND	16	µg/m3	"	"	"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"	"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"	"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"	"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"	"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"	"	"	
Ethylbenzene	ND	8	µg/m3	"	"	"	"	
Isopropylbenzene	ND	8	µg/m3	"	"	"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"	"	"	
Methylene chloride (TIC)	ND	16	µg/m3	"	"	"	"	
Naphthalene	ND	40	µg/m3	"	"	"	"	
n-Propylbenzene	ND	8	µg/m3	"	"	"	"	
Styrene	ND	8	µg/m3	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"	"	"	
Tetrachloroethene	ND	8	µg/m3	"	"	"	"	
Toluene	ND	8	µg/m3	"	"	"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"	"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"	"	"	
Trichloroethene	ND	8	µg/m3	"	"	"	"	
1,2,4-Trimethylbenzene	ND	8	µg/m3	"	"	"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"	"	"	

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Colby Wakeman
Lab Director

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Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	07/11/25 10:28

CB-3R-5
J252603-001(Soil Vapor)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyzed	Method	Notes
Standard ug/m3 HL by EPA 8260								
Vinyl chloride	ND	8	µg/m3	1	QC2507148	07/09/25	EPA 8260	
m,p-Xylene	ND	16	µg/m3	"	"	"	"	
o-Xylene	ND	8	µg/m3	"	"	"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"	"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"	"	"	
Di-isopropylether	ND	40	µg/m3	"	"	"	"	
tert-amylmethylether	ND	40	µg/m3	"	"	"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2000	µg/m3	"	"	"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"	"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"	"	"	
Acetone (LCC)	ND	80	µg/m3	"	"	"	"	
Surrogate: Toluene-d8	*94.80 %*	*60 - 140*						
Surrogate: Dibromofluoromethane	*99.16 %*	*60 - 140*						
Surrogate: 4-Bromofluorobenzene	*100.44 %*	*60 - 140*						

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Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	07/11/25 10:28

CB-3R-15
J252603-002(Soil Vapor)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyzed	Method	Notes
Standard ug/m3 HL by EPA 8260								
Benzene	ND	8	µg/m3	1	QC2507148	07/09/25	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"	"	"	
Bromoform	ND	8	µg/m3	"	"	"	"	
n-Butylbenzene	ND	12	µg/m3	"	"	"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"	"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"	"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"	"	"	
Chlorobenzene	ND	8	µg/m3	"	"	"	"	
Chloroform	61	8	µg/m3	"	"	"	"	
Dibromochloromethane	ND	8	µg/m3	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"	"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
Freon 12	69	16	µg/m3	"	"	"	"	
Freon 11	ND	16	µg/m3	"	"	"	"	
Freon 113	ND	16	µg/m3	"	"	"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"	"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"	"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"	"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"	"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"	"	"	
Ethylbenzene	ND	8	µg/m3	"	"	"	"	
Isopropylbenzene	ND	8	µg/m3	"	"	"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"	"	"	
Methylene chloride (TIC)	ND	16	µg/m3	"	"	"	"	
Naphthalene	ND	40	µg/m3	"	"	"	"	
n-Propylbenzene	ND	8	µg/m3	"	"	"	"	
Styrene	ND	8	µg/m3	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"	"	"	
Tetrachloroethene	ND	8	µg/m3	"	"	"	"	
Toluene	ND	8	µg/m3	"	"	"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"	"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"	"	"	
Trichloroethene	ND	8	µg/m3	"	"	"	"	
1,2,4-Trimethylbenzene	ND	8	µg/m3	"	"	"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"	"	"	

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Lab Director

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Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	07/11/25 10:28

CB-3R-15
J252603-002(Soil Vapor)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyzed	Method	Notes
Standard ug/m3 HL by EPA 8260								
Vinyl chloride	ND	8	µg/m3	1	QC2507148	07/09/25	EPA 8260	
m,p-Xylene	ND	16	µg/m3	"	"	"	"	
o-Xylene	ND	8	µg/m3	"	"	"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"	"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"	"	"	
Di-isopropylether	ND	40	µg/m3	"	"	"	"	
tert-amylmethylether	ND	40	µg/m3	"	"	"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2000	µg/m3	"	"	"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"	"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"	"	"	
Acetone (LCC)	ND	80	µg/m3	"	"	"	"	
Surrogate: Toluene-d8	*94.50 %*	*60 - 140*						
Surrogate: Dibromofluoromethane	*99.39 %*	*60 - 140*						
Surrogate: 4-Bromofluorobenzene	*102.60 %*	*60 - 140*						

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Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	07/11/25 10:28

CB-3R-15-REP
J252603-003(Soil Vapor)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyzed	Method	Notes
Standard ug/m3 HL by EPA 8260								
Benzene	ND	8	µg/m3	1	QC2507148	07/09/25	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"	"	"	
Bromoform	ND	8	µg/m3	"	"	"	"	
n-Butylbenzene	ND	12	µg/m3	"	"	"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"	"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"	"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"	"	"	
Chlorobenzene	ND	8	µg/m3	"	"	"	"	
Chloroform	49	8	µg/m3	"	"	"	"	
Dibromochloromethane	ND	8	µg/m3	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"	"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
Freon 12	55	16	µg/m3	"	"	"	"	
Freon 11	ND	16	µg/m3	"	"	"	"	
Freon 113	ND	16	µg/m3	"	"	"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"	"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"	"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"	"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"	"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"	"	"	
Ethylbenzene	ND	8	µg/m3	"	"	"	"	
Isopropylbenzene	ND	8	µg/m3	"	"	"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"	"	"	
Methylene chloride (TIC)	ND	16	µg/m3	"	"	"	"	
Naphthalene	ND	40	µg/m3	"	"	"	"	
n-Propylbenzene	ND	8	µg/m3	"	"	"	"	
Styrene	ND	8	µg/m3	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"	"	"	
Tetrachloroethene	ND	8	µg/m3	"	"	"	"	
Toluene	ND	8	µg/m3	"	"	"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"	"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"	"	"	
Trichloroethene	ND	8	µg/m3	"	"	"	"	
1,2,4-Trimethylbenzene	ND	8	µg/m3	"	"	"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"	"	"	

Jones Environmental, Inc.



