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Alameda County Environmental Health

September 17, 2009

Paresh Khatri Hazardous Materials Specialist Alameda County Department of Environmental Health 1131 Harbor Bay Parkway Alameda, California 94502-6577

Dear Mr. Khatri:

Subject:	Tier 1 Risk Assessment and No Further Action Request Report
Reference:	Earthgrains Baking Companies, Inc. 955 Kennedy Street
	Oakland, California 94606

RO #0002569

On behalf of Earthgrains Baking Companies, Inc., PSC Industrial Outsourcing, LP (PSC) is submitting the enclosed *Tier 1 Risk Assessment and No Further Action Request Report* for the above-referenced site. This report summarizes the site history, geology, hydrogeology, soil and groundwater quality, potential exposure pathways and receptors, current conditions, and provides a technical justification for the regulatory closure of the 1990 environmental case from the diesel underground storage tank system release at the site.

If you have any questions concerning this report, then please contact me at (618) 281-1546.

Respectfully,

PSC INDUSTRIAL OUTSOURCING, LP

Scott Jander Project Manager

cc: Melvin Siegel - Earthgrains Baking Companies, Inc.

TIER 1 RISK ASSESSMENT AND NO FURTHER ACTION REQUEST REPORT

EARTHGRAINS BAKING COMPANIES, INC. 955 Kennedy Street Oakland, California 94606

RO #0002569

September 17, 2009

Prepared By:

PSC INDUSTRIAL OUTSOURCING, LP 210 West Sand Bank Road Columbia, Illinois 62236-1044

Project 62402797



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John R Carrow, P.G. #5525 Senior Geologist

JOHN R. CARROW No. 5525 9/ CA (amp)

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Site Location

Earthgrains Baking Companies, Inc. 955 Kennedy Street Oakland, California 94606

Alameda County Township 2 South, Range 3 West, Section 7 of the Mount Diablo Baseline and Meridian

Responsible Party

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1.0 INTRODUCTION AND SITE BACKGROUND

On behalf of Earthgrains Baking Companies, Inc. (Earthgrains), PSC Industrial Outsourcing, LP (PSC) has prepared this *Tier I Risk Assessment and No Further Action Request Report* for the Earthgrains project site located at 955 Kennedy Street in Oakland, California (Site). This report summarizes the Site history, geology, hydrogeology, soil and groundwater quality, potential exposure pathways and receptors, current conditions, and comparisons to Tier 1 environmental screening levels (ESLs). The report also provides a technical rationale for the closure of the unauthorized release from the diesel underground storage tank (UST) system at the Site.

1.1 Description of Site and Vicinity

The Site occupies approximately five acres of commercial property in Oakland, California. Earthgrains owns and operates a 105,000 square-foot plant consisting of a bakery, product distribution center, and thrift store at the Site. The entire site is covered with building structures, asphalt, or concrete pavement. An asphalt-paved parking area and driveway border the eastern and western sides of the Site and truck-loading docks are located in the northwestern side of the plant. A stand-alone truck wash building is located west of the plant and a former truck maintenance garage was located in the northwestern corner of the Site. The Site is bounded by Dennison Street to the north, Frederick Street to the south, Kennedy Street to the east, and King Street to the west. Surrounding properties to the north, south, and west of the Site are mainly industrial and commercial businesses. Interstate 880 is located east of Kennedy Street. The Site location and vicinity maps are shown on Figures 1 and 2.

Land surface near the Site slopes towards the west-southwest at a gradient of approximately 0.5 foot per 100 feet. The elevation of the Site is approximately 15 feet above mean sea level (MSL). Surface water or storm water from the western side of the Site flows to a storm sewer located about 20-feet west of and parallel to the bakery building. Water in this storm sewer flows south where it empties into a concrete storm-water sewer beneath and parallel to King Street, located approximately 25 feet west of the Site. The storm-water sewer along King Street flows north and intersects a second storm-water sewer that travels beneath and parallel to Dennison Street, approximately 60 feet northwest of the property. This storm water sewer flows west to Embarcadero Street and Brooklyn Basin.

Brooklyn Basin, an estuary of San Francisco Bay that lies between Oakland to the east and Coast Guard Island to the west, is located approximately 800 feet west-southwest of the Site. An unnamed creek flows into the Brooklyn Basin approximately 1,800 feet northwest of the Site near the intersection of 12th Street and 19th Avenue. Sausal Creek is approximately 2,800 feet east of the Site and empties into San Francisco Bay approximately 4,400 feet southeast of the Site.

The Site is located within an incorporated area of the City of Oakland and the municipal water provider is the East Bay Municipal Utility District (EBMUD). Treated surface water from the Mokelumne River watershed and rainfall from the East Bay watershed is combined to supply water to EBMUD customers. Two abandoned public water supply wells (PRW1

and PRW2) are located northeast of the Site within 2,000 feet, but Environmental Data Resources (EDR) records do not indicate any active water supply or irrigation wells within the search radius.

A sanitary sewer lateral travels southwestward from the plant through an oil/water separator located inside the truck wash building and connects to the main sanitary sewer beneath King Street. A natural gas pipeline travels parallel to King Street beneath the western boundary of the Site. The subsurface utilities at the Site are shown on Figure 3.

1.2 Site History and Current Conditions

The Earthgrains facility (formerly Kilpatrick's Bakeries, Inc.) was constructed in the late 1960s and has operated as a bakery and product distribution center. Earthgrains installed and operated eight UST systems at the Site from 1967 to 2005 for fleet operations and back-up oven fuel storage. Subsurface investigations and groundwater monitoring were performed at the Site from 1989 through 1996 for an unauthorized diesel UST system release. Earthgrains received environmental case closure in 1996 following submittal of a Tier 1 Risk Assessment report to the Alameda County Department of Environmental Health (ACDEH). Residual petroleum hydrocarbons were left in soil at the Site when closure was granted.

