

COVER LETTER

August 7, 2017

To: Alameda County Department of Environmental Health
Environmental Protection
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Subject: **SUBMISSION OF PHASE I (17-ENV4874) AND PHASE II (17-ENV4908)
ENVIRONMENTAL SITE ASSESSMENT REPORTS
FOR PRELIMINARY SITE REVIEW FOR
VOLUNTARY REMEDIAL ACTION AGREEMENT (VRAA)**

Subject Site: **4200 INTERNATIONAL BOULEVARD, OAKLAND, CA 94601**

Basics Environmental, Inc. Projects: 17-ENV4874 and 17-ENV4908

(A SITE CLEANUP PROGRAM CASE# (RO#) HAS NOT YET BEEN ASSIGNED)

PERJURY STATEMENT:

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: *"I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document(s) or report(s) is true and correct to the best of my knowledge."* This letter must be signed by an officer or legally authorized representative of your company.

Subject Site Owner(s) Printed Name(s):

Signature(s) and Date(s):

East Oakland International, LLC

MRSBJ, LLC

[Handwritten Signature] 8/15/17
[Handwritten Signature] 8-15-17

FUTURE COMMUNICATIONS:

For all future communications regarding this subject site/case, please copy the following individuals, representing the subject site property owners:

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LIMITED PHASE II
ENVIRONMENTAL SITE
SAMPLING REPORT

4200 International Boulevard
Oakland
California

FOR

Huntleigh Development, Inc.
101 Linden Street
Oakland, CA 94607



July 20, 2017
17-ENV4908



July 20, 2017
17-ENV4908

Huntleigh Development, Inc.
101 Linden Street
Oakland, CA 94607

Attention: Mr. Mike Adams

Subject: Limited Phase II Environmental Site Sampling Report
4200 International Boulevard
Oakland, California 94601

Dear Mr. Adams:

Basics Environmental, Inc. (Basics) is pleased to present the results of a Limited Phase II Environmental Site Sampling Report for the site located at 4200 International Boulevard in Oakland, California. This Limited Phase II Environmental Site Sampling Report is based on the information compiled by Basics' subconsultant Ms. Lita Freeman, Professional Geologist #7368 with Environmental Risk Assessors.

Based on seven soil samples and one grab water sample collected from four borings advanced at the Site, analytical results indicate that tetrachloroethene (PCE) was the only volatile organic compound (VOC) reported in the groundwater sample (SB-1-SG) collected from the Site at a concentration (4.7 µg/L) above its' Tier 1 ESL (3 µg/L). The concentration of TCE (2 µg/L), a breakdown product of PCE, was below its' Tier 1 ESL (5 µg/L).

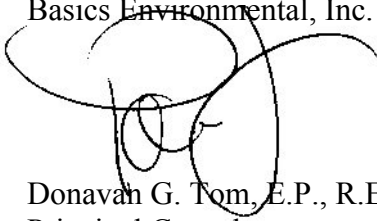
No evidence of staining/discoloration was documented during the field investigation except in sample SB-3-2. Petroleum hydrocarbons were reported in only one soil sample: the concentration (54 mg/kg) of TPHmo reported in sample SB-1-2 was below its' Tier 1 ESL of 100 mg/kg (SFBRWQCB, 2016). This soil sample also had the highest concentrations of chromium, lead, nickel, and zinc. The metals concentrations in soil samples likely represent naturally occurring background levels except lead in sample SB-1-2 (86 mg/kg) which is slightly elevated above the Tier 1 ESL (80 mg/kg) and is above the naturally occurring background level (43 mg/kg) for lead in the region.

The detection of PCE in the water and lead in the soil may indicate that a release has occurred on site with reported concentrations above applicable ESLs. In accordance with the requirements of the permit issued by the Alameda County Public Works Agency (ACPWA), a copy of this report must be submitted to the ACPWA and Alameda County Environmental Health Services Agency (ACEHSA) for review.

Should you have any questions regarding this report, please contact the undersigned.

Sincerely,

Basics Environmental, Inc.

A handwritten signature in black ink, appearing to read 'Donovan G. Tom', is written over the company name.

Donavan G. Tom, E.P., R.E.P.A.
Principal Consultant

PROFESSIONAL CERTIFICATION

LIMITED PHASE II ENVIRONMENTAL SITE SAMPLING REPORT

4200 International Boulevard
Oakland, California

For
Huntleigh Development, Inc.
17-ENV4908
July 20, 2017

This report has been prepared by the staff of Basics Environmental, Inc. (Basics) under the professional supervision of an "Environmental Professional" as defined by the U.S. Environmental Protection Agency's Final Rule. The findings, interpretations of data, recommendations, specifications or professional opinions are presented within the limits prescribed by available information at the time the report was prepared, in accordance with generally accepted professional environmental practice and within the requirements by the Client. There is no other warranty, either expressed or implied.

The data and findings of this report are based on the data and information obtained from the agreed upon scope of work between Basics and the Client. Because contamination is not necessarily evenly distributed across the property's soils and ground water, it can easily remain undetected and geology may control the subsurface distribution of contamination. Additional scope of services including geologic interpretation (at greater cost) may or may not disclose information which may significantly modify the findings of this report. We accept no liability on completeness or accuracy of the information presented and or provided to us, or any conclusions and decisions which may be made by the Client or others regarding the subject site.

This report was prepared solely for the benefit of Basic's Client. Basics consents to the release of this report to third parties involved in the evaluation of the property for which the report was prepared, including without limitation, lenders, title companies, public institutions, attorneys, and other consultants. However, any use of or reliance upon this report shall be solely at the risk of such party and without legal recourse against Basics, or its subcontractors, affiliates, or their respective employees, officers, or directors, regardless of whether the action in which recovery of damage is sought is based upon contract, tort (including the sole, concurrent or other negligence and strict liability of Basics), statute or otherwise. This report shall not be used or relied upon by a party that does not agree to be bound by the above statements.



Donavan G. Tom, E.P., R.E.P.A.
Principal Consultant



Lita D. Freeman, P.G. #7368
Associate Consultant (Expires 12/31/17)



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Environmental Risk Assessors

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1. EXECUTIVE SUMMARY

Environmental Risk Assessors (ERA) is pleased to present this Limited Phase II Environmental Site Assessment (ESA) Report (the "Report") for the property located at 4200 International Boulevard, Oakland, Alameda County, California (the "Site"; Figure 1) to Basics Environmental, Inc. (Basics Environmental). The Site is currently developed with a Burger King fast food restaurant.

1.1 Background

The Site is improved with one single-story, slab-on-grade building, asphalt-paved parking areas, and associated landscaping (Figure 2).

Information obtained by Basics Environmental during their Phase I ESA indicated that a car dealership formerly occupied the Site and east adjoining area. A fueling/serving area was formerly located near the area now occupied by Burger King's drive-thru window. The building formerly located on the Site's northeastern portion was reportedly used for automobile repair and the building formerly located on the Site's southeastern portion was occupied by the car dealership's parts department. Basics Environmental did not obtain information regarding the specific past use of hazardous materials or reports of major violations, spills or unauthorized releases at the Site. Basics Environmental noted the following areas of concern during the Phase I ESA: the former fueling/serving area; the former auto repair building; and the former parts department building.

1.2 Investigation

The objective of the limited Phase II ESA was to evaluate current subsurface conditions in select on-site areas. To meet this objective, soil and groundwater samples were collected from selected sampling locations for analysis with comparison of the analytical results to established screening levels. The investigation consisted of the following:

- Advancing borings (SB-1 through SB-4) to depths of up to 24 feet below ground surface (bgs); SB-1 was drilled southwest of the former fueling/serving area (downgradient based on assumed groundwater flow direction), SB-2 was drilled in the former auto repair building area, SB-3 was drilled southwest (downgradient) of the former auto repair building, and SB-4 was drilled in the area of the former parts department building;
- Collecting soil samples from each boring and a groundwater sample from boring SB-1; due to drilling refusal the borings SB-2 through SB-4 could not be advanced to groundwater;
- Submitting samples for analysis: soil samples for Total Petroleum Hydrocarbons (TPH) quantified as gasoline (TPHg), TPH quantified as diesel (TPHd), TPH quantified as motor oil (TPHmo), TPH quantified as bunker oil (TPHbo), TPH quantified as kerosene (TPHk), TPH quantified as Stoddard solvent (TPHss), volatile organic compounds (VOCs), and Leaking Underground Fuel Tank (LUFT) Manual 5 metals; and the groundwater sample for TPHg, TPHd, TPHmo, TPHbo, TPHk, TPHss, and VOCs; and
- Preparing this report presenting the results of the Limited Phase II ESA.

1.3 Findings

During the field investigation, soil samples were collected continuously in clear acetate tubes. No elevated photoionization detector (PID) readings and no evidence of petroleum hydrocarbon staining were documented in the soil cores except for sample SB-3-2. This sample had a PID reading of 1.0 parts per million volume (ppmv) and exhibited staining/discoloration.

The analytical results of the samples were compared to the Tier 1 Environmental Screening Levels (ESLs) established by the California Environmental Protection Agency, Regional Water Quality Control Board-San Francisco Bay Region (SFBRWQCB, Environmental Screening Levels Tier 1 ESLs, February 2016). A discussion of use of ESLs is presented in Appendix A.

VOCs and petroleum hydrocarbons were not reported in soil samples at concentrations above their respective laboratory reporting limit (lab RL) except TPHmo. TPHmo was reported in soil sample SB-1-2 at a concentration of 54 milligrams per kilogram (mg/kg), which is below its' Tier 1 ESL of 100 mg/kg (SFBRWQCB, 2016). Various metals were detected in the soil samples. Cadmium was not detected at a concentration at or above the lab RL of 2 mg/kg which is above cadmium's Tier 1 ESL of 0.00006 mg/kg. The direct exposure route, the driver for cadmium's Tier 1 ESL, would not present a concern to on-site workers since the Site is covered with hardscape but could present a concern to utility workers exposed to soil with elevated cadmium. The reported chromium concentrations (up to 33 mg/kg) are above the Tier 1 ESL of 1.3 mg/kg for chromium VI (hexavalent chromium) but below the Tier 1 ESL of 120,000 mg/kg for chromium III (trivalent chromium). Lead was reported at concentrations of 22 mg/kg in sample SB-4-2 and 86 mg/kg in sample SB-1-2; the Tier 1 ESL for lead is 80 mg/kg (SFBRWQCB, 2016). The reported concentrations of nickel (up to 42 mg/kg) and zinc (up to 80 mg/kg) are below their respective Tier 1 ESL of 83 mg/kg and 23,000 mg/kg (SFBRWQCB, 2016). The highest concentrations of chromium, lead, nickel, and zinc were reported in soil sample SB-1-2.

Petroleum hydrocarbons were not reported at concentrations at or above their respective lab RL in groundwater sample SB-1-GW. The VOCs tetrachloroethene (PCE) and trichloroethene (TCE) were detected in the groundwater sample. The PCE concentration (4.7 micrograms per liter [$\mu\text{g/L}$]) is above its' Tier 1 ESL (3 $\mu\text{g/L}$) but the TCE concentration (2 $\mu\text{g/L}$) is below its' Tier 1 ESL (5 $\mu\text{g/L}$). The PCE Tier 1 ESL is based on Groundwater Vapor Intrusion Human Health Risk Level (GVIHHRL) for residential properties with shallow groundwater; for commercial/industrial properties with shallow groundwater the (GVIHHRL) is 26 $\mu\text{g/L}$.

1.4 Conclusions

The results of this Limited Phase II ESA indicated that PCE was the only VOC reported in the groundwater sample (SB-1-SG) at a concentration (4.7 $\mu\text{g/L}$) above its' Tier 1 ESL (3 $\mu\text{g/L}$). The TCE concentration (2 $\mu\text{g/L}$) was below its' Tier 1 ESL (5 $\mu\text{g/L}$). PCE's Tier 1 ESL is based on GVIHHRL for residential properties with shallow groundwater; the GVIHHRL ESL for commercial/industrial properties is 26 $\mu\text{g/L}$.

No evidence of staining/discoloration was documented during the field investigation except in sample SB-3-2. Petroleum hydrocarbons were reported in only one soil sample: the concentration (54 mg/kg) of TPHmo in sample SB-1-2 was below its' Tier 1 ESL of 100 mg/kg (SFBRWQCB, 2016). This soil sample also had the highest concentrations of chromium, lead, nickel, and zinc. The metals concentrations in soil samples likely represent naturally occurring background levels except lead in sample SB-1-2 (86 mg/kg) which is slightly elevated above the Tier 1 ESL (80 mg/kg) and is above the naturally occurring background level (43 mg/kg) for lead in the region.

1.5 Recommendations

In accordance with the requirements of the permit issued by the Alameda County Public Works Agency (ACPWA), a copy of this report is to be submitted to the ACPWA.

2. INTRODUCTION

ERA is pleased to present this Limited Phase II ESA Report for the property located at 4200 International Boulevard, Oakland, Alameda County, California (Figure 1) to Basics Environmental. The Site is currently developed with a Burger King fast food restaurant.

The findings and conclusions presented in this Report are based on results of a limited assessment that included collecting and analyzing soil and groundwater samples from the Site and evaluating data obtained during the field investigation and provided by the analytical laboratory.

2.1 Site Description

Basics Environmental requested that ERA conduct a limited Phase II ESA of the Site to facilitate their evaluation of the Site and current subsurface conditions. Site-specific information is presented in Table 1.

Table 1. General Site Information	
Project Name: International Boulevard Property	Current Development: One commercial building with paved parking lot
Address: 4200 International Boulevard, Oakland, Alameda County	Occupant: Burger King fast food restaurant
Location: Eastern corner of the intersection of International Boulevard and 42 nd Avenue	

2.2 Background

The Site consists of the western portion (approximately 39,000 square feet) of an irregular-shaped parcel identified by the Alameda County Assessor as Assessor Parcel Number 35-2354-1-2. The Site is improved with one single-story, slab-on-grade building, asphalt-paved parking areas, and associated landscaping (Figure 2).

According to information obtained by Basics Environmental during their Phase I ESA, the Site was historically developed with buildings associated with a car dealership that formerly occupied the Site and adjoining area to the east. A fueling/serving area was formerly located near the area now occupied by the drive-thru window for the Burger King. The building formerly located on the northeastern portion of the Site was reportedly used for automobile repair and the building formerly located on the southeastern portion of the Site was occupied by the parts department for the car dealership. Basics Environmental did not obtain information regarding the specific past use of hazardous materials on the Site and no reports of major violations, spills or unauthorized releases were reported for the Site within the local regulatory agency files reviewed during the Phase I ESA.

The following areas of concern were noted during Basics Environmental’s assessment:

- The former fueling/serving area;
- The former auto repair building; and
- The former parts department building.

Information obtained by Basics Environmental indicated that investigations in the site vicinity encountered a saturated shallow sandy layer at depths of 22.5 to 24.1 feet bgs and that a silty to gravelly sand layer has been encountered at depths of 31 to 37 feet bgs. Based on the location of

historical Peralta Creek, which now flows through a culvert under the Site, local groundwater flow direction is assumed to be towards the southwest. Basics Environmental noted that, based on depth-to-water measurements in groundwater monitoring wells on the adjoining property (4240 International Boulevard), groundwater flow direction was calculated to be easterly to southwesterly.