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Lab Director

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562-646-1611 FAX

Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	07/11/25 10:28

CB-3R-15-REP
J252603-003(Soil Vapor)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyzed	Method	Notes
Standard ug/m3 HL by EPA 8260								
Vinyl chloride	ND	8	µg/m3	1	QC2507148	07/09/25	EPA 8260	
m,p-Xylene	ND	16	µg/m3	"	"	"	"	
o-Xylene	ND	8	µg/m3	"	"	"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"	"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"	"	"	
Di-isopropylether	ND	40	µg/m3	"	"	"	"	
tert-amylmethylether	ND	40	µg/m3	"	"	"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2000	µg/m3	"	"	"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"	"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"	"	"	
Acetone (LCC)	ND	80	µg/m3	"	"	"	"	
Surrogate: Toluene-d8	*94.84 %*	*60 - 140*						
Surrogate: Dibromofluoromethane	*99.68 %*	*60 - 140*						
Surrogate: 4-Bromofluorobenzene	*102.81 %*	*60 - 140*						

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Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	07/11/25 10:28

CB-1R-5
J252603-004(Soil Vapor)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyzed	Method	Notes
Standard ug/m3 HL by EPA 8260								
Benzene	ND	8	µg/m3	1	QC2507148	07/09/25	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"	"	"	
Bromoform	ND	8	µg/m3	"	"	"	"	
n-Butylbenzene	ND	12	µg/m3	"	"	"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"	"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"	"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"	"	"	
Chlorobenzene	ND	8	µg/m3	"	"	"	"	
Chloroform	ND	8	µg/m3	"	"	"	"	
Dibromochloromethane	ND	8	µg/m3	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"	"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
Freon 12	ND	16	µg/m3	"	"	"	"	
Freon 11	ND	16	µg/m3	"	"	"	"	
Freon 113	ND	16	µg/m3	"	"	"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"	"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"	"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"	"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"	"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"	"	"	
Ethylbenzene	ND	8	µg/m3	"	"	"	"	
Isopropylbenzene	ND	8	µg/m3	"	"	"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"	"	"	
Methylene chloride (TIC)	ND	16	µg/m3	"	"	"	"	
Naphthalene	ND	40	µg/m3	"	"	"	"	
n-Propylbenzene	ND	8	µg/m3	"	"	"	"	
Styrene	ND	8	µg/m3	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"	"	"	
Tetrachloroethene	ND	8	µg/m3	"	"	"	"	
Toluene	ND	8	µg/m3	"	"	"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"	"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"	"	"	
Trichloroethene	ND	8	µg/m3	"	"	"	"	
1,2,4-Trimethylbenzene	ND	8	µg/m3	"	"	"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"	"	"	

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Lab Director

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562-646-1611 FAX

Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	07/11/25 10:28

CB-1R-5
J252603-004(Soil Vapor)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyzed	Method	Notes
Standard ug/m3 HL by EPA 8260								
Vinyl chloride	ND	8	µg/m3	1	QC2507148	07/09/25	EPA 8260	
m,p-Xylene	ND	16	µg/m3	"	"	"	"	
o-Xylene	ND	8	µg/m3	"	"	"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"	"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"	"	"	
Di-isopropylether	ND	40	µg/m3	"	"	"	"	
tert-amylmethylether	ND	40	µg/m3	"	"	"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2000	µg/m3	"	"	"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"	"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"	"	"	
Acetone (LCC)	ND	80	µg/m3	"	"	"	"	
Surrogate: Toluene-d8	*96.85 %*	*60 - 140*						
Surrogate: Dibromofluoromethane	*96.36 %*	*60 - 140*						
Surrogate: 4-Bromofluorobenzene	*98.83 %*	*60 - 140*						

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Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	07/11/25 10:28

CB-1R-15
J252603-005(Soil Vapor)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyzed	Method	Notes
Standard ug/m3 HL by EPA 8260								
Benzene	20	8	µg/m3	1	QC2507148	07/09/25	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"	"	"	
Bromoform	ND	8	µg/m3	"	"	"	"	
n-Butylbenzene	ND	12	µg/m3	"	"	"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"	"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"	"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"	"	"	
Chlorobenzene	ND	8	µg/m3	"	"	"	"	
Chloroform	ND	8	µg/m3	"	"	"	"	
Dibromochloromethane	ND	8	µg/m3	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"	"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
Freon 12	ND	16	µg/m3	"	"	"	"	
Freon 11	ND	16	µg/m3	"	"	"	"	
Freon 113	ND	16	µg/m3	"	"	"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"	"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"	"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"	"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"	"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"	"	"	
Ethylbenzene	26	8	µg/m3	"	"	"	"	
Isopropylbenzene	ND	8	µg/m3	"	"	"	"	
4-Isopropyltoluene	12	8	µg/m3	"	"	"	"	
Methylene chloride (TIC)	ND	16	µg/m3	"	"	"	"	
Naphthalene	ND	40	µg/m3	"	"	"	"	
n-Propylbenzene	20	8	µg/m3	"	"	"	"	
Styrene	ND	8	µg/m3	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"	"	"	
Tetrachloroethene	14	8	µg/m3	"	"	"	"	
Toluene	38	8	µg/m3	"	"	"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"	"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"	"	"	
Trichloroethene	ND	8	µg/m3	"	"	"	"	
1,2,4-Trimethylbenzene	66	8	µg/m3	"	"	"	"	
1,3,5-Trimethylbenzene	34	8	µg/m3	"	"	"	"	

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Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	07/11/25 10:28

CB-1R-15
J252603-005(Soil Vapor)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyzed	Method	Notes
Standard ug/m3 HL by EPA 8260								
Vinyl chloride	ND	8	µg/m3	1	QC2507148	07/09/25	EPA 8260	
m,p-Xylene	92	16	µg/m3	"	"	"	"	
o-Xylene	27	8	µg/m3	"	"	"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"	"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"	"	"	
Di-isopropylether	ND	40	µg/m3	"	"	"	"	
tert-amylmethylether	ND	40	µg/m3	"	"	"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2000	µg/m3	"	"	"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"	"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"	"	"	
Acetone (LCC)	ND	80	µg/m3	"	"	"	"	
Surrogate: Toluene-d8	*97.45 %*	*60 - 140*						
Surrogate: Dibromofluoromethane	*96.31 %*	*60 - 140*						
Surrogate: 4-Bromofluorobenzene	*98.78 %*	*60 - 140*						

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Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	07/11/25 10:28

CB-2R-5
J252603-006(Soil Vapor)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyzed	Method	Notes
Standard ug/m3 HL by EPA 8260								
Benzene	ND	8	µg/m3	1	QC2507148	07/09/25	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"	"	"	
Bromoform	ND	8	µg/m3	"	"	"	"	
n-Butylbenzene	ND	12	µg/m3	"	"	"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"	"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"	"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"	"	"	
Chlorobenzene	ND	8	µg/m3	"	"	"	"	
Chloroform	9	8	µg/m3	"	"	"	"	
Dibromochloromethane	ND	8	µg/m3	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"	"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
Freon 12	ND	16	µg/m3	"	"	"	"	
Freon 11	ND	16	µg/m3	"	"	"	"	
Freon 113	ND	16	µg/m3	"	"	"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"	"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"	"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"	"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"	"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"	"	"	
Ethylbenzene	ND	8	µg/m3	"	"	"	"	
Isopropylbenzene	ND	8	µg/m3	"	"	"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"	"	"	
Methylene chloride (TIC)	ND	16	µg/m3	"	"	"	"	
Naphthalene	ND	40	µg/m3	"	"	"	"	
n-Propylbenzene	ND	8	µg/m3	"	"	"	"	
Styrene	ND	8	µg/m3	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"	"	"	
Tetrachloroethene	ND	8	µg/m3	"	"	"	"	
Toluene	ND	8	µg/m3	"	"	"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"	"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"	"	"	
Trichloroethene	ND	8	µg/m3	"	"	"	"	
1,2,4-Trimethylbenzene	ND	8	µg/m3	"	"	"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"	"	"	

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Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	07/11/25 10:28

CB-2R-5
J252603-006(Soil Vapor)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyzed	Method	Notes
Standard ug/m3 HL by EPA 8260								
Vinyl chloride	ND	8	µg/m3	1	QC2507148	07/09/25	EPA 8260	
m,p-Xylene	ND	16	µg/m3	"	"	"	"	
o-Xylene	ND	8	µg/m3	"	"	"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"	"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"	"	"	
Di-isopropylether	ND	40	µg/m3	"	"	"	"	
tert-amylmethylether	ND	40	µg/m3	"	"	"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2000	µg/m3	"	"	"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"	"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"	"	"	
Acetone (LCC)	ND	80	µg/m3	"	"	"	"	
Surrogate: Toluene-d8	*95.04 %*	*60 - 140*						
Surrogate: Dibromofluoromethane	*99.80 %*	*60 - 140*						
Surrogate: 4-Bromofluorobenzene	*102.11 %*	*60 - 140*						

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Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	07/11/25 10:28

CB-2R-15
J252603-007(Soil Vapor)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyzed	Method	Notes
Standard ug/m3 HL by EPA 8260								
Benzene	ND	8	µg/m3	1	QC2507148	07/09/25	EPA 8260	
Bromodichloromethane	ND	8	µg/m3	"	"	"	"	
Bromoform	ND	8	µg/m3	"	"	"	"	
n-Butylbenzene	ND	12	µg/m3	"	"	"	"	
sec-Butylbenzene	ND	12	µg/m3	"	"	"	"	
tert-Butylbenzene	ND	12	µg/m3	"	"	"	"	
Carbon tetrachloride	ND	8	µg/m3	"	"	"	"	
Chlorobenzene	ND	8	µg/m3	"	"	"	"	
Chloroform	ND	8	µg/m3	"	"	"	"	
Dibromochloromethane	ND	8	µg/m3	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	8	µg/m3	"	"	"	"	
1,2-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
1,3-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
1,4-Dichlorobenzene	ND	16	µg/m3	"	"	"	"	
Freon 12	21	16	µg/m3	"	"	"	"	
Freon 11	ND	16	µg/m3	"	"	"	"	
Freon 113	ND	16	µg/m3	"	"	"	"	
1,1-Dichloroethane	ND	8	µg/m3	"	"	"	"	
1,2-Dichloroethane	ND	8	µg/m3	"	"	"	"	
1,1-Dichloroethene	ND	8	µg/m3	"	"	"	"	
cis-1,2-Dichloroethene	ND	8	µg/m3	"	"	"	"	
trans-1,2-Dichloroethene	ND	8	µg/m3	"	"	"	"	
Ethylbenzene	ND	8	µg/m3	"	"	"	"	
Isopropylbenzene	ND	8	µg/m3	"	"	"	"	
4-Isopropyltoluene	ND	8	µg/m3	"	"	"	"	
Methylene chloride (TIC)	ND	16	µg/m3	"	"	"	"	
Naphthalene	ND	40	µg/m3	"	"	"	"	
n-Propylbenzene	ND	8	µg/m3	"	"	"	"	
Styrene	ND	8	µg/m3	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	8	µg/m3	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	16	µg/m3	"	"	"	"	
Tetrachloroethene	ND	8	µg/m3	"	"	"	"	
Toluene	9	8	µg/m3	"	"	"	"	
1,1,1-Trichloroethane	ND	8	µg/m3	"	"	"	"	
1,1,2-Trichloroethane	ND	8	µg/m3	"	"	"	"	
Trichloroethene	ND	8	µg/m3	"	"	"	"	
1,2,4-Trimethylbenzene	18	8	µg/m3	"	"	"	"	
1,3,5-Trimethylbenzene	ND	8	µg/m3	"	"	"	"	

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Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	07/11/25 10:28

CB-2R-15
J252603-007(Soil Vapor)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Analyzed	Method	Notes
Standard ug/m3 HL by EPA 8260								
Vinyl chloride	ND	8	µg/m3	1	QC2507148	07/09/25	EPA 8260	
m,p-Xylene	16	16	µg/m3	"	"	"	"	
o-Xylene	ND	8	µg/m3	"	"	"	"	
Methyl-tert-butylether	ND	40	µg/m3	"	"	"	"	
Ethyl-tert-butylether	ND	40	µg/m3	"	"	"	"	
Di-isopropylether	ND	40	µg/m3	"	"	"	"	
tert-amylmethylether	ND	40	µg/m3	"	"	"	"	
tert-Butylalcohol	ND	400	µg/m3	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	2000	µg/m3	"	"	"	"	
n-Hexane (LCC)	ND	80	µg/m3	"	"	"	"	
n-Pentane (LCC)	ND	80	µg/m3	"	"	"	"	
Acetone (LCC)	ND	80	µg/m3	"	"	"	"	
Surrogate: Toluene-d8	*95.13 %*	*60 - 140*						
Surrogate: Dibromofluoromethane	*99.08 %*	*60 - 140*						
Surrogate: 4-Bromofluorobenzene	*101.19 %*	*60 - 140*						

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Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	07/11/25 10:28

Standard ug/m3 HL by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	%REC Limits	Notes
Batch QC2507148 - EPA 8260										
CCV 1										
Benzene	280	8	%	250		112	80 - 120		120	
Chlorobenzene	266	8	%	250		107	80 - 120		120	
1,1-Dichloroethene	260	8	%	250		104	80 - 120		120	
cis-1,2-Dichloroethene	273	8	%	250		109	80 - 120		120	
Ethylbenzene	275	8	%	250		110	80 - 120		120	
Tetrachloroethene	222	8	%	250		89	80 - 120		120	
Toluene	250	8	%	250		100	80 - 120		120	
1,1,1-Trichloroethane	261	8	%	250		104	80 - 120		120	
Trichloroethene	268	8	%	250		107	80 - 120		120	
1,2,4-Trimethylbenzene	277	8	%	250		111	80 - 120		120	
Vinyl chloride	265	8	%	250		106	80 - 120		120	
LCS 1										
Benzene	57.3	8	%	50		115	70 - 130			
Chlorobenzene	57.5	8	%	50		115	70 - 130			
1,1-Dichloroethene	50.8	8	%	50		102	60 - 140			
cis-1,2-Dichloroethene	55.3	8	%	50		111	70 - 130			
Ethylbenzene	58.1	8	%	50		116	70 - 130			
Tetrachloroethene	48.5	8	%	50		97	70 - 130			
Toluene	53.8	8	%	50		108	70 - 130			
1,1,1-Trichloroethane	51.9	8	%	50		104	70 - 130			
Trichloroethene	55.1	8	%	50		110	70 - 130			
1,2,4-Trimethylbenzene	59.6	8	%	50		119	70 - 130			
Vinyl chloride	43.3	8	%	50		87	60 - 140			
Surrogate: Toluene-d8		*95.55 %*	*60 - 140*							
Surrogate: Dibromofluoromethane		*100.99 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene		*103.37 %*	*60 - 140*							
LCSD 1										
Benzene	57.6	8	%	50		115		0.43		
Chlorobenzene	56.4	8	%	50		113		1.98		
1,1-Dichloroethene	50.3	8	%	50		101		1.09		
cis-1,2-Dichloroethene	55.1	8	%	50		110		0.30		
Ethylbenzene	57.9	8	%	50		116		0.30		
Tetrachloroethene	48.0	8	%	50		96		0.94		
Toluene	52.7	8	%	50		105		2.22		
1,1,1-Trichloroethane	52.1	8	%	50		104		0.28		

Jones Environmental, Inc.