2.3 Objectives and Scope of Work

The objective of the limited Phase II ESA was to evaluate current subsurface conditions in select on-site areas. To meet this objective, soil and groundwater samples were collected from sampling locations for analysis with comparison of the analytical results to established screening levels. The investigation consisted of the following:

- Advancing borings designated SB-1 through SB-4 on Figure 2; SB-1 was drilled to a total depth of 24 feet bgs on the northern side of the driveway serving the drive-up window and to the southwest of the former fueling/serving area (downgradient based on assumed groundwater flow direction), SB-2 was drilled to a total depth of 24 feet bgs in the former auto repair building area, SB-3 was drilled to a total depth of 21 feet bgs in the area to the southwest (downgradient) of the former auto repair building, and SB-4 was drilled to a total depth of 21 feet bgs in the area of the former parts department building;
- Collecting soil samples from each boring and a groundwater sample from boring SB-1; borings SB-2 through SB-4 could not be advanced to groundwater due to drilling refusal;
- Submitting samples for analysis: soil samples for TPHg, TPHd, TPHmo, TPHbo, TPHk, TPHss, VOCs, and LUFT Manual 5 metals; and the groundwater sample for TPHg, TPHd, TPHmo, TPHbo, TPHk, TPHss, and VOCs; and
- Preparing this report presenting the results of the Limited Phase II ESA.

2.4 Limitations and Exceptions

The opinions and recommendations presented in this Report are based upon the scope of services, information obtained through the performance of the services, and the schedule as agreed upon by ERA and the party for whom this report was originally prepared. This Report is an instrument of professional service and was prepared in accordance with the generally accepted standards and level of skill and care under similar conditions and circumstances established by the environmental consulting industry. No representation, warranty, or guarantee, express or implied, is intended or given. To the extent that ERA relied upon any information prepared by other parties not under contract to ERA, ERA makes no representation as to the accuracy or completeness of such information.

This Report is expressly for the sole and exclusive use of the parties for which this Report was originally prepared for a particular purpose. Only the parties for which this Report was originally prepared and/or other specifically named parties, may make use of and rely upon the information in this Report. Reuse of this Report or any portion thereof for other than its intended purpose, or if modified, or if used by third parties without proper authorization, shall be at the user's sole risk.

The findings presented in this Report apply solely to site conditions existing at the time when ERA's assessment was performed. It must be recognized, however, that a Limited Phase II ESA is conducted for the purpose of evaluating the potential for contamination through limited investigative activities and in no way represents a conclusive or complete site characterization. Conditions in other parts of the project site may vary from those at the locations where data were collected.

ERA's ability to interpret investigation results is related to the availability of the data and the extent of the investigation activities. As such, 100 percent confidence in limited Phase II ESA conclusions cannot reasonably be achieved.

Nothing contained in this document shall relieve any other party of its responsibility to abide by contract documents and applicable laws, codes, regulations, or standards.

2.5 Special Terms and Conditions

The limited Phase II ESA scope of work (SOW) was presented in ERA's proposal dated June 15, 2017. The SOW for the assessment did not include tasks not specifically noted in the proposal.

ERA had proposed collecting a groundwater sample from each boring; however, drilling refusal was encountered at depths of 21 to 24 feet bgs in borings SB-2 through SB-4 and groundwater did not enter the polyvinyl chloride (PVC) casing placed in the borehole. Therefore, a groundwater sample was not collected from these three borings during the field work. The deepest soil sample (from a depth of approximately 20 feet bgs) that was collected from borings SB-2 through SB-4 was submitted for analysis as these samples exhibited some moisture and were just above the depth where groundwater was encountered in boring SB-1.

2.6 User Reliance

This Report is for the exclusive use of the parties for which it was prepared, their agents, and assignees, and for such other parties as ERA agrees may rely on the Report. Use of this Report by any other party shall be at such party's sole risk.

2.7 Qualifications

A summary of the ERA personnel who worked on this project follows:

- Ms. Lita Freeman, California Professional Geologist and California Asbestos Consultant, has over 25 years of experience providing site assessment services. This has included evaluating potential property impacts from historical on- and off-site operations, conducting subsurface investigations, and implementing site remediation plans. Ms. Freeman works with property owners, attorneys, and regulators to mitigate and resolve environmental issues.

3. FIELD INVESTIGATION

This Limited Phase II ESA was conducted to evaluate current conditions by collecting soil and groundwater samples from select on-site locations for analysis with comparison of the analytical results to established screening levels. The scope of work and results of this Limited Phase II ESA are presented below.

Photographs of the Site and site investigation are included in Appendix B.

3.1 Pre-Field Activities

Prior to conducting field activities associated with the proposed assessment, the pre-field tasks described below were completed.

3.1.1 Health and Safety

ERA prepared a site-specific *Health and Safety Plan* for the scope of work as required by the Occupational Health and Safety Administration (OSHA) Standard "Hazardous Waste Operations and Emergency Response" guidelines (29 CFR 1910.120). The document was reviewed and signed by ERA personnel and subcontractors performing work at the Site.

3.1.2 Permitting

ERA obtained a soil boring permit (Permit Number W2017-0530) from the ACPWA prior to commencing intrusive field activities. ERA coordinated field activities with the ACPWA and scheduled an ACPWA inspector to document compliance with permit requirements. A copy of the approved permit is presented in Appendix C.

3.2 Field Activities

3.2.1 Utility Clearance

Prior to conducting subsurface work at the Site, the soil boring locations were cleared for underground utilities by notifying Underground Services Alert North (USA North) at least 48 hours prior to intrusive field activities (notification by GS Exploration). In addition, A-Plus Utility Locating, a private utility locating contractor, cleared each proposed sampling location prior to intrusive field activities. Proposed sampling locations were adjusted, as necessary, to maintain a distance of at least 3 feet from identified underground utilities/structures.

3.2.2 Drilling and Sampling

On July 10, 2017, ERA personnel provided oversight of a field crew from GS Exploration of Rancho Cordova, California, a California licensed driller, during advancement of the borings using a Geoprobe direct-push drilling rig. Four borings (SB-1 through SB-4 on Figure 2) were advanced to collect soil and groundwater samples. The boring locations were selected based on available historical information and site observations, as follows:

- Boring SB-1 was placed on the northern side of the driveway serving the drive-up window and to the southwest of the former fueling/serving area (downgradient based on assumed groundwater flow direction) and drilled to a depth of 24 feet bgs;
- Boring SB-2 was placed in the former auto repair building area and drilled to a depth of 24 feet bgs;
- Boring SB-3 was placed in the area to the southwest (downgradient) of the former auto repair building and drilled to a depth of 21 feet bgs; and
- Boring SB-4 was placed in the area of the former parts department building and drilled to a depth of 21 feet bgs.

ERA had proposed collecting a groundwater sample from each boring; however, drilling refusal was encountered at depths of 21 to 24 feet bgs in borings SB-2 through SB-4 and groundwater did not enter the PVC casing placed in the borehole. Therefore, a groundwater sample was not collected from these three borings during the field work.

Down-hole drilling and sampling equipment was steam-cleaned or washed in a tri-sodium phosphate solution following the completion of sample collection activities for each soil boring.

Soil sampling was conducted during drilling using new acetate sleeves. Soil samples were screened in the field with a PID and observed for evidence of chemical staining. The soil screening procedures involved measuring approximately 30 grams of soil from a relatively undisturbed soil sample and placing this sample in a sealed zip-lock bag. The container was warmed in the sun for approximately 20 minutes, then the head space within the bag was tested for total organic vapor, measured ppmv. PID readings were recorded as 0.0 ppmv except sample SB-3-2 which had a reading of 1.0 ppmv; this sample was also noted to exhibit staining/discoloration. The PID results were recorded on the field boring logs which are included in Appendix D.

3.2.2.1 Soil Sampling

A truck-mounted direct-push unit was used to drive a steel probe lined with acetate tubes into the ground to the desired sample depth.

The soil samples were retained in the acetate tubes, capped with Teflon squares and plastic end caps, labeled with the identifying information and the bottom depth (e.g., 2 feet bgs) of the sampling interval, and sealed in zip-lock bags.

The soil samples were placed on ice and transported under chain-of-custody protocols to the project laboratory by a ERA's representative.

3.2.2.2 Groundwater Sampling

New PVC casing (with slotted casing in the lower 10 feet and blank casing from above the slotted casing to the ground surface) was placed in each boring. Groundwater was allowed to flow into the casing at each location for approximately one hour. Due to the limited quantity of groundwater assumed to be present, groundwater was not purged prior to collection of groundwater samples. Groundwater was only present in boring SB-1. Groundwater from this boring was collected using a peristaltic pump and new disposable tubing and decanted into laboratory-provided containers appropriate for the requested analysis.

The groundwater sample containers were labeled with the identifying information and placed on ice and transported under chain-of-custody protocols to the project laboratory by ERA's representative.

3.2.3 Borehole Abandonment and Investigation-Derived Waste Handling

After completing sampling activities, each boring was backfilled with cement grout and bentonite in accordance with the ACPWA permit requirements and the ACPWA inspector's directions.

Investigation-derived waste (IDW), which was limited to soil cuttings, produced during sampling activities were containerized in one 55-gallon container and left on the Site pending receipt of analytical results and evaluation of appropriate off-site disposal options.

4. ANALYSIS, RESULTS, AND EVALUATION

The soil and groundwater samples were submitted to SunStar Laboratories, Inc. (SunStar) of Lake Forest, California, a laboratory certified by the State of California to perform the requested analyses. The analytical methods, results, and evaluation of this Limited Phase II ESA are presented below. Copies of the laboratory analytical reports and chain-of-custody documentation are presented in Appendix E.

Because a groundwater sample was not collected from borings SB-2 through SB-4 during the field work, the deepest soil sample (from a depth of approximately 20 feet bgs) that was collected from borings SB-2 through SB-4 was submitted for analysis as these samples exhibited some moisture and were just above the depth where groundwater was encountered in boring SB-1.

4.1 Soil Analysis and Results

The soil sample collected from each boring at a depth of 1.5 to 2 feet bgs was submitted for analyses. Sample SB-3-2 had the highest PID reading and was the only soil sample that was noted as exhibiting staining/discoloration. The following analyses were conducted:

- TPHg, TPHd, TPHmo, TPHbo, TPHk, and TPHss using Method SW8015B without silica gel cleanup;
- VOCs, including benzene, toluene, ethylbenzene, and xylenes (BTEX), using U.S. EPA Method 8260B; and
- LUFT 5 metals using U.S. EPA Method 6010B.

VOCs and petroleum hydrocarbons were not reported in soil samples at concentrations at or above their respective lab RL except TPHmo. TPHmo was reported in soil sample SB-1-2 at a concentration of 54 mg/kg.

Various metals were detected in the soil samples. Cadmium was not detected at a concentration at or above the lab RL of 2 mg/kg. Chromium was reported at concentrations of up to 33 mg/kg, lead was reported in two samples (at concentrations of 22 mg/kg in sample SB-4-2 and 86 mg/kg in sample SB-1-2), nickel was reported at concentrations up to 42 mg/kg, and zinc was reported at concentrations up to 80 mg/kg. The highest concentrations of chromium, lead, nickel, and zinc were reported in soil sample SB-1-2.

The analytical results for the compounds detected in the soil samples are presented in Tables 2 and 3 and discussed below in Section 4.3.

4.2 Groundwater Analysis and Results

The groundwater sample collected from boring SB-1 was submitted for analyses as follows:

- TPHg, TPHd, TPHmo, TPHbo, TPHk, and TPHss using Method SW8015B without silica gel cleanup; and
- VOCs, including BTEX, using U.S. EPA Method 8260B.

Petroleum hydrocarbons were not reported at concentrations at or above their respective lab RL in groundwater sample SB-1-GW.

The VOCs PCE, TCE, and chloroform were detected in the groundwater sample. PCE was reported at a concentration of 4.7 µg/L, TCE at a concentration of 2 µg/L, and chloroform was reported at a concentration of 1.4 µg/L.

The analytical results for select compounds are presented in Table 2 and discussed below in Section 4.3.

4.3 EVALUATION

The concentrations of detected compounds of concern were compared to the Tier 1 ESLs for soil and groundwater as established by the SFBRWQCB (SFBRWQCB, 2016).

4.3.1 Soil Results Evaluation

The TPHmo concentration (54 mg/kg) reported in soil sample SB-1-2 is below its' Tier 1 ESL of 100 mg/kg (SFBRWQCB, 2016).

The lab RL of 2 mg/kg for cadmium is above its' Tier 1 ESL of 0.00006 mg/kg. The direct exposure route, the driver for cadmium's Tier 1 ESL, would not present a concern to on-site workers since the Site is covered with hardscape but could present a concern to utility workers exposed to soil with elevated cadmium.

The reported chromium concentrations (up to 33 mg/kg) are above the Tier 1 ESL of 1.3 mg/kg for chromium VI (hexavalent chromium) but below the Tier 1 ESL of 120,000 mg/kg for chromium III (trivalent chromium).

The lead concentration (86 mg/kg) in sample SB-1-2 is above its' Tier 1 ESL of 80 mg/kg (SFBRWQCB, 2016). This Tier 1 ESL is based on Direct Exposure Human Health Risk Levels for shallow soil exposure at residential properties; Direct Exposure Human Health Risk Levels for shallow soil exposure at commercial/industrial properties is 320 mg/kg (SFBRWQCB, 2016).

The reported concentrations of nickel (up to 42 mg/kg) and zinc (up to 80 mg/kg) are below their respective Tier 1 ESL of 83 mg/kg and 23,000 mg/kg (SFBRWQCB, 2016).

The highest concentrations of chromium, lead, nickel, and zinc were reported in sample SB-1-2.

Except for lead in sample SB-1-2, the reported concentrations and lab RLs of the LUFT 5 metals were within the naturally occurring background levels of up to 5.6 mg/kg for cadmium, up to 120 mg/kg for chromium, up to 272 mg/kg for nickel, and up to 140 mg/kg for zinc (Diamond, 2009). The lead concentration of 86 mg/kg in sample SB-1-2 is above the naturally occurring background level of 43 mg/kg for lead in the region (Diamond, 2009).

4.3.2 Groundwater Results Evaluation

Petroleum hydrocarbons were not reported at concentrations at or above their respective lab RL in sample SB-1-GW; the lab RLs are below their respective Tier 1 ESL (SFBRWQCB, 2016).

The concentration of the VOC PCE (4.7 µg/L) is above its' Tier 1 ESL (3 µg/L) but the TCE concentration (2 µg/L) is below its' Tier 1 ESL (5 µg/L). TCE is a breakdown product of PCE. The PCE Tier 1 ESL is based on Groundwater Vapor Intrusion Human Health Risk Level for residential properties with shallow groundwater; the Groundwater Vapor Intrusion Human Health Risk Level for commercial/industrial properties with shallow groundwater is 26 µg/L (SFBRWQCB, 2016). Chloroform was reported at a concentration of 1.4 µg/L which below its' Tier 1 ESL of 2.3 µg/L.