Colby Wakeman
Lab Director

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JONES ENVIRONMENTAL, INC.

11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
714-449-9937 PHONE
562-646-1611 FAX

Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	07/11/25 10:28

Standard ug/m3 HL by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	%REC Limits	Notes
Batch QC2507148 - EPA 8260										
LCSD 1										
Trichloroethene	56.2	8	%	50		112		1.85		
1,2,4-Trimethylbenzene	58.6	8	%	50		117		1.61		
Vinyl chloride	43.0	8	%	50		86		0.56		
Surrogate: Toluene-d8		*93.33 %*	*60 - 140*							
Surrogate: Dibromofluoromethane		*102.29 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene		*104.07 %*	*60 - 140*							
Method Blank 1										
Benzene	ND	8	µg/m3							
Bromodichloromethane	ND	8	µg/m3							
Bromoform	ND	8	µg/m3							
n-Butylbenzene	ND	12	µg/m3							
sec-Butylbenzene	ND	12	µg/m3							
tert-Butylbenzene	ND	12	µg/m3							
Carbon tetrachloride	ND	8	µg/m3							
Chlorobenzene	ND	8	µg/m3							
Chloroform	ND	8	µg/m3							
Dibromochloromethane	ND	8	µg/m3							
1,2-Dibromoethane (EDB)	ND	8	µg/m3							
1,2-Dichlorobenzene	ND	16	µg/m3							
1,3-Dichlorobenzene	ND	16	µg/m3							
1,4-Dichlorobenzene	ND	16	µg/m3							
Freon 12	ND	16	µg/m3							
Freon 11	ND	16	µg/m3							
Freon 113	ND	16	µg/m3							
1,1-Dichloroethane	ND	8	µg/m3							
1,2-Dichloroethane	ND	8	µg/m3							
1,1-Dichloroethene	ND	8	µg/m3							
cis-1,2-Dichloroethene	ND	8	µg/m3							
trans-1,2-Dichloroethene	ND	8	µg/m3							
Ethylbenzene	ND	8	µg/m3							
Isopropylbenzene	ND	8	µg/m3							
4-Isopropyltoluene	ND	8	µg/m3							
Naphthalene	ND	40	µg/m3							
n-Propylbenzene	ND	8	µg/m3							
Styrene	ND	8	µg/m3							

Jones Environmental, Inc.



Colby Wakeman
Lab Director

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562-646-1611 FAX

Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	07/11/25 10:28

Standard ug/m3 HL by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	%REC Limits	Notes
Batch QC2507148 - EPA 8260										
Method Blank 1										
1,1,1,2-Tetrachloroethane	ND	8	µg/m3							
1,1,2,2-Tetrachloroethane	ND	16	µg/m3							
Tetrachloroethene	ND	8	µg/m3							
Toluene	ND	8	µg/m3							
1,1,1-Trichloroethane	ND	8	µg/m3							
1,1,2-Trichloroethane	ND	8	µg/m3							
Trichloroethene	ND	8	µg/m3							
1,2,4-Trimethylbenzene	ND	8	µg/m3							
1,3,5-Trimethylbenzene	ND	8	µg/m3							
Vinyl chloride	ND	8	µg/m3							
m,p-Xylene	ND	16	µg/m3							
o-Xylene	ND	8	µg/m3							
Methyl-tert-butylether	ND	40	µg/m3							
Ethyl-tert-butylether	ND	40	µg/m3							
Di-isopropylether	ND	40	µg/m3							
tert-amylmethylether	ND	40	µg/m3							
tert-Butylalcohol	ND	400	µg/m3							
Gasoline Range Organics (C4-C12)	ND	2000	µg/m3							
n-Hexane (LCC)	ND	80	µg/m3							
n-Pentane (LCC)	ND	80	µg/m3							
Acetone (LCC)	ND	80	µg/m3							
Surrogate: Toluene-d8		*96.25 %*	*60 - 140*							
Surrogate: Dibromofluoromethane		*99.21 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene		*102.78 %*	*60 - 140*							
Sample Blank 1										
Benzene	ND	8	µg/m3							
Bromodichloromethane	ND	8	µg/m3							
Bromoform	ND	8	µg/m3							
n-Butylbenzene	ND	12	µg/m3							
sec-Butylbenzene	ND	12	µg/m3							
tert-Butylbenzene	ND	12	µg/m3							
Carbon tetrachloride	ND	8	µg/m3							
Chlorobenzene	ND	8	µg/m3							
Chloroform	ND	8	µg/m3							
Dibromochloromethane	ND	8	µg/m3							

Jones Environmental, Inc.



Colby Wakeman
Lab Director

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JONES ENVIRONMENTAL, INC.

11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
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562-646-1611 FAX

Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	07/11/25 10:28

Standard ug/m3 HL by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	%REC Limits	Notes
Batch QC2507148 - EPA 8260										
Sample Blank 1										
1,2-Dibromoethane (EDB)	ND	8	µg/m3							
1,2-Dichlorobenzene	ND	16	µg/m3							
1,3-Dichlorobenzene	ND	16	µg/m3							
1,4-Dichlorobenzene	ND	16	µg/m3							
Freon 12	ND	16	µg/m3							
Freon 11	ND	16	µg/m3							
Freon 113	ND	16	µg/m3							
1,1-Dichloroethane	ND	8	µg/m3							
1,2-Dichloroethane	ND	8	µg/m3							
1,1-Dichloroethene	ND	8	µg/m3							
cis-1,2-Dichloroethene	ND	8	µg/m3							
trans-1,2-Dichloroethene	ND	8	µg/m3							
Ethylbenzene	ND	8	µg/m3							
Isopropylbenzene	ND	8	µg/m3							
4-Isopropyltoluene	ND	8	µg/m3							
Naphthalene	ND	40	µg/m3							
n-Propylbenzene	ND	8	µg/m3							
Styrene	ND	8	µg/m3							
1,1,1,2-Tetrachloroethane	ND	8	µg/m3							
1,1,2,2-Tetrachloroethane	ND	16	µg/m3							
Tetrachloroethene	ND	8	µg/m3							
Toluene	ND	8	µg/m3							
1,1,1-Trichloroethane	ND	8	µg/m3							
1,1,2-Trichloroethane	ND	8	µg/m3							
Trichloroethene	ND	8	µg/m3							
1,2,4-Trimethylbenzene	ND	8	µg/m3							
1,3,5-Trimethylbenzene	ND	8	µg/m3							
Vinyl chloride	ND	8	µg/m3							
m,p-Xylene	ND	16	µg/m3							
o-Xylene	ND	8	µg/m3							
Methyl-tert-butylether	ND	40	µg/m3							
Ethyl-tert-butylether	ND	40	µg/m3							
Di-isopropylether	ND	40	µg/m3							
tert-amylmethylether	ND	40	µg/m3							
tert-Butylalcohol	ND	400	µg/m3							
Gasoline Range Organics (C4-C12)	ND	2000	µg/m3							
n-Hexane (LCC)	ND	80	µg/m3							

Jones Environmental, Inc.