5. CONCLUSIONS

The results of this Limited Phase II ESA indicated that PCE was the only VOC reported in the groundwater sample (SB-1-SG) collected from the Site at a concentration (4.7 µg/L) above its' Tier 1 ESL (3 µg/L). The concentration of TCE (2 µg/L), a breakdown product of PCE, was below its'

Tier 1 ESL (5 µg/L). The PCE Tier 1 ESL is based on Groundwater Vapor Intrusion Human Health Risk Level for residential properties with shallow groundwater; for commercial/industrial properties with shallow groundwater the Groundwater Vapor Intrusion Human Health Risk Level is 26 µg/L.

No evidence of staining/discoloration was documented during the field investigation except in sample SB-3-2. Petroleum hydrocarbons were reported in only one soil sample: the concentration (54 mg/kg) of TPHmo reported in sample SB-1-2 was below its' Tier 1 ESL of 100 mg/kg (SFBRWQCB, 2016). This soil sample also had the highest concentrations of chromium, lead, nickel, and zinc. The metals concentrations in soil samples likely represent naturally occurring background levels except lead in sample SB-1-2 (86 mg/kg) which is slightly elevated above the Tier 1 ESL (80 mg/kg) and is above the naturally occurring background level (43 mg/kg) for lead in the region.

6. RECOMMENDATIONS

In accordance with the requirements of the permit issued by the ACPWA, a copy of this report is to be submitted to the ACPWA.

7. REFERENCES

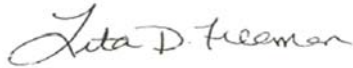
American Society for Testing and Materials (ASTM), *Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions*, June 2010.

California Environmental Protection Agency, San Francisco Bay Regional Water Quality Control Board (SFBRWQCB). 2016. *Environmental Screening Levels, Tier 1 ESLs*. February.

Diamond, David, David Baskin, Dennis Brown, Loren Lund, Julie Najita, and Iraj Javadel. Rev. 2009. *Analysis of Background Distributions of Metals in the Soil at Lawrence Berkeley National Laboratory*. April (June 2002).

SIGNATURES OF ENVIRONMENTAL PROFESSIONAL

Report Prepared By:



July 20, 2017

Lita D. Freeman, P.G.
Principal Geologist
California Professional Geologist No. 7368

Date

* A professional geologist's certification of conditions comprises a declaration of his or her professional judgment. It does not constitute a warranty or guarantee, expressed or implied, nor does it relieve any other party of its responsibility to abide by contract documents, applicable codes, standards, regulations, and ordinances.

TABLES

Table 2
Soil and Groundwater Samples Organics Analytical Summary
International Boulevard Property
4200 International Boulevard
Oakland, California

On-Site Location/ Comments	Sample ID	Sample Depth (feet bgs) ¹	Matrix	Petroleum Hydrocarbons (Soil: mg/kg, GW:µg/L)							VOCs ² (soil: mg/kg, GW: µg/L)																	
				TPH _g ³	TPH _d ³	TPH _{mo} ³	TPH _{bo} ³	TPH _k ³	TPH _{ss} ³	PCE ⁴	TCE ⁴	1,1-DCE ⁴	Benzene	Toluene	Ethylbenzene	Xylenes												
ESL for Soil⁵																												
Southwest of Former Fueling/Serving Area	SB-1-2	1.5 - 2	Soil	<0.5	<10	54	<10	<10	<10	<10	<10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01										
Former Auto Repair Building Area	SB-2-2	1.5 - 2	Soil	<0.5	<10	<10	<10	<10	<10	<10	<10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01										
Southwest of Former Auto Repair Building	SB-2-20.5	20 - 20.5	Soil	<0.5	<10	<10	<10	<10	<10	<10	<10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01										
Former Parts Dept. Building Area	SB-3-2	1.5 - 2	Soil	<0.5	<10	<10	<10	<10	<10	<10	<10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01										
	SB-3-20	19.5 - 20	Soil	<0.5	<10	<10	<10	<10	<10	<10	<10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01										
	SB-4-2	1.5 - 2	Soil	<0.5	<10	<10	<10	<10	<10	<10	<10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01										
	SB-4-20	19.5 - 20	Soil	<0.5	<10	<10	<10	<10	<10	<10	<10	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01										
ESL for Groundwater⁵																												
Southwest of Former Fueling/Serving Area	SB-1-GW	NA	Ground-water	<50	<50	<100	<50	<50	<50	NE	NE	3	5	3.2	1	40	13	20										
				<50	<50	<100	<50	<50	<50	NE	NE	4.7	2	<0.2	<0.1	<0.1	<0.1	<0.2										

Notes:

- Samples collected July 10, 2017.
- Units: mg/kg = milligrams per kilogram, µg/L = micrograms per liter
- 1. bgs = below ground surface
- 2. Volatile Organic Compound (VOCs) analyzed using U.S. EPA Method 8260B.
- 3. TPHg, TPHd, TPHmo, TPHk, TPHss = Total petroleum hydrocarbons (TPH) quantified as gasoline (TPHg), TPH quantified as diesel (TPHd), TPH quantified as motor oil (TPHmo), TPH quantified as kerosene (TPHk), and TPH quantified as Stoddard solvent (TPHss) analyzed using U.S. EPA Method SW8015B.
- 4. PCE = Tetrachloroethene, TCE = Trichloroethene, 1,1-DCE = 1,1-Dichloroethene
- 5. ESL = Environmental Screening Levels (ESLs) for soil and groundwater as established by the California Environmental Protection Agency, San Francisco Bay Regional Water Quality Control Board, Tier 1 Environmental Screening Levels (SFBRWQCB, 2016). February 2016.
- 6. SFBRWQCB, 2016; Note 2 states: TPH motor oil is not soluble. TPH motor oil detections in water most likely are petroleum degradates or less likely non-aqueous phase liquid (NAPL). If the detections are degradates, add TPH motor oil and TPH diesel results and compare to TPH diesel criterion. The ESL established for TPHd is presented as the ESL for TPHmo.

NE = Not established
 <0.5 = Compound not reported at or above the stated concentration
Bold = Compound reported at stated concentration
Bold = Compound reported at a concentration above its' Tier 1 ESL

Table 3
Soil Samples Inorganics Analytical Summary
International Boulevard Property
4200 International Boulevard
Oakland, California

On-Site Location/ Comments	Sample ID	Sample Depth (feet bgs) ¹	Matrix	Analytes				
				Cadmium	Chromium	Lead	Nickel	Zinc
ESL for Soil²				0.00006	see below	80	83	23,000
Southwest of Former Fueling/Serving Area	SB-1-2	1.5 - 2	Soil	<2	33	86	42	80
Former Auto Repair Building Area	SB-2-2	1.5 - 2	Soil	<2	30	<3	40	25
Southwest of Former Auto Repair Building	SB-3-2	1.5 - 2	Soil	<2	26	<3	31	25
Former Parts Dept. Building Area	SB-4-2	1.5 - 2	Soil	<2	24	22	34	41

Notes:

Samples collected July 10, 2017.

Units: mg/kg = milligrams per kilogram

Soil samples were analyzed for Leaking Underground Fuel Tank 5 metals using U.S. EPA Method 6010B.

1. bgs = below ground surface

2. ESL = Environmental Screening Levels (ESLs) for soil as established by the California Environmental Protection Agency, San Francisco Bay Regional Water Quality Control Board Tier 1 Environmental Screening Levels (SFBRWQCB, 2016), February 2016.

<1.8 = Compound not reported at or above stated concentration

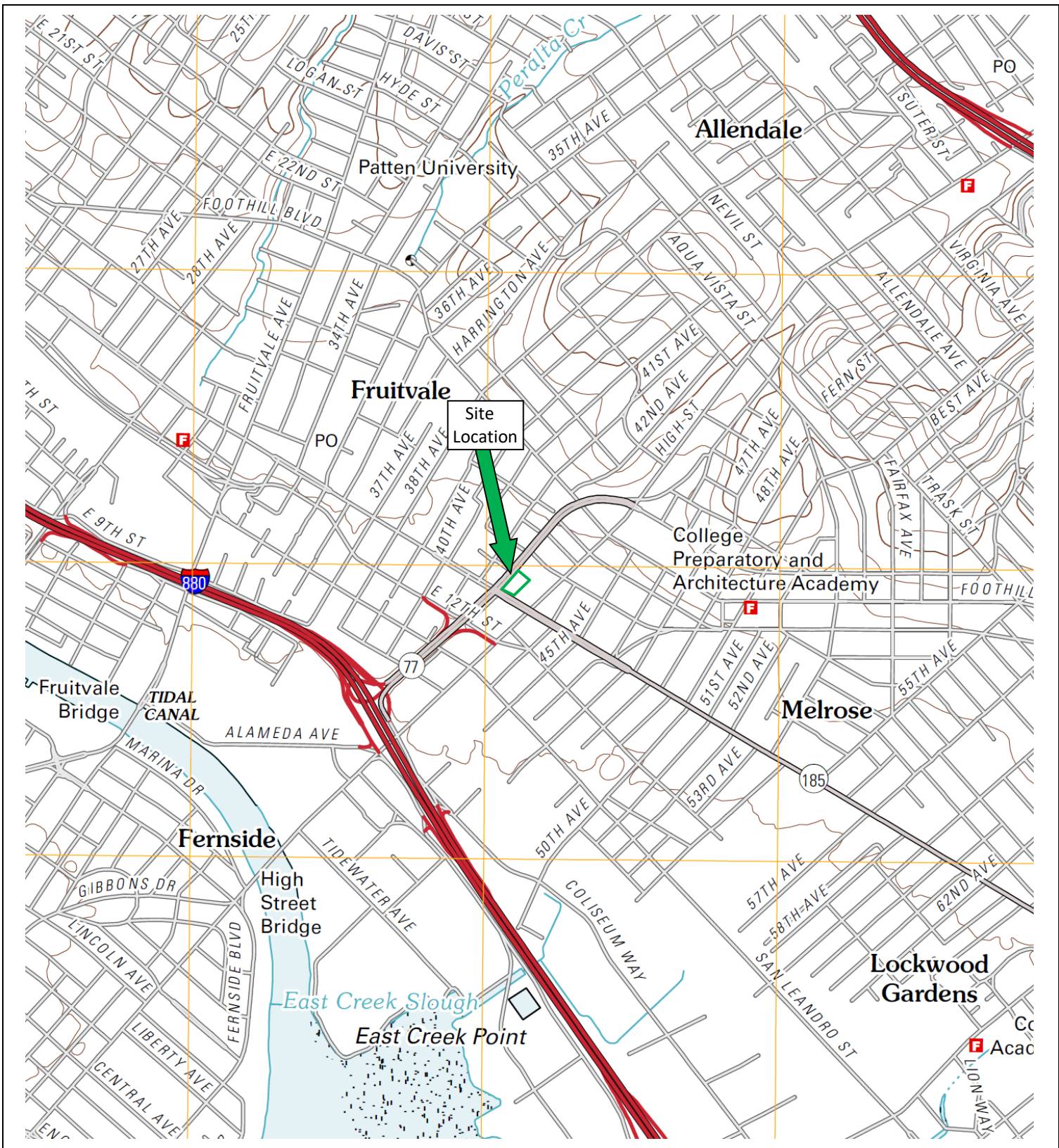
Bold = Compound reported at stated concentration

Bold = Compound reported above its' Tier 1 ESL

Italics = Compound laboratory reporting limit is above ESL

Chromium III ESL = 120,000 mg/kg
Chromium VI ESL = 1.3 mg/kg

FIGURES



Legend Source: USGS Oakland East, CA Quadrangle Topographic Map, 2012 ↑ North

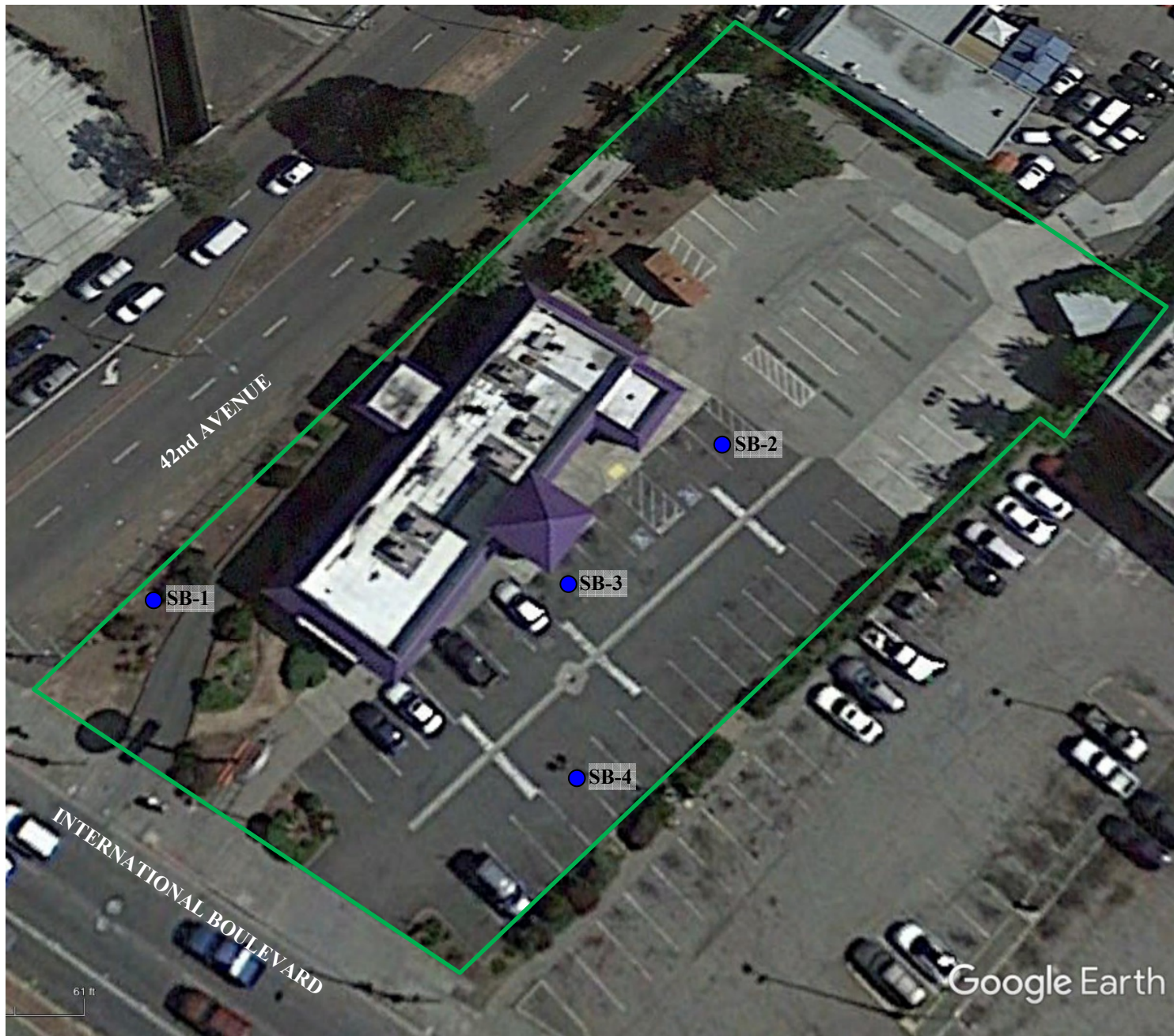
— Site (boundaries approximate)







Site Location Map

LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT
 4200 International Boulevard, Oakland, California 94601

PN: 01-2017-500-004
 Date: July 20, 2017
 EP: Lita Freeman
Figure 1



Legend		
	Approximate Property Boundary	 0 40 80 Scale (approximate, feet) based on Google Earth scale
	Sampling Location	
		 North



Site Plan

LIMITED PHASE II ENVIRONMENTAL SITE ASSESSMENT
 4200 International Boulevard, Oakland, California 94601

PN: 01-2017-500-004

Date: July 20, 2017

EP: Lita Freeman

Figure 2

APPENDIX A

Use of California Environmental Protection Agency,
Regional Water Quality Control Board-San Francisco Bay
Region Environmental Screening Levels

Environmental Screening Levels (ESLs) have been established by the California Environmental Protection Agency, Regional Water Quality Control Board-San Francisco Bay Region (SFBRWQCB, Environmental Screening Levels Tier 1 ESLs, February 2016). The Tier 1 ESLs are NOT regulatory cleanup standards. Use of the ESLs in general is intended to be entirely optional on the part of the regulated facility and subject to the approval of the case manager in the overseeing regulatory agency. The presence of a chemical at concentrations in excess of an ESL does not necessarily indicate that adverse impacts to human health or the environment are occurring; this simply indicates that a potential for adverse risk may exist and that additional evaluation is warranted. Use of the ESLs as cleanup levels should be evaluated in view of the overall site investigation results and the cost/benefit of performing a more site-specific risk assessment.