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Colby Wakeman
Lab Director

JONES ENVIRONMENTAL, INC.

11007 FOREST PLACE
SANTA FE SPRINGS, CA 90670
714-449-9937 PHONE
562-646-1611 FAX

Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	07/11/25 10:28

Standard ug/m3 HL by EPA 8260 - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	%REC Limits	Notes
Batch QC2507148 - EPA 8260										
Sample Blank 1										
n-Pentane (LCC)	ND	80	µg/m3							
Acetone (LCC)	ND	80	µg/m3							
Surrogate: Toluene-d8		*94.12 %*	*60 - 140*							
Surrogate: Dibromofluoromethane		*101.31 %*	*60 - 140*							
Surrogate: 4-Bromofluorobenzene		*104.25 %*	*60 - 140*							

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Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	07/11/25 10:28

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
E	Estimated Concentration; concentration exceeds calibration range.
LCC	Leak Check Compound
MDL	Compound Reported to Method Detection Limit
1	Recovery outside of acceptable limits. LCS/LCSD recoveries and %RSD were within QC limits, therefore data was accepted.
SMSR	Sample matrix prevented adequate surrogate recovery.
J	Value less then PQL but greater than MDL.
HHSR	High hydrocarbon concentration in this sample prevented adequate surrogate recovery.
SMTAR	Sample matrix prevented adequate recovery of target analytes.
OV	Sample was filtered in the lab before extraction.
HHTAR	High hydrocarbon concentration prevented in-range recovery of target analytes.
IHRPD	Target analyte recoveries were outside of range but accepted due to passing RPDs
AROL	Target analyte recovery exceeded recovery range but was accepted due to ND of that analyte in MB and sample(s).
ISO-H	Isomers could not be sufficiently chromatographically resolved according to method requirements due to hydrocarbon interference or other matrix effects. The isomers' reported individual concentrations were each calculated as the average of each of the individual isomers' concentrations.
2	Recovery outside of acceptable limits for either LCS or LCSD. CCV and LCS or LCSD recoveries were within limits; therefore data was accepted.
3	RPD outside of acceptable limits. Target analyte recoveries were within QC limits; therefore, data was accepted.
4	LCS and/or LCSD recoveries exceeded acceptability ranges. Target analyte recoveries were accepted due to passing CCV, in-range LCS/LCSD RPDs, and a clean MB in which all target analytes were < RL.
5	MS and/or MSD recoveries exceeded acceptability ranges. Target analyte recoveries were accepted due to passing CCV, in-range LCS/LCSD RPDs, and a clean MB in which all target analytes were < RL.
SMTAR	Sample matrix prevented adequate recovery of target analytes.
RV	Surrogate recovery outside of control limits due to required dilution.
ASP	Hydrocarbons in this sample most closely resemble asphalt.
@	Surrogate is outside acceptable limits. All other QC parameters in control, therefore data was accepted.
S	Sample was subjected to elemental sulfur cleanup by EPA 3660B.

Jones Environmental, Inc.



Colby Wakeman
Lab Director

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SANTA FE SPRINGS, CA 90670
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Campbell Geo	Project:	Sandpiper	
327 E. Haley St.	Project Number:		Reported
Santa Barbara, CA 93101	Project Manager:	Steve Campbell	07/11/25 10:28

TIC Tentatively Identified Compound. Compound is not in the calibration mix and does not have a valid calibration. All reported detections are estimated

TH1 This sample was analyzed outside the recommended EPA holding time.

JONES ENVIRONMENTAL, INC.
11007 Forest Pl.
Santa Fe Springs, CA 90670
(714) 449-9937
Fax (714) 449-9685
www.jonesenv.com

Soil Gas Summa Chain-of-Custody Record

Client: Campbell Geo	Date: 6/30/2025
Project Name: Sandpiper	Client Project #:
Project Address: 7925 Hollister Ave, Santa Barbara, CA	
Report To: Steve Campbell	
Email/Phone:	
Sampler: Kevin Horchler	

Purge Rate: 200 cc/min

Shut In Test: (Y) / N

Turn Around Requested
- □ Immediate Attention - 200%
- □ Rush 24 Hours - 100%
- □ Rush 48 Hours - 50%
- □ Rush 72 Hours - 25%
- □ Rush 96 Hours - 10%
- □ Normal - No Surcharge

Tracer
- X n-pentane
- X n-hexane
- □ n-heptane
- □ IPA
- □ 1,1-DFA
- X Acetone

EDF Geotracker Global ID: T10000021104

Gasoline Range Organics (GRO) X Yes □ No

Reporting Limits Requested X Standard □ Low □ Ultra Low

Units Requested X ug/m3 □ ug/L □ ppmV

Lab Use Only

Jones Project #: J252603

Page: 1 of 1

Analysis Requested

Sample ID	Date Collected	Purge Number	Purge Volume	Laboraroty Sample ID (Lab Use Only)	Canister ID	Cannister Start Pressure	Cannister End Pressure	Flow Rate (cc/min)	Sampling Start Time	Sampling End Time	TO-15 or 8260B (circle one)	ASTM D1946 (Fixed Gases) Methane	Magnehelic Reading (in/H_2O)	Number of Containers
CB-3R-5	6/30/2025	3	1550	-001	01515	-30	-3	~200	1011	1017	X	X	<2	1
CB-3R-15	6/30/2025	3	1590	-002	01758	-30	-4	~200	1012	1018	X	X	<2	1
CB-3R-15-REP	6/30/2025	-	-	-003	01156	-30	-3	~200	1018	1025	X	X	<2	1
CB-1R-5	6/30/2025	3	1550	-004	01756	-30	-4	~200	1036	1042	X	X	<2	1
CB-1R-15	6/30/2025	3	1590	-005	01817	-30	-4	~200	1037	1043	X	X	14	1
CB-2R-5	6/30/2025	3	1550	-006	01797	-30	-4	~200	1103	1110	X	X	<2	1
CB-2R-15	6/30/2025	3	1590	-007	01757	-30	-3	~200	1104	111	X	X	<2	1

Relinquished By (Signature):	Printed Name: Steve Campbell	Received By (Signature):	Printed Name: K. Horchler
Company: Campbell Geo	Date: 6/30/2025 Time: 1115	Company: Jones Env.	Date: 6/30/2025 Time: 1115
Relinquished By (Signature):	Printed Name: K. Horchler	Received By Laboratory (Signature):	Printed Name: Vidonap.
Company: Jones Env	Date: 7/1/2025 Time: 0815	Company: Jones	Date: 7/1/25. Time: 8:18

The delivery of samples and the signature on this Chain of Custody form constitutes authorization to perform the analyses specificied above under the Terms and Conditions set forth

Login Report

Customer Name: Campbell Geo
Purchase Order:
Project ID: Sandpiper
Comment:

Order ID: J252603
Order Date: 7/1/2025

Sample #: J252603-001 **Customer Sample #:** CB-3R-5 **Site:**

Recv'd: ☑ **Collector:** **Date Collected:** 06/30/25 10:11 AM
Quantity: 1 **Matrix:** Soil Vapor **Date Received:** 07/01/25 9:15 AM
Comment:

Test	Test Group	Method	Due Date	Priority
Standard ug/m3		EPA 8260	7/11/2025	

Sample #: J252603-002 **Customer Sample #:** CB-3R-15 **Site:**

Recv'd: ☑ **Collector:** **Date Collected:** 06/30/25 10:12 AM
Quantity: 1 **Matrix:** Soil Vapor **Date Received:** 07/01/25 9:15 AM
Comment:

Test	Test Group	Method	Due Date	Priority
Standard ug/m3		EPA 8260	7/11/2025	

Sample #: J252603-003 **Customer Sample #:** CB-3R-15-REP **Site:**

Recv'd: ☑ **Collector:** **Date Collected:** 06/30/25 10:18 AM
Quantity: 1 **Matrix:** Soil Vapor **Date Received:** 07/01/25 9:15 AM
Comment:

Test	Test Group	Method	Due Date	Priority
Standard ug/m3		EPA 8260	7/11/2025	

Customer Name: Campbell Geo **Order ID:** J252603

Purchase Order: **Order Date:** 7/1/2025

Project ID: Sandpiper

Comment:

Sample #: J252603-004 **Customer Sample #:** CB-1R-5 **Site:**

Recv'd:	☑	**Collector:**		**Date Collected:**	06/30/25 10:36 AM
Quantity:	1	**Matrix:**	Soil Vapor	**Date Received:**	07/01/25 9:15 AM

Comment:

Test	Test Group	Method	Due Date	Priority
Standard ug/m3		EPA 8260	7/11/2025	

Sample #: J252603-005 **Customer Sample #:** CB-1R-15 **Site:**

Recv'd:	☑	**Collector:**		**Date Collected:**	06/30/25 10:37 AM
Quantity:	1	**Matrix:**	Soil Vapor	**Date Received:**	07/01/25 9:15 AM

Comment:

Test	Test Group	Method	Due Date	Priority
Standard ug/m3		EPA 8260	7/11/2025	

Sample #: J252603-006 **Customer Sample #:** CB-2R-5 **Site:**

Recv'd:	☑	**Collector:**		**Date Collected:**	06/30/25 11:03 AM
Quantity:	1	**Matrix:**	Soil Vapor	**Date Received:**	07/01/25 9:15 AM

Comment:

Test	Test Group	Method	Due Date	Priority
Standard ug/m3		EPA 8260	7/11/2025	

Sample #: J252603-007 **Customer Sample #:** CB-2R-15 **Site:**

Recv'd:	☑	**Collector:**		**Date Collected:**	06/30/25 11:04 AM
Quantity:	1	**Matrix:**	Soil Vapor	**Date Received:**	07/01/25 9:15 AM

Comment:

Test	Test Group	Method	Due Date	Priority
Standard ug/m3		EPA 8260	7/11/2025	

Customer Name: Campbell Geo **Order ID:** J252603

Purchase Order: **Order Date:** 7/1/2025

Project ID: Sandpiper

Comment:

SAMPLE CONDITION RECORD

1. Are the samples within correct temperature criteria? (0 - 6°C)	N/A
2. If not within temp. criteria, were samples received on ice?	N/A
3. If not within temp. criteria, were samples received on same day of sampling?	N/A
4. Is the Chain of Custody (COC) received filled out completely?	Yes
5. Does the total number of containers received match COC?	Yes
6. Are the sample container label(s) consistent with COC?	Yes
7. Are the sample container(s) intact and in good condition?	Yes
8. Were the proper containers & sufficient volume for analyses requested on COC?	Yes
9. Was the proper preservative indicated on COC/container for analyses requested?	N/A
10. Are the containers for volatile analysis free of headspace? (EPA 8260 water)	N/A
EDF Requested	Yes

Air TECHNOLOGY Laboratories, Inc.

July 29, 2025

Jones Environmental
ATTN: Colby Wakeman
11007 Forest Place
Santa Fe Springs, CA 90670

LA Cert #04140
EPA Methods TO3, TO14A, TO15, 25C/3C, ASTM D1946, RSK-175

TX Cert T104704450-14-6
EPA Methods TO14A, TO15

UT Cert CA0133332015-3
EPA Methods TO3, TO14A, TO15, RSK-175

ALASKA CS-LAP 24-002
EPA Methods TO14A, TO15

LABORATORY TEST RESULTS

Project Reference: Sandpiper
Project Number: J252603
Lab Number: S071007-01/07

Enclosed are the results for sample(s) received 7/10/25 by Air Technology Laboratories. Sample was received intact. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

- Unless otherwise noted in the report, sample analyses were performed within method performance criteria and meet all requirements of the TNI Standards.
- The enclosed results relate only to the sample(s).

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

Mark Johnson
Operations Manager
MJohnson@AirTechLabs.com

Note: The cover letter is an integral part of this analytical report.

S071007-01/07

Chain-of-Custody Record

JONES ENVIRONMENTAL, INC.
10260 Matern Pl.
Santa Fe Springs, CA 90670
(714) 449-9937
Fax (714) 449-9685
www.jonesenv.com

Turn Around Requested:
- □ Immediate Attention
- □ Rush 24 Hours
- □ Rush 48 Hours
- □ Rush 72 Hours
- X Normal

Report Options
EDD ____
EDF* - 10% Surcharge X
*Global ID T10000021104

LAB USE ONLY
Jones Project #

Page 1 of 1

Sample Condition as Recieved:
Chilled □ yes □ no
Sealed □ yes □ no

Client	Campbell Geo
Project Name	Sandpiper
Project Address	7925 Hollister Ave.
	Santa Barbara, CA
Email	reports@jonesenv.com
Phone	(714) 449-9937
Report To	Colby Wakeman
Sampler	
Date	7/10/2025
Client Project #	

Sample Container / Preservative Abbreviations

AS - Acetate Sleeve
SS - Stainless Steel Sleeve
BS - Brass Sleeve
G - Glass
AB - Amber Bottle
P - Plastic
SOBI - Sodium Bisulfate
MeOH - Methanol
HCl - Hydrochloric Acid
HNO3 - Nitric Acid
O - Other (See Notes)