Reliance on only the Tier 1 ESLs to identify potential environmental concerns may not be appropriate for some sites. Examples include sites that require a detailed discussion of potential risks to human health, sites where physical conditions substantially differ from those assumed in development of the ESLs (e.g., mine sites, landfills, etc., with high or low pH) and sites where impacts pose heightened threats to sensitive ecological habitats. The latter could include sites that are adjacent to wetlands, streams, rivers, lakes, ponds, marine shorelines, or sites that otherwise contain or border on areas where protected or endangered species may be present. Potential impacts to sediment are also not addressed. The need for a detailed ecological risk assessment should be evaluated on a site-by-site basis for areas where significant concerns may exist. Notification to the Natural Resource Trustee Agencies (including the state Department of Toxic Substances Control and Department of Fish and Game and the federal Fish and Wildlife Service, Department of the Interior and National Oceanic and Atmospheric Administration) may also be required, particularly if the release of a hazardous substance may impact surface waters.

The ESLs should not be used to determine when impacts at a site should be reported to a regulatory agency. All releases of hazardous substances to the environment should be reported to the appropriate regulatory agency in accordance with governing regulations. The lookup tables are updated on a regular basis, as needed, in order to reflect changes in the referenced sources as well as lessons gained from site investigations and field observations.

APPENDIX B

Site Photographs

Photographic Log
International Boulevard Property
4200 International Boulevard
Oakland, California 94601
ERA Project No. 01-2017-500-004

Photograph: 1

Description:

Photo depicts the on-site building. View to north from near southeast corner of the Site.



Photograph: 2

Description:

Photo depicts the on-site building. View to the southwest from near the Site's northeastern corner.



Photographic Log
International Boulevard Property
4200 International Boulevard
Oakland, California 94601
ERA Project No. 01-2017-500-004

Photograph: 3

Description:

Photo depicts the area between the northwestern border of the Site and the driveway from the drive-thru window. View to the north-northeast.



Photograph: 4

Description:

Photo depicts the drilling rig set up on boring SB-1 beside the driveway from the drive-thru window. View to the west.



Photographic Log
International Boulevard Property
4200 International Boulevard
Oakland, California 94601
ERA Project No. 01-2017-500-004

Photograph: 5

Description:

Photo depicts the drilling rig set up at boring SB-2.



Photograph: 6

Description:

Photo depicts the drilling rig set up on boring SB-3.



Photographic Log
International Boulevard Property
4200 International Boulevard
Oakland, California 94601
ERA Project No. 01-2017-500-004

Photograph: 7

Description:

Photo depicts the drilling rig set up on boring SB-4.



Photograph: 8

Description:

Photo depicts preparation for groundwater sampling at boring SB-1.



Photographic Log
International Boulevard Property
4200 International Boulevard
Oakland, California 94601
ERA Project No. 01-2017-500-004

Photograph: 9

Description:

Photo depicts backfilling boring SB-1.



Photograph: 10

Description:

Photo depicts backfilling boring SB-3.



Photographic Log
International Boulevard Property
4200 International Boulevard
Oakland, California 94601
ERA Project No. 01-2017-500-004

Photograph: 11

Description:

Photo depicts backfilled boring SB-2 (at white arrow).



Photograph: 12

Description:

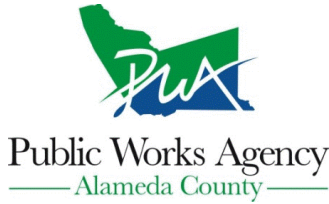
Photo depicts drum of soil cuttings.



APPENDIX C

Soil Boring Permit

Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 06/27/2017 By jamesy

Permit Numbers: W2017-0530
Permits Valid from 06/29/2017 to 06/29/2017

Application Id: 1497656905751
Site Location: 4200 International Blvd
Project Start Date: 06/29/2017
Assigned Inspector: Contact Marcelino Vialpando at (510) 670-5760 or Marcelino@acpwa.org

City of Project Site:Oakland

Completion Date:06/29/2017

Applicant: Environmental Risk Assessors - Lita Freeman
1420 E Roseville Pkwy, #140-262, Roseville, CA 95661
Property Owner: Harry C. (Trustee:BK Corp #2288) Shilling
PO Box 020783, Miami, FL 33102
Client: Donovan Tom Basics Environmental
655 12th Street, Suite 126, Oakland, CA 94607
Contact: Lita Freeman

Phone: 916-677-9897

Phone: --

Phone: 510-834-9099

Phone: 916-677-9897
Cell: 916-677-9897

	Total Due:	\$265.00
Receipt Number: WR2017-0299	Total Amount Paid:	\$265.00
Payer Name : Environmental Risk		PAID IN FULL
Assessor/Lita D Freeman		

Works Requesting Permits:

Borehole(s) for Investigation-Environmental/Monitorinig Study - 4 Boreholes
Driller: Cascade Drilling, L.P. - Lic #: 938110 - Method: DP

Work Total: \$265.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2017-0530	06/27/2017	09/27/2017	4	2.00 in.	38.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.
2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.
3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.
4. Applicant shall contact assigned inspector listed on the top of the permit at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
5. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.

Alameda County Public Works Agency - Water Resources Well Permit

6. Electronic Reporting Regulations (Chapter 30, Division 3 of Title 23 & Division 3 of Title 27, CCR) require electronic submission of any report or data required by a regulatory agency from a cleanup site. Submission dates are set by a Regional Water Board or by a regulatory agency. Once a report/data is successfully uploaded, as required, you have met the reporting requirement (i.e. the compliance measure for electronic submittals is the actual upload itself). The upload date should be on or prior to the regulatory due date.

7. NOTE:

Under California laws, the owner/operator are responsible for reporting the contamination to the governmental regulatory agencies under Section 25295(a). The owner/operator is liable for civil penalties under Section 25299(a)(4) and criminal penalties under Section 25299(d) for failure to report a leak. The owner/operator is liable for civil penalties under Section 25299(b)(4) for knowing failure to ensure compliance with the law by the operator. These penalty provisions do not apply to a potential buyer.

8. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

9. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.



Lita Freeman <litafreeman@gmail.com>

Alameda County Well Permit Approval Notification

4 messages

wells@acpwa.org <wells@acpwa.org>
To: litafreeman@gmail.com
Cc: litafreeman@gmail.com, basicsenvironmental@gmail.com

Tue, Jun 27, 2017 at 9:09 AM

Thank you for your Online Request for Wells Permits.
Your Application Id is: 1497656905751
Application submitted on: 06/16/2017
Project Site City/Location: Oakland / 4200 International Blvd
Project Start Date: 06/29/2017 **Completion Date:** 06/29/2017

Your Permit Application has been approved.
Permit Number(s) Issued: W2017-0530 Valid from 06/29/2017 to 06/29/2017

Inspection is REQUIRED.

To avoid possible delay of your project, you must contact your assigned inspector, Marcelino Vialpando at Marcelino@acpwa.org or (510) 670-5760, no later than 5 days before the Project Start Date listed on your permit to schedule your inspection.


The attached PDF file serves as your receipt and permit(s), please print for your record.
Note: You need to have the free [Adobe Reader](#) to open the pdf file.

Conditions of Permit:

Please follow instructions stated on our website.
In addition, you must comply with all specific conditions listed in your permit.

If you need further assistance regarding your permit, please visit our website at: <http://www.acgov.org/pwa/wells/> or contact us at wells@acpwa.org, and include your application id number.

Thank you,
Public Works Agency-Water Resources

 **1497656905751.pdf**
31K

Lita Freeman <litafreeman@gmail.com>
To: "Yoo, James" <jamesy@acpwa.org>, Marcelino Vialpando <marcelino@acpwa.org>

Tue, Jun 27, 2017 at 10:01 AM

Hi James and Marcelino

I need to postpone this project - client requested drilling after July 4th holiday

I have another driller available for July 10 - Gulfshore Construction Services - C57# 964224

Can we change driller and date of inspection? Sorry for the change

Lita

[Quoted text hidden]

Vialpando, Marcelino <Marcelino@acpwa.org>

Wed, Jun 28, 2017 at 8:52 AM

To: Lita Freeman <litafreeman@gmail.com>, "Yoo, James" <jamesy@acpwa.org>

Lita,

I have adjusted the permit to reflect the new driller and have changed your inspection date to 7/10. As usual, please call my cellphone an hour before you will be ready for inspection or if anything should change. What time do you anticipate being ready for inspection and will the drilling method remain the same as before (direct push)? Thank you.

Marcelino Vialpando

PWA Tech I

Alameda County Public Works Agency

Water Resources Section

399 Elmhurst Street

Hayward, CA 94544

O: (510) 670-5760

C: (510) 209-9724

marcelino@acpwa.org

www.acgov.org/pwa/wells

From: Lita Freeman [mailto:litafreeman@gmail.com]

Sent: Tuesday, June 27, 2017 10:02 AM

To: Yoo, James <jamesy@acpwa.org>; Vialpando, Marcelino <Marcelino@acpwa.org>

Subject: Re: Alameda County Well Permit Approval Notification

[Quoted text hidden]

Lita Freeman <litafreeman@gmail.com>

Wed, Jul 5, 2017 at 7:57 AM

To: "Vialpando, Marcelino" <Marcelino@acpwa.org>

Cc: "Yoo, James" <jamesy@acpwa.org>

Hi Marcelino

APPENDIX D

Soil Boring Logs

PROJECT:
4200 International Boulevard, Oakland, California

Log of Boring SB-1

PAGE 1 OF 1

Boring location: See Figure 2

Logged by:

Date started: 7/10/17

Date finished: 7/10/17

Lita Freeman

Drilling method: Direct Push GeoProbe 5410

Hammer weight/drop: NA

Hammer type: NA

LABORATORY TEST DATA

Sampler: Rick-GS Exploration/Lita Freeman-ERA

DEPTH (feet)	SAMPLES				LITHOLOGY	MATERIAL DESCRIPTION	Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
	Sampler Type	Sample	Blows/ 6"	SPT N-Value ¹								
Ground Surface Elevation: NM feet ²												
1					CH/ CL	Silty Clay (CH/CL), Yellow Brown (10 YR 5/8), moderate plasticity, stiff, dry						
2	0.0											
3												
4												
5	0.0					-some fine-grained sand and fine-grained gravel at 5 feet bgs						
6					GC	Clayey Gravel (GC), Yellow Brown (10 YR 5/8), fine-grained to medium-grained subangular to subrounded gravel, some fine-grained to coarse-grained sand, medium dense, moist						
7												
8												
9												
10	0.0											
11												
12					SC	Clayey Sand (SC), Yellow Brown (10 YR 5/8), fine-grained to coarse-grained sand, some fine-grained to medium-grained subangular to subrounded gravel, medium dense, dry						
13												
14					CH/ CL	Sandy Clay (CH/CL), Yellow Brown (10 YR 5/8), moderate plasticity, fine-grained to coarse-grained sand, dry						
15	0.0											
16												
17												
18												
19												
20	0.0					-moist at 20 feet bgs						
21					SC	Clayey Sand (SC), Yellow Brown (10 YR 5/8), fine-grained to coarse-grained sand, medium dense, wet						
22						-saturated at 22.5 feet bgs						
23												
24												
25						Bottom of Boring = 24 feet below ground surface						
26						= Groundwater Surface						
27						(elevation not measured)						
28												
29												
30												

Boring terminated at a depth of 24 feet below ground surface.
Boring backfilled with cement grout.
Groundwater encountered at a depth of 22.5 feet during drilling.



Project No.:
01-2017-500-004

Figure: D-1

PROJECT:
4200 International Boulevard, Oakland, California

Log of Boring SB-2

Boring location: See Figure 2

Logged by:

Date started: 7/10/17

Date finished: 7/10/17

Lita Freeman

Drilling method: Direct Push GeoProbe 5410

Hammer weight/drop: NA

Hammer type: NA

LABORATORY TEST DATA

Sampler: Rick-GS Exploration/Lita Freeman-ERA

DEPTH (feet)	SAMPLES				LITHOLOGY	MATERIAL DESCRIPTION	Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
	Sampler Type	Sample	Blows/ 6"	SPT N-Value ¹								
Ground Surface Elevation: NM feet ²												
1					CH/ CL	Asphalt (4 inches) / Baserock (3 inches) Silty Clay (CH/CL), Gray Brown (2.5 Y 4/2), moderate plasticity, medium stiff, dry						
2	0.0											
3												
4						-color change to Yellow Brown (10 YR 5/8) at 4 feet bgs						
5	0.0				CH/ CL	Gravelly Clay (CH/CL), Yellow Brown (10 YR 5/8), moderate plasticity, fine-grained gravel, some fine-grained to coarse- grained sand, medium stiff, dry						
6					CH/ CL	Silty Clay (CH/CL), Yellow Brown (10 YR 5/8), moderate plasticity, medium stiff, some red mottling, dry						
7												
8												
9												
10	0.0											
11					SC	Clayey Sand (SC), Yellow Brown (10 YR 5/8), fine-grained to medium-grained sand, some fine-grained to medium-grained subangular to subrounded gravel, medium dense, dry						
12												
13												
14												
15	0.0											
16												
17												
18												
19												
20	0.0					-becomes dense at 20 feet bgs and hard drilling, moist						
21						-becomes very dense at 22 feet bgs and very hard drilling; wet						
22												
23												
24						-refusal at 24 feet bgs						
25						Bottom of Boring = 24 feet below ground surface						
26												
27												
28												
29												
30												

Boring terminated at a depth of 24 feet below ground surface.
Boring backfilled with cement grout.
Groundwater encountered at a depth of NE feet during drilling.