Analysis Requested

	Sample ID	Date	Sample Collection Time	Laboratory Sample ID	Preservative	Sample Container	Sample Matrix: Soil (S), Sludge (SL), Aqueous (A), Free Product (FP)	ASTM D1946, Methane/~~Fixed Gases~~	Methane only	Number of Containers	Notes & Special Instructions
01	CB-3R-5	7/10/2025	0930			Tedlar	SG	X		1	J252603-001
02	CB-3R-15	7/10/2025	0931			Tedlar	SG	X		1	J252603-002
03	CB-3R-15-REP	7/10/2025	0932			Tedlar	SG	X		1	J252603-003
04	CB-1R-5	7/10/2025	0933			Tedlar	SG	X		1	J252603-004
05	CB-1R-15	7/10/2025	0934			Tedlar	SG	X		1	J252603-005
06	CB-2R-5	7/10/2025	0935			Tedlar	SG	X		1	J252603-006
07	CB-2R-15	7/10/2025	0936			Tedlar	SG	X		1	J252603-007

Relinquished By (Signature)	Printed Name	Received By (Signature)	Printed Name			7	Total Number of Containers
JWatkins	JWatkins		Hazel Omar				
Company	Date / Time	Company	Date	Time			
JEK	7/10/25 1045	ATL	7/10/25	10:41			
Relinquished By (Signature)	Printed Name	Received By Laboratory (Signature)	Printed Name				
Company	Date: Time	Company	Date	Time			

Client signature on this Chain of Custody form constitutes acknowledgement that the above analyses have been requested, and the information provided herein is correct and accurate.

Client: Jones Environmental
Attn: Colby Wakeman
Project Name: Sandpiper
Project No.: J252603
Date Received: 07/10/25
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	S071007-01		S071007-02		S071007-03		S071007-04	
Client Sample I.D.:	CB-3R-5		CB-3R-15		CB-3R-15-REP		CB-1R-5	
Date/Time Sampled:	7/10/25 9:30		7/10/25 9:31		7/10/25 9:32		7/10/25 9:33	
Date/Time Analyzed:	7/12/25 3:00		7/12/25 3:15		7/12/25 3:29		7/12/25 3:44	
QC Batch No.:	250711GC8A2		250711GC8A2		250711GC8A2		250711GC8A2	
Analyst Initials:	KD		KD		KD		KD	
Dilution Factor:	1.0		1.0		1.0		1.0	
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v
Methane	**0.017**	0.0010	**0.037**	0.0010	**0.044**	0.0010	**0.019**	0.0010

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit

Reviewed/Approved By: _____ Date 7-24-25
Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

Client: Jones Environmental
Attn: Colby Wakeman
Project Name: Sandpiper
Project No.: J252603
Date Received: 07/10/25
Matrix: Air
Reporting Units: % v/v

ASTM D1946

Lab No.:	S071007-05		S071007-06		S071007-07			
Client Sample I.D.:	CB-1R-15		CB-2R-5		CB-2R-15			
Date/Time Sampled:	7/10/25 9:34		7/10/25 9:35		7/10/25 9:36			
Date/Time Analyzed:	7/12/25 3:58		7/12/25 4:13		7/12/25 4:27			
QC Batch No.:	250711GC8A2		250711GC8A2		250711GC8A2			
Analyst Initials:	KD		KD		KD			
Dilution Factor:	1.0		1.0		1.0			
ANALYTE	Result % v/v	RL % v/v	Result % v/v	RL % v/v	Result % v/v	RL % v/v		
Methane	0.0064	0.0010	0.018	0.0010	0.0050	0.0010		

Results normalized including non-methane hydrocarbons

ND = Not Detected (below RL)
RL = Reporting Limit

Reviewed/Approved By: _____ Date 7-24-25
Mark Johnson
Operations Manager

The cover letter is an integral part of this analytical report

AirTECHNOLOGY Laboratories, Inc.
18501 E. Gale Avenue, Suite 130 ♦ City of Industry, CA 91748 ♦ Ph: (626) 964-4032 ♦ Fx: (626) 964-5832

QC Batch No: 250711GC8A2
Matrix: Air
Reporting Units: % v/v

ASTM D1946
LABORATORY CONTROL SAMPLE SUMMARY

Lab No.:	METHOD BLANK			LCS		LCSD					
Date Analyzed:	7/11/25 17:33			7/11/25 16:49		7/11/25 17:04					
Analyst Initials:	KD			KD		KD					
Dilution Factor:	1.0			1.0		1.0			Limits		
ANALYTE	Result % v/v	RL % v/v	SPIKE AMT. % v/v	Result % v/v	% Rec.	Result % v/v	% Rec.	RPD %	Low %Rec	High %Rec	Max. RPD
Methane	ND	0.0010	0.10	0.0975	97	0.0969	96	0.6	70	130	30

ND = Not Detected (below RL)
RL = Reporting Limit

Reviewed/Approved By: Amika Sotelo Sanchez for
Mark Johnson
Operations Manager

Date 7-24-25

The cover letter is an integral part of this analytical report

Appendix I-4

County of Santa Barbara Environmental Health Services' Site Assessment for Site #375

COUNTY OF SANTA BARBARA HEALTH
one COUNTY one FUTURE

Mouhanad Hammami, MD, MHSA Director
Gustavo A. Mejia, CPA Chief Financial Officer
Lars Seifert, MA, REHS Deputy Director
Dana Gamble, LCSW Deputy Director
Josephine Preciado, MD Chief Medical Officer
Henning Ansorg, MD, FACP Health Officer

February 28, 2025

Sandpiper Golf Trust, LLC
Ty Warner Hotels and Resorts
Attn: Ms. Cathy Hwang
280 Chestnut Avenue
Westmont, IL 60559
(chwang@tymail.com)

Subject: Site Assessment
Sandpiper Golf Course
7925 Hollister Avenue
Goleta, CA 93117
SMU Site # 375
APN# 079-210-059
GeoTracker Global ID # T10000021104

Dear Ms. Hwang:

The Santa Barbara County Public Health Department, Environmental Health Services (EHS), Site Mitigation Unit (SMU) has reviewed the January 8, 2025 document submitted by CampbellGeo, Inc., titled *Supplemental Site Assessment, Sandpiper Golf Course – SMU Site #375, 7625 Hollister Avenue, Goleta, California (Report).*

Prior to construction of the Sandpiper Golf Course in 1972, the site was occupied by various features (e.g. storage tanks, pipelines, oil wells, etc.) associated with the Ellwood Oil Field that operated from the late 1920s to the 1990s. The site also includes the Barnsdall-Rio Grande Gas Station, which was constructed in 1929 adjacent to the northwest corner of the present-day golf course and operated until the early 1950's. The gasoline station was enrolled in the Leaking Underground Fuel Tank (LUFT) Program, and was granted regulatory site closure in 1997.

Site assessment at the golf course area began in 2002, with additional sampling occurring in 2005. A total of 355 soil samples and four groundwater samples from the site were analyzed for petroleum and related chemicals and four soil gas samples were analyzed for methane. Contaminants of Potential Concern (COPCs) detected in soil and/or groundwater included Total Petroleum Hydrocarbons in the gasoline (TPHg), diesel (TPHd), and oil (TPHo) ranges, volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), and metals. In several instances, some of the COPCs exceeded their respective commercial/industrial land use and/or construction worker exposure Environmental Screening Levels (ESLs). Other petroleum related COPCs, were detected in soil and groundwater samples at concentrations above their respective Tier 1 ESLs.