Project No.:
01-2017-500-004

Figure: D-2

PROJECT:
4200 International Boulevard, Oakland, California

Log of Boring SB-3

Boring location: See Figure 2

Logged by:

Date started: 7/10/17

Date finished: 7/10/17

Lita Freeman

Drilling method: Direct Push GeoProbe 5410

Hammer weight/drop: NA

Hammer type: NA

LABORATORY TEST DATA

Sampler: Rick-GS Exploration/Lita Freeman-ERA

DEPTH (feet)	SAMPLES				LITHOLOGY	MATERIAL DESCRIPTION	Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
	Sampler Type	Sample	Blows/ 6"	SPT N-Value ¹								
Ground Surface Elevation: NM feet ²												
1					CH/ CL	Asphalt (4 inches) / Baserock (3 inches) Silty Clay (CH/CL), Gray Brown (2.5 Y 4/2), moderate plasticity, medium stiff, dry -color change to Black (N 2.5) at 1.5 feet bgs, possible petroleum hydrocarbon staining, slight petroleum hydrocarbon odor						
2	1.0											
3												
4												
5	0.0											
6												
7												
8					CH/ CL	Gravelly Clay (CH/CL), Yellow Brown (10 YR 5/8), moderate plasticity, fine-grained gravel, some fine-grained to coarse-grained sand, some red mottling, medium stiff, dry						
9												
10	0.0											
11												
12												
13					CH/ CL	Silty Clay (CH/CL), Yellow Brown (10 YR 5/8), moderate plasticity, medium stiff, dry						
14												
15	0.0											
16												
17					CH/ CL	Gravelly Clay (CH/CL), Yellow Brown (10 YR 5/8), moderate plasticity, fine-grained gravel, some fine-grained to coarse-grained sand, some red mottling, stiff, dry						
18												
19												
20	0.0					-becomes very stiff at 20 feet bgs and very hard drilling; moist -refusal at 21 feet bgs						
21						Bottom of Boring = 21 feet below ground surface						
22												
23												
24												
25												
26												
27												
28												
29												
30												

Boring terminated at a depth of 21 feet below ground surface.
Boring backfilled with cement grout.
Groundwater encountered at a depth of NE feet during drilling.



Project No.:
01-2017-500-004

Figure: D-3

PROJECT:
4200 International Boulevard, Oakland, California

Log of Boring SB-4

PAGE 1 OF 1

Boring location: See Figure 2

Logged by:

Date started: 7/10/17

Date finished: 7/10/17

Lita Freeman

Drilling method: Direct Push GeoProbe 5410

Hammer weight/drop: NA

Hammer type: NA

LABORATORY TEST DATA

Sampler: Rick-GS Exploration/Lita Freeman-ERA

DEPTH (feet)	SAMPLES				LITHOLOGY	MATERIAL DESCRIPTION	Type of Strength Test	Confining Pressure Lbs/Sq Ft	Shear Strength Lbs/Sq Ft	Fines %	Natural Moisture Content, %	Dry Density Lbs/Cu Ft
	Sampler Type	Sample	Blows/ 6"	SPT N-Value ¹								
Ground Surface Elevation: NM feet ²												
1					CH/ CL	Asphalt (4 inches) / Baserock (3 inches)						
2	0.0					Silty Clay (CH/CL), Yellow Brown (10 YR 5/8), moderate plasticity, medium stiff, dry -color change to Black (N 2.5) at 1.5 feet bgs, possible petroleum hydrocarbon staining, slight petroleum hydrocarbon odor						
3												
4												
5	0.0					-color change to Gray Brown (2.5 Y 4/2) at 5 feet bgs						
6						-color change to Yellow Brown (10 YR 5/8) at 6.5 feet bgs						
7												
8												
9												
10	0.0				CH/ CL	Gravelly Clay (CH/CL), moderate plasticity, fine-grained gravel, some fine-grained to coarse-grained sand, some red mottling, medium stiff, dry						
11												
12												
13												
14												
15	0.0											
16					CH/ CL	Silty Clay (CH/CL), Yellow Brown (10 YR 5/8), moderate plasticity, medium stiff, dry						
17												
18												
19												
20	0.0				CH/ CL	Sandy Clay (CH/CL), Yellow Brown (10 YR 5/8), moderate plasticity, fine-grained to coarse-grained sand, some red mottling, dry -becomes very dense at 20 feet bgs and hard drilling, moist -wet at 21 feet bgs; refusal at 21 feet bgs						
21						Bottom of Boring = 21 feet below ground surface						
22												
23												
24												
25												
26												
27												
28												
29												
30												

Boring terminated at a depth of 21 feet below ground surface.
Boring backfilled with cement grout.
Groundwater encountered at a depth of NE feet during drilling.



Project No.:
01-2017-500-004

Figure: D-4

APPENDIX E

Laboratory Analytical Report and
Chain-of-Custody Documentation



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

18 July 2017

Lita Freeman
Basics Environmental, Inc.
655 12th Street, Suite 126
Oakland, CA 94607
RE: International Blvd, Oakland

Enclosed are the results of analyses for samples received by the laboratory on 07/12/17 10:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Rose Fasheh
Project Manager



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

Basics Environmental, Inc.
 655 12th Street, Suite 126
 Oakland CA, 94607

Project: International Blvd, Oakland
 Project Number: [none]
 Project Manager: Lita Freeman

Reported:
 07/18/17 16:46

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-1-2	T171810-01	Soil	07/11/17 07:40	07/12/17 10:30
SB-1-GW	T171810-06	Water	07/11/17 09:00	07/12/17 10:30
SB-2-2	T171810-07	Soil	07/11/17 09:45	07/12/17 10:30
SB-2-20.5	T171810-11	Soil	07/11/17 10:55	07/12/17 10:30
SB-3-2	T171810-12	Soil	07/11/17 11:40	07/12/17 10:30
SB-3-20	T171810-16	Soil	07/11/17 12:20	07/12/17 10:30
SB-4-2	T171810-17	Soil	07/11/17 13:10	07/12/17 10:30
SB-4-20	T171810-21	Soil	07/11/17 13:50	07/12/17 10:30

SunStar Laboratories, Inc.

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

Rose Fasheh, Project Manager

Basics Environmental, Inc.
655 12th Street, Suite 126
Oakland CA, 94607

Project: International Blvd, Oakland
Project Number: [none]
Project Manager: Lita Freeman

Reported:
07/18/17 16:46

DETECTIONS SUMMARY

Sample ID: SB-1-2

Laboratory ID: T171810-01

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
C29-C40 (MORO)	54	10	mg/kg	EPA 8015B	
Chromium	33	2.0	mg/kg	EPA 6010B	
Lead	86	3.0	mg/kg	EPA 6010B	
Nickel	42	2.0	mg/kg	EPA 6010B	
Zinc	80	1.0	mg/kg	EPA 6010B	

Sample ID: SB-1-GW

Laboratory ID: T171810-06

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Chloroform	1.4	0.20	ug/l	EPA 8260B	
Tetrachloroethene	4.7	0.20	ug/l	EPA 8260B	
Trichloroethene	2.0	0.20	ug/l	EPA 8260B	

Sample ID: SB-2-2

Laboratory ID: T171810-07

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Chromium	30	2.0	mg/kg	EPA 6010B	
Nickel	40	2.0	mg/kg	EPA 6010B	
Zinc	25	1.0	mg/kg	EPA 6010B	

Sample ID: SB-2-20.5

Laboratory ID: T171810-11

No Results Detected

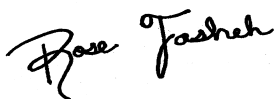
Sample ID: SB-3-2

Laboratory ID: T171810-12

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
Chromium	26	2.0	mg/kg	EPA 6010B	

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Rose Fasheh, Project Manager

Basics Environmental, Inc.
655 12th Street, Suite 126
Oakland CA, 94607

Project: International Blvd, Oakland
Project Number: [none]
Project Manager: Lita Freeman

Reported:
07/18/17 16:46

Sample ID: SB-3-2

Laboratory ID: T171810-12

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Nickel	31	2.0		mg/kg	EPA 6010B	
Zinc	25	1.0		mg/kg	EPA 6010B	

Sample ID: SB-3-20

Laboratory ID: T171810-16

No Results Detected

Sample ID: SB-4-2

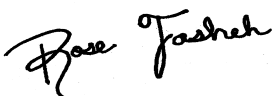
Laboratory ID: T171810-17

Analyte	Result	Reporting		Units	Method	Notes
		Limit				
Chromium	24	2.0		mg/kg	EPA 6010B	
Lead	22	3.0		mg/kg	EPA 6010B	
Nickel	34	2.0		mg/kg	EPA 6010B	
Zinc	41	1.0		mg/kg	EPA 6010B	

Sample ID: SB-4-20

Laboratory ID: T171810-21

No Results Detected



Basics Environmental, Inc.
655 12th Street, Suite 126
Oakland CA, 94607

Project: International Blvd, Oakland
Project Number: [none]
Project Manager: Lita Freeman

Reported:
07/18/17 16:46

SB-1-2
T171810-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Purgeable Petroleum Hydrocarbons by EPA 8015B

C6-C12 (GRO)	ND	500	ug/kg	1	7071230	07/12/17	07/12/17	EPA 8015B	
Surrogate: 4-Bromofluorobenzene		117 %	65-135		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015B

Kerosene	ND	10	mg/kg	1	7071229	07/12/17	07/13/17	EPA 8015B	
Bunker Oil	ND	10	"	"	"	"	"	"	
Stoddard Solvent	ND	10	"	"	"	"	"	"	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	54	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		99.1 %	65-135		"	"	"	"	

Metals by EPA 6010B

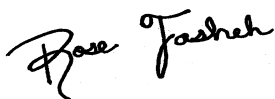
Cadmium	ND	2.0	mg/kg	1	7071237	07/12/17	07/13/17	EPA 6010B	
Chromium	33	2.0	"	"	"	"	"	"	
Lead	86	3.0	"	"	"	"	"	"	
Nickel	42	2.0	"	"	"	"	"	"	
Zinc	80	1.0	"	"	"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	5.0	ug/kg	1	7071211	07/12/17	07/12/17	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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



Rose Fasheh, Project Manager

Basics Environmental, Inc.
655 12th Street, Suite 126
Oakland CA, 94607

Project: International Blvd, Oakland
Project Number: [none]
Project Manager: Lita Freeman

Reported:
07/18/17 16:46

SB-1-2
T171810-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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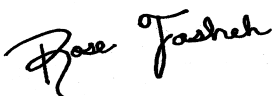
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Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4-Chlorotoluene	ND	5.0	ug/kg	1	7071211	07/12/17	07/12/17	EPA 8260B	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager



25712 Commercentre Drive
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Basics Environmental, Inc. 655 12th Street, Suite 126 Oakland CA, 94607	Project: International Blvd, Oakland Project Number: [none] Project Manager: Lita Freeman	Reported: 07/18/17 16:46
---	---	-----------------------------

SB-1-2
T171810-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1,2-Trichloroethane	ND	5.0	ug/kg	1	7071211	07/12/17	07/12/17	EPA 8260B	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82.0 %	81.2-123		"	"	"	"	
Surrogate: Dibromofluoromethane		107 %	95.7-135		"	"	"	"	
Surrogate: Toluene-d8		118 %	85.5-116		"	"	"	"	S-GC

SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager

Basics Environmental, Inc.
655 12th Street, Suite 126
Oakland CA, 94607

Project: International Blvd, Oakland
Project Number: [none]
Project Manager: Lita Freeman

Reported:
07/18/17 16:46

SB-1-GW
T171810-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Purgeable Petroleum Hydrocarbons by EPA 8015B

C6-C12 (GRO)	ND	50	ug/l	1	7071232	07/12/17	07/12/17	EPA 8015B	
Surrogate: 4-Bromofluorobenzene		84.6 %	65-135		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015B

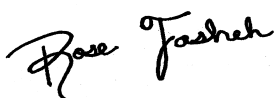
Stoddard Solvent	ND	0.050	mg/l	1	7071315	07/13/17	07/13/17	EPA 8015B	
Bunker Oil	ND	0.050	"	"	"	"	"	"	
Kerosene	ND	0.050	"	"	"	"	"	"	
C13-C28 (DRO)	ND	0.050	"	"	"	"	"	"	
C29-C40 (MORO)	ND	0.10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		76.8 %	65-135		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	0.20	ug/l	1	7071231	07/12/17	07/14/17	EPA 8260B	
Bromochloromethane	ND	0.20	"	"	"	"	"	"	
Bromodichloromethane	ND	0.20	"	"	"	"	"	"	
Bromoform	ND	0.20	"	"	"	"	"	"	
Bromomethane	ND	0.20	"	"	"	"	"	"	
n-Butylbenzene	ND	0.20	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.20	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.20	"	"	"	"	"	"	
Carbon tetrachloride	ND	0.10	"	"	"	"	"	"	
Chlorobenzene	ND	0.20	"	"	"	"	"	"	
Chloroethane	ND	0.20	"	"	"	"	"	"	
Chloroform	1.4	0.20	"	"	"	"	"	"	
Chloromethane	ND	0.20	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.20	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.20	"	"	"	"	"	"	
Dibromochloromethane	ND	0.20	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.20	"	"	"	"	"	"	
Dibromomethane	ND	0.20	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.20	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.20	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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



Rose Fasheh, Project Manager



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

Basics Environmental, Inc. 655 12th Street, Suite 126 Oakland CA, 94607	Project: International Blvd, Oakland Project Number: [none] Project Manager: Lita Freeman	Reported: 07/18/17 16:46
---	---	-----------------------------

SB-1-GW
T171810-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
---------	--------	-----------------	-------	----------	-------	----------	----------	--------	-------

SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,4-Dichlorobenzene	ND	0.20	ug/l	1	7071231	07/12/17	07/14/17	EPA 8260B	
Dichlorodifluoromethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.20	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.10	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.20	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.20	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.20	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.20	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.20	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.20	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.20	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.10	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.20	"	"	"	"	"	"	
Isopropylbenzene	ND	0.20	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.20	"	"	"	"	"	"	
Methylene chloride	ND	0.20	"	"	"	"	"	"	
Naphthalene	ND	0.20	"	"	"	"	"	"	
n-Propylbenzene	ND	0.20	"	"	"	"	"	"	
Styrene	ND	0.20	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.20	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.20	"	"	"	"	"	"	
Tetrachloroethene	4.7	0.20	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.20	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.20	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.20	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.20	"	"	"	"	"	"	
Trichloroethene	2.0	0.20	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.20	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.20	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.20	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.20	"	"	"	"	"	"	

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Rose Fasheh, Project Manager



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Basics Environmental, Inc. 655 12th Street, Suite 126 Oakland CA, 94607	Project: International Blvd, Oakland Project Number: [none] Project Manager: Lita Freeman	Reported: 07/18/17 16:46
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SB-1-GW
T171810-06 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride	ND	0.20	ug/l	1	7071231	07/12/17	07/14/17	EPA 8260B	
Benzene	ND	0.10	"	"	"	"	"	"	
Toluene	ND	0.10	"	"	"	"	"	"	
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
m,p-Xylene	ND	0.20	"	"	"	"	"	"	
o-Xylene	ND	0.10	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		63.8 %	83.5-119		"	"	"	"	S-GC
Surrogate: Dibromofluoromethane		137 %	81-136		"	"	"	"	S-GC
Surrogate: Toluene-d8		96.8 %	88.8-117		"	"	"	"	

SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager

Basics Environmental, Inc.
655 12th Street, Suite 126
Oakland CA, 94607

Project: International Blvd, Oakland
Project Number: [none]
Project Manager: Lita Freeman

Reported:
07/18/17 16:46

SB-2-2
T171810-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Purgeable Petroleum Hydrocarbons by EPA 8015B

C6-C12 (GRO)	ND	500	ug/kg	1	7071230	07/12/17	07/12/17	EPA 8015B	
Surrogate: 4-Bromofluorobenzene		110 %	65-135		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015B

Stoddard Solvent	ND	10	mg/kg	1	7071229	07/12/17	07/13/17	EPA 8015B	
Kerosene	ND	10	"	"	"	"	"	"	
Bunker Oil	ND	10	"	"	"	"	"	"	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		107 %	65-135		"	"	"	"	

Metals by EPA 6010B

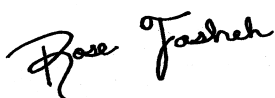
Cadmium	ND	2.0	mg/kg	1	7071237	07/12/17	07/13/17	EPA 6010B	
Chromium	30	2.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Nickel	40	2.0	"	"	"	"	"	"	
Zinc	25	1.0	"	"	"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	5.0	ug/kg	1	7071211	07/12/17	07/12/17	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	

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Rose Fasheh, Project Manager

Basics Environmental, Inc.
655 12th Street, Suite 126
Oakland CA, 94607

Project: International Blvd, Oakland
Project Number: [none]
Project Manager: Lita Freeman

Reported:
07/18/17 16:46

SB-2-2
T171810-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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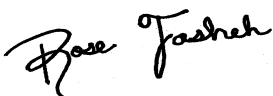
SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4-Chlorotoluene	ND	5.0	ug/kg	1	7071211	07/12/17	07/12/17	EPA 8260B	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	

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Rose Fasheh, Project Manager



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SB-2-2
T171810-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1,2-Trichloroethane	ND	5.0	ug/kg	1	7071211	07/12/17	07/12/17	EPA 8260B	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		85.1 %		81.2-123	"	"	"	"	
Surrogate: Dibromofluoromethane		122 %		95.7-135	"	"	"	"	
Surrogate: Toluene-d8		127 %		85.5-116	"	"	"	"	S-GC

SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager



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SB-2-20.5
T171810-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Purgeable Petroleum Hydrocarbons by EPA 8015B

C6-C12 (GRO)	ND	500	ug/kg	1	7071230	07/12/17	07/12/17	EPA 8015B	
<i>Surrogate: 4-Bromofluorobenzene</i>		90.3 %	65-135		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015B

Stoddard Solvent	ND	10	mg/kg	1	7071229	07/12/17	07/13/17	EPA 8015B	
Bunker Oil	ND	10	"	"	"	"	"	"	
Kerosene	ND	10	"	"	"	"	"	"	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		97.6 %	65-135		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	5.0	ug/kg	1	7071211	07/12/17	07/12/17	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	

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Rose Fasheh, Project Manager

Basics Environmental, Inc.
655 12th Street, Suite 126
Oakland CA, 94607

Project: International Blvd, Oakland
Project Number: [none]
Project Manager: Lita Freeman

Reported:
07/18/17 16:46

SB-2-20.5
T171810-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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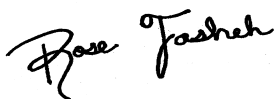
SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	5.0	ug/kg	1	7071211	07/12/17	07/12/17	EPA 8260B	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	

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Rose Fasheh, Project Manager



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Basics Environmental, Inc. 655 12th Street, Suite 126 Oakland CA, 94607	Project: International Blvd, Oakland Project Number: [none] Project Manager: Lita Freeman	Reported: 07/18/17 16:46
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SB-2-20.5
T171810-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride	ND	5.0	ug/kg	1	7071211	07/12/17	07/12/17	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		83.8 %	81.2-123		"	"	"	"	
Surrogate: Dibromofluoromethane		112 %	95.7-135		"	"	"	"	
Surrogate: Toluene-d8		104 %	85.5-116		"	"	"	"	

SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager



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Basics Environmental, Inc. 655 12th Street, Suite 126 Oakland CA, 94607	Project: International Blvd, Oakland Project Number: [none] Project Manager: Lita Freeman	Reported: 07/18/17 16:46
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SB-3-2
T171810-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Purgeable Petroleum Hydrocarbons by EPA 8015B

C6-C12 (GRO)	ND	500	ug/kg	1	7071230	07/12/17	07/12/17	EPA 8015B	
<i>Surrogate: 4-Bromofluorobenzene</i>		108 %	65-135		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015B

Kerosene	ND	10	mg/kg	1	7071229	07/12/17	07/13/17	EPA 8015B	
Bunker Oil	ND	10	"	"	"	"	"	"	
Stoddard Solvent	ND	10	"	"	"	"	"	"	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		99.5 %	65-135		"	"	"	"	

Metals by EPA 6010B

Cadmium	ND	2.0	mg/kg	1	7071237	07/12/17	07/13/17	EPA 6010B	
Chromium	26	2.0	"	"	"	"	"	"	
Lead	ND	3.0	"	"	"	"	"	"	
Nickel	31	2.0	"	"	"	"	"	"	
Zinc	25	1.0	"	"	"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	5.0	ug/kg	1	7071211	07/12/17	07/12/17	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager

Basics Environmental, Inc.
655 12th Street, Suite 126
Oakland CA, 94607

Project: International Blvd, Oakland
Project Number: [none]
Project Manager: Lita Freeman

Reported:
07/18/17 16:46

SB-3-2
T171810-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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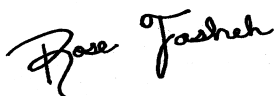
SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4-Chlorotoluene	ND	5.0	ug/kg	1	7071211	07/12/17	07/12/17	EPA 8260B	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	

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Rose Fasheh, Project Manager



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Basics Environmental, Inc. 655 12th Street, Suite 126 Oakland CA, 94607	Project: International Blvd, Oakland Project Number: [none] Project Manager: Lita Freeman	Reported: 07/18/17 16:46
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SB-3-2
T171810-12 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1,2-Trichloroethane	ND	5.0	ug/kg	1	7071211	07/12/17	07/12/17	EPA 8260B	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		85.8 %		81.2-123	"	"	"	"	
Surrogate: Dibromofluoromethane		125 %		95.7-135	"	"	"	"	
Surrogate: Toluene-d8		123 %		85.5-116	"	"	"	"	S-GC

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Rose Fasheh, Project Manager



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Basics Environmental, Inc. 655 12th Street, Suite 126 Oakland CA, 94607	Project: International Blvd, Oakland Project Number: [none] Project Manager: Lita Freeman	Reported: 07/18/17 16:46
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SB-3-20
T171810-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Purgeable Petroleum Hydrocarbons by EPA 8015B

C6-C12 (GRO)	ND	500	ug/kg	1	7071230	07/12/17	07/12/17	EPA 8015B	
<i>Surrogate: 4-Bromofluorobenzene</i>		74.8 %	65-135		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015B

Bunker Oil	ND	10	mg/kg	1	7071229	07/12/17	07/13/17	EPA 8015B	
Kerosene	ND	10	"	"	"	"	"	"	
Stoddard Solvent	ND	10	"	"	"	"	"	"	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		113 %	65-135		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	5.0	ug/kg	1	7071211	07/12/17	07/12/17	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager

Basics Environmental, Inc.
655 12th Street, Suite 126
Oakland CA, 94607

Project: International Blvd, Oakland
Project Number: [none]
Project Manager: Lita Freeman

Reported:
07/18/17 16:46

SB-3-20
T171810-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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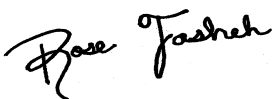
SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
1,4-Dichlorobenzene	ND	5.0	ug/kg	1	7071211	07/12/17	07/12/17	EPA 8260B
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"
Isopropylbenzene	ND	5.0	"	"	"	"	"	"
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"
Methylene chloride	ND	5.0	"	"	"	"	"	"
Naphthalene	ND	5.0	"	"	"	"	"	"
n-Propylbenzene	ND	5.0	"	"	"	"	"	"
Styrene	ND	5.0	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"
Tetrachloroethene	ND	5.0	"	"	"	"	"	"
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"
Trichloroethene	ND	5.0	"	"	"	"	"	"
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"

SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager



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Basics Environmental, Inc. 655 12th Street, Suite 126 Oakland CA, 94607	Project: International Blvd, Oakland Project Number: [none] Project Manager: Lita Freeman	Reported: 07/18/17 16:46
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SB-3-20
T171810-16 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride	ND	5.0	ug/kg	1	7071211	07/12/17	07/12/17	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		81.6 %	81.2-123		"	"	"	"	
Surrogate: Dibromofluoromethane		142 %	95.7-135		"	"	"	"	S-GC
Surrogate: Toluene-d8		155 %	85.5-116		"	"	"	"	S-GC

SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager

Basics Environmental, Inc.
655 12th Street, Suite 126
Oakland CA, 94607

Project: International Blvd, Oakland
Project Number: [none]
Project Manager: Lita Freeman

Reported:
07/18/17 16:46

SB-4-2
T171810-17 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Purgeable Petroleum Hydrocarbons by EPA 8015B

C6-C12 (GRO)	ND	500	ug/kg	1	7071230	07/12/17	07/12/17	EPA 8015B	
Surrogate: 4-Bromofluorobenzene		98.6 %	65-135		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015B

Bunker Oil	ND	10	mg/kg	1	7071229	07/12/17	07/13/17	EPA 8015B	
Kerosene	ND	10	"	"	"	"	"	"	
Stoddard Solvent	ND	10	"	"	"	"	"	"	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Surrogate: p-Terphenyl		113 %	65-135		"	"	"	"	

Metals by EPA 6010B

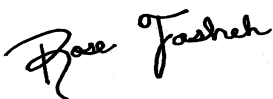
Cadmium	ND	2.0	mg/kg	1	7071237	07/12/17	07/13/17	EPA 6010B	
Chromium	24	2.0	"	"	"	"	"	"	
Lead	22	3.0	"	"	"	"	"	"	
Nickel	34	2.0	"	"	"	"	"	"	
Zinc	41	1.0	"	"	"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	5.0	ug/kg	1	7071211	07/12/17	07/12/17	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	

SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager

Basics Environmental, Inc.
655 12th Street, Suite 126
Oakland CA, 94607

Project: International Blvd, Oakland
Project Number: [none]
Project Manager: Lita Freeman

Reported:
07/18/17 16:46

SB-4-2
T171810-17 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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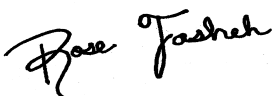
SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4-Chlorotoluene	ND	5.0	ug/kg	1	7071211	07/12/17	07/12/17	EPA 8260B	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	

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Rose Fasheh, Project Manager



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Basics Environmental, Inc. 655 12th Street, Suite 126 Oakland CA, 94607	Project: International Blvd, Oakland Project Number: [none] Project Manager: Lita Freeman	Reported: 07/18/17 16:46
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SB-4-2
T171810-17 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

1,1,2-Trichloroethane	ND	5.0	ug/kg	1	7071211	07/12/17	07/12/17	EPA 8260B	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
Vinyl chloride	ND	5.0	"	"	"	"	"	"	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		77.6 %		81.2-123	"	"	"	"	S-GC
Surrogate: Dibromofluoromethane		118 %		95.7-135	"	"	"	"	
Surrogate: Toluene-d8		103 %		85.5-116	"	"	"	"	

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Rose Fasheh, Project Manager



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Basics Environmental, Inc. 655 12th Street, Suite 126 Oakland CA, 94607	Project: International Blvd, Oakland Project Number: [none] Project Manager: Lita Freeman	Reported: 07/18/17 16:46
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SB-4-20
T171810-21 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Purgeable Petroleum Hydrocarbons by EPA 8015B

C6-C12 (GRO)	ND	500	ug/kg	1	7071230	07/12/17	07/12/17	EPA 8015B	
<i>Surrogate: 4-Bromofluorobenzene</i>		76.7 %	65-135		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015B

Stoddard Solvent	ND	10	mg/kg	1	7071229	07/12/17	07/14/17	EPA 8015B	
Bunker Oil	ND	10	"	"	"	"	"	"	
Kerosene	ND	10	"	"	"	"	"	"	
C13-C28 (DRO)	ND	10	"	"	"	"	"	"	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
<i>Surrogate: p-Terphenyl</i>		110 %	65-135		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Bromobenzene	ND	5.0	ug/kg	1	7071211	07/12/17	07/12/17	EPA 8260B	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	5.0	"	"	"	"	"	"	
Bromoform	ND	5.0	"	"	"	"	"	"	
Bromomethane	ND	5.0	"	"	"	"	"	"	
n-Butylbenzene	ND	5.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	5.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	5.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	5.0	"	"	"	"	"	"	
Chlorobenzene	ND	5.0	"	"	"	"	"	"	
Chloroethane	ND	5.0	"	"	"	"	"	"	
Chloroform	ND	5.0	"	"	"	"	"	"	
Chloromethane	ND	5.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	5.0	"	"	"	"	"	"	
Dibromochloromethane	ND	5.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	10	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	5.0	"	"	"	"	"	"	
Dibromomethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	5.0	"	"	"	"	"	"	

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SB-4-20
T171810-21 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,4-Dichlorobenzene	ND	5.0	ug/kg	1	7071211	07/12/17	07/12/17	EPA 8260B	
Dichlorodifluoromethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	5.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	5.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	5.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	5.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	5.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	5.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	5.0	"	"	"	"	"	"	
Isopropylbenzene	ND	5.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	5.0	"	"	"	"	"	"	
Methylene chloride	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	5.0	"	"	"	"	"	"	
n-Propylbenzene	ND	5.0	"	"	"	"	"	"	
Styrene	ND	5.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	5.0	"	"	"	"	"	"	
Tetrachloroethene	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	5.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	5.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	5.0	"	"	"	"	"	"	
Trichloroethene	ND	5.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	5.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	5.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	5.0	"	"	"	"	"	"	

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SB-4-20
T171810-21 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Volatile Organic Compounds by EPA Method 8260B

Vinyl chloride	ND	5.0	ug/kg	1	7071211	07/12/17	07/12/17	EPA 8260B	
Benzene	ND	5.0	"	"	"	"	"	"	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		75.9 %	81.2-123		"	"	"	"	S-GC
Surrogate: Dibromofluoromethane		118 %	95.7-135		"	"	"	"	
Surrogate: Toluene-d8		110 %	85.5-116		"	"	"	"	

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Purgeable Petroleum Hydrocarbons by EPA 8015B - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7071230 - EPA 5030 GC

Blank (7071230-BLK1)		Prepared: 07/12/17 Analyzed: 07/13/17								
C6-C12 (GRO)	ND	500	ug/kg							
Surrogate: 4-Bromofluorobenzene	129		"	100		129	65-135			
LCS (7071230-BS1)		Prepared & Analyzed: 07/12/17								
C6-C12 (GRO)	10600	500	ug/kg	10900		97.6	75-125			
Surrogate: 4-Bromofluorobenzene	95.6		"	100		95.6	65-135			
LCS Dup (7071230-BSD1)		Prepared & Analyzed: 07/12/17								
C6-C12 (GRO)	10400	500	ug/kg	10900		95.3	75-125	2.20	20	
Surrogate: 4-Bromofluorobenzene	106		"	100		106	65-135			