The property owner, Sandpiper Golf Trust, LLC, has submitted a development application to the City of Goleta for remodeling and upgrading the golf course. The proposed development includes:

- Demolition of the existing 9,305 square footage clubhouse and its replacement with a 37,179-square foot clubhouse, which will include a basement area for golf cart storage.
- Redesign of the existing golf course and update of the existing on-site landscaping. The proposed golf course improvements include re-routing and re-contouring most of the 18 holes of the golf course. The project will result in approximately 86,500 cubic yards of cut and fill with no net export of soil. Cuts to the existing elevation will extend to depths of up to 15 feet below the current grade.
- The Barnsdall Rio Grande Gas Station will be restored and expanded to include a coffee shop, seating and a bike stop. Soil in this area will be excavated to a depth of 2 feet bgs and recompacted for geotechnical purposes.

The *Report* documented the site assessment activities that occurred in October and November 2024. The investigation was designed to evaluate the presence of impacted soil and groundwater in the areas where soil cuts area proposed and to evaluate the soil vapor intrusion potential within the footprint of the proposed clubhouse. These activities included the following:

- Eight soil borings were drilled using direct push methods. Three of the borings were drilled to a depth of 20 feet below ground surface within the footprint of the proposed clubhouse. Soil and soil vapor were collected from these borings. Soil samples were collected from the remaining borings were, which were drilled to a depth of 10 feet bgs in areas of the proposed cuts to the golf course. Groundwater was not encountered in any of the borings.
- Twenty-three soil samples were analyzed for TPHg, TPHd, TPHo, VOCs, and metals. Four of the samples were also analyzed for PAHs. TPHg, TPHd, TPHo, PAHs, and VOCs were not detected, with the exception of one sample, where TPHo was detected at 50 mg/kg at 5 feet bgs. This value was well below its Tier 1 ESL. Metals, where detected, were below their respective Tier 1 ESLs. The exceptions were arsenic in one sample at 18 mg/kg (3 feet bgs) which is above the California upper background level of 12 mg/kg; nickel in one sample at 118 mg/kg (5 feet bgs) which is above its Construction Worker ESL; and vanadium in multiple samples at concentrations above its Tier 1 ESL of 18 mg/kg.
- Soil vapor samples were collected at 5 and 15 feet bgs from the three locations print and analyzed for VOCs and TPHg. Tetrachloroethene (PCE), Freon 12, and/or chloroform were detected in the samples. However, only chloroform (53 ug/m^3, 15 feet bgs) was detected in one sample and its duplicate at concentrations above its Soil Vapor Commercial ESL (18 ug/m^3, 15 feet bgs).

Based upon the data presented in the *Report*, the following conclusions and recommendations were made:

- Groundwater was not encountered in the borings and is not anticipated to be encountered during the proposed site grading activities. However, if it is

encountered during grading activities and construction dewatering is necessary, the 2023 Soil and Groundwater Management Plan (SGMP) outlines the protocols for testing and disposing of the water.

- None of the samples collected in the 2024 were found to contain TPH, VOCs, PAHs and metals at concentrations that exceeded their respective Tier 1 ESLs. The exceptions were one sample with elevated arsenic, another sample with elevated nickel, and multiple samples with vanadium above its Tier 1 ESL (but within its background mean value). The site data from 2002, 2005, and 2024 indicate that most of the soil that is planned for recontouring the golf course should be suitable for onsite re-use.
- Based upon the soil data collected during the 2024 supplemental site assessment, the SGMP does not need to be revised. However, if stained and/or odoriferous soil is encountered during site grading, then SGMP contains protocols to segregate, test, and determine if this material can be reused on site or if it would need to be disposed.
- The soil vapor data indicates that there is a potential for soil vapor intrusion to the proposed structures under current conditions. Retesting soil vapor is recommended to verify the presence or absence of the soil vapor intrusion hazard at the clubhouse. Temporary soil vapor wells should be constructed, but not abandoned, until the lab analyses are complete and the need for additional testing, if any, is confirmed. If the data indicates it is necessary, a soil vapor intrusion mitigation system plan can be prepared and implemented by a qualified engineer during construction of the new clubhouse.

After a review of the *Report* and site file, EHS has the following comments and directives:

1. EHS notes that the elevated detections of arsenic and nickel appear to be isolated and not co-located with other COPCs. In the case of arsenic, EHS notes that elevated arsenic has been encountered in terrace deposits along the Goleta and Gaviota coast and may be related to weathering of the Monterey Formation. Similarly, the elevated nickel concentration may also be sourced from weathering of the Monterey Formation. Provided that the soil will be reused on site, EHS does not require further testing in areas where elevated arsenic and nickel were detected, as these concentrations are likely outliers and/or potentially related to background conditions. However, should the soil be exported off for use off-site, then it will need to be tested per the Department of Toxic Substances Control's October 2001 *Advisory – Clean Imported Fill Material* fact sheet. Please note that the testing frequency for impacted sites, such as this, is quite rigorous (one sample per truckload is recommended).

2. EHS concurs that the concentrations of vanadium that were detected in the 2024 investigation are indicative of background concentrations.

3. EHS concurs that further soil vapor testing is warranted in the area of the proposed clubhouse. Please submit a brief workplan to EHS for the proposed work to EHS by **April 25, 2025**.

4. As stated in our previous letter, EHS does not accept the July 25, 2023 SGMP, as we require a Corrective Action Plan (CAP). Please revise the SGMP to include the 2024 data and resubmit it as a CAP by **April 25, 2025**.

5. Any corrective action that is related to the Barnsdall Rio Grande Gas Station LUFT site will require oversight from the Central Coast Regional Water Quality Control Board.

If you have any questions regarding the aforementioned, please do not hesitate to call me at (805) 346-8216. Written correspondence regarding this matter should be sent to EHS at 2125 S. Centerpointe Parkway, Suite 333, Santa Maria, CA 93455, via facsimile to (805) 346-8485, or email to tom.rejzek@sbcphd.org.

Sincerely,



Thomas M. Rejzek
Professional Geologist #6461
Certified Hydrogeologist #601
Site Mitigation Unit

ec: Mr. Steve Campbell, Campbell Geo., Inc. (steve@campbellgeo.com)
Mr. Bill Medel, Sandpiper Golf Trust LLC (wemedelco@verizon.net)
Mr. Steve Welton, SEPPS (steve@sepps.com)
Ms. Beth Collins, Brownstein Hyatt Farber Schreck, LLP (BCollins@bhfs.com)
Mr. Greg Bishop, Central Coast Regional Water Quality (Greg.Bishop@waterboards.ca.gov)
Mr. Darryl Mimick, City of Goleta (dmimick@cityofgoleta.org)
Ms. Kathy Allen, City of Goleta, (kallen@cityofgoleta.org)
GeoTracker Database

Tmr:sh 375 02_25