Batch 7071232 - EPA 5030 GC

Blank (7071232-BLK1)		Prepared: 07/12/17 Analyzed: 07/13/17								
C6-C12 (GRO)	ND	50	ug/l							
Surrogate: 4-Bromofluorobenzene	83.9		"	100		83.9	65-135			
LCS (7071232-BS1)		Prepared & Analyzed: 07/12/17								
C6-C12 (GRO)	5320	50	ug/l	5500		96.8	75-125			
Surrogate: 4-Bromofluorobenzene	95.8		"	100		95.8	65-135			
LCS Dup (7071232-BSD1)		Prepared & Analyzed: 07/12/17								
C6-C12 (GRO)	5480	50	ug/l	5500		99.6	75-125	2.87	20	
Surrogate: 4-Bromofluorobenzene	95.1		"	100		95.1	65-135			

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Extractable Petroleum Hydrocarbons by 8015B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7071229 - EPA 3550B GC

Blank (7071229-BLK1)		Prepared: 07/12/17 Analyzed: 07/13/17								
C13-C28 (DRO)	ND	10	mg/kg							
C29-C40 (MORO)	ND	10	"							
Surrogate: <i>p</i> -Terphenyl	86.2		"	102		84.4	65-135			
LCS (7071229-BS1)		Prepared: 07/12/17 Analyzed: 07/14/17								
C13-C28 (DRO)	600	10	mg/kg	510		117	75-125			
Surrogate: <i>p</i> -Terphenyl	113		"	102		111	65-135			
Matrix Spike (7071229-MS1)		Source: T171810-17		Prepared: 07/12/17 Analyzed: 07/14/17						
C13-C28 (DRO)	620	10	mg/kg	495	ND	125	75-125			
Surrogate: <i>p</i> -Terphenyl	114		"	99.0		115	65-135			
Matrix Spike Dup (7071229-MSD1)		Source: T171810-17		Prepared: 07/12/17 Analyzed: 07/14/17						
C13-C28 (DRO)	690	10	mg/kg	490	ND	141	75-125	11.5	20	QM-07
Surrogate: <i>p</i> -Terphenyl	107		"	98.0		109	65-135			

Batch 7071315 - EPA 3510C GC

Blank (7071315-BLK1)		Prepared & Analyzed: 07/13/17								
C13-C28 (DRO)	ND	0.050	mg/l							
C29-C40 (MORO)	ND	0.10	"							
Surrogate: <i>p</i> -Terphenyl	2.63		"	4.00		65.8	65-135			
LCS (7071315-BS1)		Prepared & Analyzed: 07/13/17								
C13-C28 (DRO)	20.3	0.050	mg/l	20.0		102	75-125			
Surrogate: <i>p</i> -Terphenyl	3.07		"	4.00		76.7	65-135			

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Rose Fasheh, Project Manager

Basics Environmental, Inc.
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Project: International Blvd, Oakland
Project Number: [none]
Project Manager: Lita Freeman

Reported:
07/18/17 16:46

Extractable Petroleum Hydrocarbons by 8015B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7071315 - EPA 3510C GC

Matrix Spike (7071315-MS1)

Source: T171810-06

Prepared & Analyzed: 07/13/17

C13-C28 (DRO)	22.7	0.050	mg/l	20.0	ND	113	75-125			
Surrogate: <i>p</i> -Terphenyl	2.94		"	4.00		73.4	65-135			

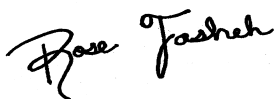
Matrix Spike Dup (7071315-MSD1)

Source: T171810-06

Prepared & Analyzed: 07/13/17

C13-C28 (DRO)	23.0	0.050	mg/l	20.0	ND	115	75-125	1.49	20	
Surrogate: <i>p</i> -Terphenyl	3.11		"	4.00		77.7	65-135			

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Metals by EPA 6010B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7071237 - EPA 3051

Blank (7071237-BLK1)

Prepared: 07/12/17 Analyzed: 07/13/17

Cadmium	ND	2.0	mg/kg							
Chromium	ND	2.0	"							
Lead	ND	3.0	"							
Nickel	ND	2.0	"							
Zinc	ND	1.0	"							

LCS (7071237-BS1)

Prepared: 07/12/17 Analyzed: 07/13/17

Cadmium	92.1	2.0	mg/kg	100		92.1	75-125			
Chromium	92.5	2.0	"	100		92.5	75-125			
Lead	95.0	3.0	"	100		95.0	75-125			

Matrix Spike (7071237-MS1)

Source: T171807-01

Prepared: 07/12/17 Analyzed: 07/13/17

Cadmium	82.2	2.0	mg/kg	98.0	0.430	83.4	75-125			
Chromium	115	2.0	"	98.0	32.7	83.5	75-125			
Lead	118	3.0	"	98.0	41.5	78.0	75-125			

Matrix Spike Dup (7071237-MSD1)

Source: T171807-01

Prepared: 07/12/17 Analyzed: 07/13/17

Cadmium	75.7	2.0	mg/kg	92.6	0.430	81.3	75-125	8.22	20	
Chromium	109	2.0	"	92.6	32.7	82.0	75-125	5.31	20	
Lead	115	3.0	"	92.6	41.5	79.1	75-125	2.80	20	

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7071211 - EPA 5030 GCMS

Blank (7071211-BLK1)

Prepared & Analyzed: 07/12/17

Bromobenzene	ND	5.0	ug/kg
Bromochloromethane	ND	5.0	"
Bromodichloromethane	ND	5.0	"
Bromoform	ND	5.0	"
Bromomethane	ND	5.0	"
n-Butylbenzene	ND	5.0	"
sec-Butylbenzene	ND	5.0	"
tert-Butylbenzene	ND	5.0	"
Carbon tetrachloride	ND	5.0	"
Chlorobenzene	ND	5.0	"
Chloroethane	ND	5.0	"
Chloroform	ND	5.0	"
Chloromethane	ND	5.0	"
2-Chlorotoluene	ND	5.0	"
4-Chlorotoluene	ND	5.0	"
Dibromochloromethane	ND	5.0	"
1,2-Dibromo-3-chloropropane	ND	10	"
1,2-Dibromoethane (EDB)	ND	5.0	"
Dibromomethane	ND	5.0	"
1,2-Dichlorobenzene	ND	5.0	"
1,3-Dichlorobenzene	ND	5.0	"
1,4-Dichlorobenzene	ND	5.0	"
Dichlorodifluoromethane	ND	5.0	"
1,1-Dichloroethane	ND	5.0	"
1,2-Dichloroethane	ND	5.0	"
1,1-Dichloroethene	ND	5.0	"
cis-1,2-Dichloroethene	ND	5.0	"
trans-1,2-Dichloroethene	ND	5.0	"
1,2-Dichloropropane	ND	5.0	"
1,3-Dichloropropane	ND	5.0	"
2,2-Dichloropropane	ND	5.0	"
1,1-Dichloropropene	ND	5.0	"
cis-1,3-Dichloropropene	ND	5.0	"
trans-1,3-Dichloropropene	ND	5.0	"
Hexachlorobutadiene	ND	5.0	"
Isopropylbenzene	ND	5.0	"

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7071211 - EPA 5030 GCMS

Blank (7071211-BLK1)

Prepared & Analyzed: 07/12/17

p-Isopropyltoluene	ND	5.0	ug/kg							
Methylene chloride	ND	5.0	"							
Naphthalene	ND	5.0	"							
n-Propylbenzene	ND	5.0	"							
Styrene	ND	5.0	"							
1,1,2,2-Tetrachloroethane	ND	5.0	"							
1,1,1,2-Tetrachloroethane	ND	5.0	"							
Tetrachloroethene	ND	5.0	"							
1,2,3-Trichlorobenzene	ND	5.0	"							
1,2,4-Trichlorobenzene	ND	5.0	"							
1,1,2-Trichloroethane	ND	5.0	"							
1,1,1-Trichloroethane	ND	5.0	"							
Trichloroethene	ND	5.0	"							
Trichlorofluoromethane	ND	5.0	"							
1,2,3-Trichloropropane	ND	5.0	"							
1,3,5-Trimethylbenzene	ND	5.0	"							
1,2,4-Trimethylbenzene	ND	5.0	"							
Vinyl chloride	ND	5.0	"							
Benzene	ND	5.0	"							
Toluene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
m,p-Xylene	ND	10	"							
o-Xylene	ND	5.0	"							
Surrogate: 4-Bromofluorobenzene	27.0		"	39.6		68.2	81.2-123			S-GC
Surrogate: Dibromofluoromethane	40.0		"	39.6		101	95.7-135			
Surrogate: Toluene-d8	40.3		"	39.6		102	85.5-116			

LCS (7071211-BS1)

Prepared & Analyzed: 07/12/17

Chlorobenzene	113	5.0	ug/kg	100		113	75-125			
1,1-Dichloroethene	101	5.0	"	100		101	75-125			
Trichloroethene	92.4	5.0	"	100		92.4	75-125			
Benzene	87.0	5.0	"	100		87.0	75-125			
Toluene	91.6	5.0	"	100		91.6	75-125			
Surrogate: 4-Bromofluorobenzene	45.2		"	40.0		113	81.2-123			
Surrogate: Dibromofluoromethane	39.1		"	40.0		97.8	95.7-135			
Surrogate: Toluene-d8	35.2		"	40.0		88.1	85.5-116			

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7071211 - EPA 5030 GCMS

LCS Dup (7071211-BSD1)

Prepared & Analyzed: 07/12/17

Chlorobenzene	112	5.0	ug/kg	100	112	75-125	1.24	20		
1,1-Dichloroethene	97.8	5.0	"	100	97.8	75-125	3.22	20		
Trichloroethene	93.9	5.0	"	100	93.9	75-125	1.56	20		
Benzene	87.7	5.0	"	100	87.7	75-125	0.859	20		
Toluene	92.6	5.0	"	100	92.6	75-125	1.19	20		
Surrogate: 4-Bromofluorobenzene	43.0		"	40.0	108	81.2-123				
Surrogate: Dibromofluoromethane	42.2		"	40.0	105	95.7-135				
Surrogate: Toluene-d8	35.4		"	40.0	88.5	85.5-116				

Batch 7071231 - EPA 5030 GCMS

Blank (7071231-BLK1)

Prepared: 07/12/17 Analyzed: 07/13/17

Bromobenzene	ND	0.20	ug/l							
Bromochloromethane	ND	0.20	"							
Bromodichloromethane	ND	0.20	"							
Bromoform	ND	0.20	"							
Bromomethane	ND	0.20	"							
n-Butylbenzene	ND	0.20	"							
sec-Butylbenzene	ND	0.20	"							
tert-Butylbenzene	ND	0.20	"							
Carbon tetrachloride	ND	0.10	"							
Chlorobenzene	ND	0.20	"							
Chloroethane	ND	0.20	"							
Chloroform	ND	0.20	"							
Chloromethane	ND	0.20	"							
2-Chlorotoluene	ND	0.20	"							
4-Chlorotoluene	ND	0.20	"							
Dibromochloromethane	ND	0.20	"							
1,2-Dibromo-3-chloropropane	ND	1.0	"							
1,2-Dibromoethane (EDB)	ND	0.20	"							
Dibromomethane	ND	0.20	"							
1,2-Dichlorobenzene	ND	0.20	"							
1,3-Dichlorobenzene	ND	0.20	"							
1,4-Dichlorobenzene	ND	0.20	"							
Dichlorodifluoromethane	ND	0.10	"							
1,1-Dichloroethane	ND	0.20	"							

SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager



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

Basics Environmental, Inc. 655 12th Street, Suite 126 Oakland CA, 94607	Project: International Blvd, Oakland Project Number: [none] Project Manager: Lita Freeman	Reported: 07/18/17 16:46
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Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7071231 - EPA 5030 GCMS

Blank (7071231-BLK1)

Prepared: 07/12/17 Analyzed: 07/13/17

1,2-Dichloroethane	ND	0.10	ug/l							
1,1-Dichloroethene	ND	0.20	"							
cis-1,2-Dichloroethene	ND	0.20	"							
trans-1,2-Dichloroethene	ND	0.20	"							
1,2-Dichloropropane	ND	0.20	"							
1,3-Dichloropropane	ND	0.20	"							
2,2-Dichloropropane	ND	0.20	"							
1,1-Dichloropropene	ND	0.20	"							
cis-1,3-Dichloropropene	ND	0.10	"							
trans-1,3-Dichloropropene	ND	0.10	"							
Hexachlorobutadiene	ND	0.20	"							
Isopropylbenzene	ND	0.20	"							
p-Isopropyltoluene	ND	0.20	"							
Methylene chloride	ND	0.20	"							
Naphthalene	ND	0.20	"							
n-Propylbenzene	ND	0.20	"							
Styrene	ND	0.20	"							
1,1,2,2-Tetrachloroethane	ND	0.20	"							
1,1,1,2-Tetrachloroethane	ND	0.20	"							
Tetrachloroethene	ND	0.20	"							
1,2,3-Trichlorobenzene	ND	0.20	"							
1,2,4-Trichlorobenzene	ND	0.20	"							
1,1,2-Trichloroethane	ND	0.20	"							
1,1,1-Trichloroethane	ND	0.20	"							
Trichloroethene	ND	0.20	"							
Trichlorofluoromethane	ND	0.20	"							
1,2,3-Trichloropropane	ND	0.20	"							
1,3,5-Trimethylbenzene	ND	0.20	"							
1,2,4-Trimethylbenzene	ND	0.20	"							
Vinyl chloride	ND	0.20	"							
Benzene	ND	0.10	"							
Toluene	ND	0.10	"							
Ethylbenzene	ND	0.10	"							
m,p-Xylene	ND	0.20	"							
o-Xylene	ND	0.10	"							

SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager

Basics Environmental, Inc.
655 12th Street, Suite 126
Oakland CA, 94607

Project: International Blvd, Oakland
Project Number: [none]
Project Manager: Lita Freeman

Reported:
07/18/17 16:46

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 7071231 - EPA 5030 GCMS

Blank (7071231-BLK1)

Prepared: 07/12/17 Analyzed: 07/13/17

Surrogate: 4-Bromofluorobenzene	6.39		ug/l	8.00		79.9	83.5-119			S-GC
Surrogate: Dibromofluoromethane	8.21		"	8.00		103	81-136			
Surrogate: Toluene-d8	8.18		"	8.00		102	88.8-117			

LCS (7071231-BS1)

Prepared: 07/12/17 Analyzed: 07/13/17

Chlorobenzene	22.3	0.20	ug/l	20.0		112	75-125			
1,1-Dichloroethene	18.8	0.20	"	20.0		94.0	75-125			
Trichloroethene	15.4	0.20	"	20.0		77.2	75-125			
Benzene	15.8	0.10	"	20.0		79.2	75-125			
Toluene	15.1	0.10	"	20.0		75.4	75-125			
Surrogate: 4-Bromofluorobenzene	9.54		"	8.00		119	83.5-119			
Surrogate: Dibromofluoromethane	12.2		"	8.00		153	81-136			S-GC
Surrogate: Toluene-d8	6.55		"	8.00		81.9	88.8-117			S-GC

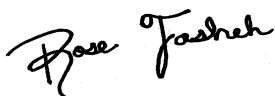
LCS Dup (7071231-BSD1)

Prepared: 07/12/17 Analyzed: 07/14/17

Chlorobenzene	18.8	0.20	ug/l	20.0		94.0	75-125	17.1	20	
1,1-Dichloroethene	17.8	0.20	"	20.0		89.0	75-125	5.41	20	
Trichloroethene	18.6	0.20	"	20.0		92.9	75-125	18.4	20	
Benzene	18.8	0.10	"	20.0		94.2	75-125	17.2	20	
Toluene	17.6	0.10	"	20.0		88.0	75-125	15.5	20	
Surrogate: 4-Bromofluorobenzene	9.05		"	8.00		113	83.5-119			
Surrogate: Dibromofluoromethane	11.2		"	8.00		140	81-136			S-GC
Surrogate: Toluene-d8	8.80		"	8.00		110	88.8-117			

SunStar Laboratories, Inc.

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Rose Fasheh, Project Manager



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

Basics Environmental, Inc.
655 12th Street, Suite 126
Oakland CA, 94607

Project: International Blvd, Oakland
Project Number: [none]
Project Manager: Lita Freeman

Reported:
07/18/17 16:46

Notes and Definitions

- S-GC Surrogate recovery outside of established control limits. The data was accepted based on valid recovery of the remaining surrogate(s).
- QM-07 The spike recovery and or RPD was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

SunStar Laboratories, Inc.

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

Rose Fasheh, Project Manager

Chain of Custody Record

Client: Basics Environmental
 Address: 655 12th Street, Ste 126, Palmdale, CA 94607
 Phone: 510-834-9099 Fax: _____
 Project Manager: Donovan Tom / Lita Freeman

Date: 7/10/17 Page: 1 Of 2
 Project Name: Western Blvd Oakland
 Collector: Lita Freeman Client Project #: _____
 Batch #: T171810 EDF #: _____

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel) - <u>MO-S-K-BO</u>	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	6020 ICP-MS Metals	<u>LUFTS METALS</u>	<u>Hold.</u>	Laboratory ID #	Comments/Preservative	Total # of containers
SB-1-2	7/10/17	0740	Soil	tube	X					X							01		1
SB-1-5.5	7/10/17	0745	Soil	tube						X							02		1
SB-1-10	7/10/17	0755	Soil	tube						X							03		1
SB-1-15	7/10/17	0805	Soil	tube						X							04		1
SB-1-20	7/10/17	0815	Soil	tube						X							05		1
SB-1-GW	7/10/17	0900	Water	VDAS						X							06		7
SB-2-2	7/10/17	0945	Soil	tube	X					X							07		1
SB-2-5	7/10/17	0950	Soil	tube						X							08		1
SB-2-10	7/10/17	1000	Soil	tube						X							09		1
SB-2-15	7/10/17	1015	Soil	tube						X							10		1
SB-2-20.5	7/10/17	1055	Soil	tube						X							11		1
SB-3-2	7/10/17	1140	Soil	tube	X					X							12		1
SB-3-5	7/10/17	1150	Soil	tube						X							13		1
SB-3-10	7/10/17	1205	Soil	tube						X							14		1
SB-3-15	7/10/17	1210	Soil	tube						X							15		1
Relinquished by: (signature) <u>Lita Freeman</u> 7/11/17 12:35			Received by: (signature) <u>Donovan Tom</u>	Date/Time	Total # of containers <u>21</u>														
Relinquished by: (signature) <u>GSO</u> 7-12-17 1030			Received by: (signature) <u>Lita Freeman</u> 7-12-17 1030	Date/Time	Chain of Custody seals <u>N/A</u> Seals intact? <u>N/A</u> Received good condition/cold <u>N/A</u>														

Sample disposal instructions: Disposal @ \$2.00 each _____ Return to client _____ Pickup _____
 Turn around time: 5 days
 Notes: Reported Basics Environmental@gmail.com Lita.Freeman@gmail.com
COC 160255

Rose Fasheh

T171810

From: Lita Freeman [litafreeman@gmail.com]
Sent: Tuesday, July 11, 2017 9:58 PM
To: Rose Fasheh; Bill Hannell
Subject: Samples for International Blvd, Oakland
Attachments: COC_IntlBlvd_Oakland.pdf

Hi Rose

Thanks for all your help yesterday - after all the discussion of how many VOAs per groundwater sample I was only able to get groundwater out of one hole.

So I spoke to Donovan today after I gave Bill the samples and we want to analyze the shallow and deepest soil samples from boring SB-2, SB-3, and SB-4 - only need shallow one from SB-1 since I was able to get groundwater from that one

Attached is updated COC

Thanks
lita

T171810



SunStar Laboratories, Inc.

Provisional Offices: Analytical Services Laboratory
25712 Commencement Drive, Lake Forest, CA 92630
949-297-5020

Chain of Custody Record

Client: Basics Environmental
Address: 655 17th Street, Ste 126, Oakland, CA 94607
Phone: 510-834-9094 Fax: _____
Project Manager: Doreen Tom/1/18/07

Date: 7/10/17 Page: 1 of 2
Project Name: Lafayette Blvd Oakland
Collector: Lisa Brown Client Project #: _____
Batch #: T171810 EDF #: _____

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	6020 ICP-MS Metals	LUTS metals	Hold	Laboratory ID #	Comments/Preservative	Total # of containers
SR-1-1	7/10/17	0740	SO1	Tube	X												01		1
SR-1-2	7/10/17	0745	SO1	Tube													02		1
SR-1-3	7/10/17	0755	SO1	Tube													03		1
SR-1-4	7/10/17	0805	SO1	Tube													04		1
SR-1-5	7/10/17	0815	SO1	Tube													05		1
SR-1-6	7/10/17	0900	Water	Vials													06		1
SR-1-7	7/10/17	0945	SO1	Tube													07		1
SR-1-8	7/10/17	0950	SO1	Tube													08		1
SR-1-9	7/10/17	1030	SO1	Tube													09		1
SR-1-10	7/10/17	1015	SO1	Tube													10		1
SR-1-11	7/10/17	1055	SO1	Tube													11		1
SR-1-12	7/10/17	1140	SO1	Tube													12		1
SR-1-13	7/10/17	1150	SO1	Tube													13		1
SR-1-14	7/10/17	1205	SO1	Tube													14		1
SR-1-15	7/10/17	1210	SO1	Tube													15		1
Relinquished by: (signature) _____ Date / Time _____			Received by: (signature) _____ Date / Time _____			Total # of containers _____			Chain of Custody seals: <u>Q/N/A</u>			Received good condition/cold _____			Notes: _____				
Relinquished by: (signature) _____ Date / Time _____			Received by: (signature) _____ Date / Time _____			Total # of containers _____			Chain of Custody seals: <u>Q/N/A</u>			Received good condition/cold _____			Notes: _____				
Relinquished by: (signature) _____ Date / Time _____			Received by: (signature) _____ Date / Time _____			Total # of containers _____			Chain of Custody seals: <u>Q/N/A</u>			Received good condition/cold _____			Notes: _____				

Sample disposal instructions: Disposal @ \$2.00 each — Return to client — Pickup — Turn around time: 5 day GOC 160255



SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: T171810

Client Name: Basics Environmental, Inc Project: International Blvd, Oakland

Delivered by: Client SunStar Courier GSO FedEx Other

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

Lab Received by: Don M. Date/Time Lab Received: 7-12-17 1030

Total number of coolers received: 1

Temperature: Cooler #1	<u>5.0</u>	°C +/- the CF (- 0.2°C) =	<u>4.8</u>	°C corrected temperature
Temperature: Cooler #2		°C +/- the CF (- 0.2°C) =		°C corrected temperature
Temperature: Cooler #3		°C +/- the CF (- 0.2°C) =		°C corrected temperature
Temperature criteria = ≤ 6°C (no frozen containers)		Within criteria?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If NO:				
Samples received on ice?	<input type="checkbox"/> Yes	<input type="checkbox"/> No → Complete Non-Conformance Sheet		
If on ice, samples received same day collected?	<input type="checkbox"/> Yes → Acceptable	<input type="checkbox"/> No → Complete Non-Conformance Sheet		

Custody seals intact on cooler/sample Yes No* N/A

Sample containers intact Yes No*

Sample labels match Chain of Custody IDs Yes No*

Total number of containers received match COC Yes No*

Proper containers received for analyses requested on COC Yes No*

Proper preservative indicated on COC/containers for analyses requested Yes No* N/A

Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times Yes No*

* Complete Non-Conformance Receiving Sheet if checked Cooler/Sample Review - Initials and date: DM 7-12-17

Comments:

WORK ORDER

T171810

Client: Basics Environmental, Inc.
Project: International Blvd, Oakland

Project Manager: Rose Fasheh
Project Number: [none]

Report To:

Basics Environmental, Inc.
 Lita Freeman
 655 12th Street, Suite 126
 Oakland, CA 94607

Date Due: 07/19/17 17:00 (5 day TAT)

Received By: Dan Marteski

Date Received: 07/12/17 10:30

Logged In By: Dan Marteski

Date Logged In: 07/12/17 11:10

Samples Received at: **4.8°C**
 Custody Seals Yes Received On Ice Yes
 Containers Intact Yes
 COC/Labels Agree Yes
 Preservation Confir No

Analysis	Due	TAT	Expires	Comments
T171810-01 SB-1-2 [Soil] Sampled 07/11/17 07:40 (GMT-08:00) Pacific Time				
(US &				
6010B LUFT 5	07/19/17 15:00	5	01/07/18 07:40	
8015 CC (D/MO)	07/19/17 15:00	5	07/25/17 07:40	+stoddard solvent, Kerosene, Bunker Oil
8015 m Gas Purge	07/19/17 15:00	5	07/25/17 07:40	
8260	07/19/17 15:00	5	07/25/17 07:40	
T171810-02 SB-1-5.5 [Soil] Sampled 07/11/17 07:45 (GMT-08:00) Pacific Time HOLD				
(US &				
[NO ANALYSES]				
T171810-03 SB-1-10 [Soil] Sampled 07/11/17 07:55 (GMT-08:00) Pacific Time HOLD				
(US &				
[NO ANALYSES]				
T171810-04 SB-1-15 [Soil] Sampled 07/11/17 08:05 (GMT-08:00) Pacific Time HOLD				
(US &				
[NO ANALYSES]				
T171810-05 SB-1-20 [Soil] Sampled 07/11/17 08:15 (GMT-08:00) Pacific Time HOLD				
(US &				
[NO ANALYSES]				

WORK ORDER

T171810

Client: Basics Environmental, Inc.	Project Manager: Rose Fasheh
Project: International Blvd, Oakland	Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T171810-06 SB-1-GW [Water] Sampled 07/11/17 09:00 (GMT-08:00) Pacific Time (US &				
8015 CC (D/MO)	07/19/17 15:00	5	07/18/17 09:00	+stoddard solvent, Kerosene, Bunker Oil, LOW-LEVEL
8015 m Gas Purge	07/19/17 15:00	5	07/25/17 09:00	
8260	07/19/17 15:00	5	07/25/17 09:00	
T171810-07 SB-2-2 [Soil] Sampled 07/11/17 09:45 (GMT-08:00) Pacific Time (US &				
6010B LUFT 5	07/19/17 15:00	5	01/07/18 09:45	
8015 CC (D/MO)	07/19/17 15:00	5	07/25/17 09:45	+stoddard solvent, Kerosene, Bunker Oil
8015 m Gas Purge	07/19/17 15:00	5	07/25/17 09:45	
8260	07/19/17 15:00	5	07/25/17 09:45	
T171810-08 SB-2-5 [Soil] Sampled 07/11/17 09:50 (GMT-08:00) Pacific Time (US &				
[NO ANALYSES]				
T171810-09 SB-2-10 [Soil] Sampled 07/11/17 10:00 (GMT-08:00) Pacific Time (US &				
[NO ANALYSES]				
T171810-10 SB-2-15 [Soil] Sampled 07/11/17 10:15 (GMT-08:00) Pacific Time (US &				
[NO ANALYSES]				
T171810-11 SB-2-20.5 [Soil] Sampled 07/11/17 10:55 (GMT-08:00) Pacific Time (US &				
8015 CC (D/MO)	07/19/17 15:00	5	07/25/17 10:55	+stoddard solvent, Kerosene, Bunker Oil
8015 m Gas Purge	07/19/17 15:00	5	07/25/17 10:55	
8260	07/19/17 15:00	5	07/25/17 10:55	
T171810-12 SB-3-2 [Soil] Sampled 07/11/17 11:40 (GMT-08:00) Pacific Time (US &				
6010B LUFT 5	07/19/17 15:00	5	01/07/18 11:40	
8015 CC (D/MO)	07/19/17 15:00	5	07/25/17 11:40	+stoddard solvent, Kerosene, Bunker Oil
8015 m Gas Purge	07/19/17 15:00	5	07/25/17 11:40	
8260	07/19/17 15:00	5	07/25/17 11:40	
T171810-13 SB-3-5 [Soil] Sampled 07/11/17 11:50 (GMT-08:00) Pacific Time (US &				
[NO ANALYSES]				

WORK ORDER

T171810

Client: Basics Environmental, Inc.	Project Manager: Rose Fasheh
Project: International Blvd, Oakland	Project Number: [none]

Analysis	Due	TAT	Expires	Comments
T171810-14 SB-3-10 [Soil] Sampled 07/11/17 12:05 (GMT-08:00) Pacific Time HOLD				
(US & [NO ANALYSES])				
T171810-15 SB-3-15 [Soil] Sampled 07/11/17 12:10 (GMT-08:00) Pacific Time HOLD				
(US & [NO ANALYSES])				
T171810-16 SB-3-20 [Soil] Sampled 07/11/17 12:20 (GMT-08:00) Pacific Time (US &				
8015 CC (D/MO)	07/19/17 15:00	5	07/25/17 12:20	+stoddard solvent, Kerosene, Bunker Oil
8015 m Gas Purge	07/19/17 15:00	5	07/25/17 12:20	
8260	07/19/17 15:00	5	07/25/17 12:20	
T171810-17 SB-4-2 [Soil] Sampled 07/11/17 13:10 (GMT-08:00) Pacific Time (US &				
6010B LUFT 5	07/19/17 15:00	5	01/07/18 13:10	
8015 CC (D/MO)	07/19/17 15:00	5	07/25/17 13:10	+stoddard solvent, Kerosene, Bunker Oil
8015 m Gas Purge	07/19/17 15:00	5	07/25/17 13:10	
8260	07/19/17 15:00	5	07/25/17 13:10	
T171810-18 SB-4-5 [Soil] Sampled 07/11/17 13:20 (GMT-08:00) Pacific Time HOLD				
(US & [NO ANALYSES])				
T171810-19 SB-4-10 [Soil] Sampled 07/11/17 13:30 (GMT-08:00) Pacific Time HOLD				
(US & [NO ANALYSES])				
T171810-20 SB-4-15 [Soil] Sampled 07/11/17 13:40 (GMT-08:00) Pacific Time HOLD				
(US & [NO ANALYSES])				
T171810-21 SB-4-20 [Soil] Sampled 07/11/17 13:50 (GMT-08:00) Pacific Time (US &				
8015 CC (D/MO)	07/19/17 15:00	5	07/25/17 13:50	+Stoddard Solvents, Kerosine, Bunker Oil
8015 m Gas Purge	07/19/17 15:00	5	07/25/17 13:50	
8260	07/19/17 15:00	5	07/25/17 13:50	