Earthgrains reported an additional unauthorized diesel UST system release at the Site in 2003 following the discovery of petroleum hydrocarbons during product piping modifications at a diesel pump island. Since the Tier 1 Risk Assessment report indicated that residual petroleum hydrocarbons remained in soil near the 2003 diesel UST system release area, the exact source of the petroleum hydrocarbons was undetermined. Investigation and corrective action since 2005 was conducted under RO#0002569.

1.3 UST System Closures and Corrective Action

Earthgrains operated eight UST systems at the Site from 1967 to 2005. The locations of the UST systems are shown on Figure 2. Earthgrains performed the following UST activities:

- Four 10,000-gallon diesel UST systems were installed in a shared tank excavation in 1977, south of the truck wash building as a back-up fuel supply system for the ovens in the plant. The four diesel UST systems were removed for permanent closure on October 11, 1989. During the UST closure activities, 384 tons of diesel-impacted soil were excavated and removed for off-site disposal and the former UST excavation was backfilled with clean, imported pea gravel.
- One 10,000-gallon gasoline, one 10,000-gallon diesel, and one 350-gallon waste oil UST system was installed south of the former truck maintenance garage during 1967. The gasoline and diesel tanks shared a common excavation and were removed for permanent closure on December 12, 1990. The waste oil UST system was removed for permanent closure on January 28, 1991 and approximately 25 cubic-yards of petroleum-impacted material was excavated and removed for off-site disposal. The UST excavations were then backfilled with clean, imported granular material.

- One 10,000-gallon diesel UST system was installed in January 1991 to replace the former diesel UST system removed southeast of the truck maintenance garage in December 1990. Earthgrains removed the original pump island on the 10,000-gallon diesel UST system and installed a new diesel dispensing system south of the truck wash building in 1995.
- Earthgrains upgraded the product dispensing system in April 2003 in order to comply with new under-dispenser containment requirements. Additional diesel fuel-contaminated soil was discovered at that time and the diesel UST system was removed for permanent closure on March 9, 2005. Based upon the UST closure assessment data, Earthgrains submitted an unauthorized UST release (leak) report for the Site to the Oakland Fire Department on April 15, 2005. This was the last UST system operated by Earthgrains at the Site.

1.4 Historic Environmental Investigations

Several environmental investigations to assess soil and groundwater quality were performed at the Site. The location of historic soil borings and groundwater-monitoring wells are shown on Figure 4. Soil and groundwater samples were analyzed for total petroleum hydrocarbons (TPH) as gasoline (g), diesel (d), and motor oil (mo); benzene, toluene, ethylbenzene, and total xylenes (BTEX); volatile organic compounds (VOC); and poly-cyclic aromatic hydrocarbons (PAHs). Historical soil sample analytical data are summarized on Tables 1A (<3 meters), 1B (>3 meters) and 1C (Saturated). Historical groundwater analytical data for grab samples is provided in Table 4 and monitoring well samples in Table 5. The historic environmental investigation activities at the Site are summarized below:

1992 Site Investigation

Burlington Environmental, Inc. (Burlington) performed a Site investigation in August 1992 to assess the lateral and vertical extent of petroleum hydrocarbons in soil and groundwater from the 1989 diesel UST system release. Burlington installed five groundwater-monitoring wells (MW-1 through MW-5) at the Site and performed quarterly groundwater monitoring from August 1992 to December 1994.

1995 Tier 1 Risk Assessment

Groundwater samples collected and analyzed from the quarterly monitoring events performed between 1992 and 1994 detected concentrations of chlorinated and nonchlorinated solvents. PSC submitted a Tier 1 Risk Assessment report for the Site in July 1995 and reported that the solvent concentrations in groundwater were derived from an offsite source. The ACDEH agreed with the assessment report findings and closed the environmental case in March 1996. PSC properly abandoned the five groundwatermonitoring wells at the Site in March 1996 and Earthgrains received environmental case closure on April 17, 1996.

2006 Soil and Groundwater Quality Investigation

ETIC Engineering, Inc. (ETIC) performed a soil and groundwater quality investigation at the Site in September 2006 to further evaluate residual petroleum hydrocarbons remaining in the subsurface following the unauthorized diesel UST system release in April 2005. ETIC drilled 40 borings and submitted 131 soil and 38 groundwater grab samples for laboratory analyses. The historical soil sampling locations at the Site are shown on Figure 4.

Diesel was the primary chemical detected in soil and groundwater grab samples collected and analyzed during this Site investigation. The highest concentrations of TPH-d detected in soil were from samples collected in the vicinity of the former diesel pump island located south of the truck wash building and along the southern end of the former diesel product piping trench. The highest concentrations of TPH-d detected in soil samples were collected at depths of less than 16 feet below-ground-surface (bgs). Concentrations of TPH-d were also detected in soil samples collected south of the former truck maintenance garage in the northwest corner of the Site.

2007 Remedial Investigation

ETIC performed a remedial investigation at the Site in March 2007 to further evaluate the lateral and vertical extent of subsurface diesel contamination in preparation for remediation. ETIC drilled an additional 12 soil borings and collected 61 soil and 11 groundwater grab samples for laboratory analyses. The highest TPH-d concentrations detected in soil samples were collected at depths from 8.5 to 15.5 feet bgs. Concentrations of BTEX were not detected in any of the soil samples collected during this remedial investigation.

2009 Groundwater Investigation

PSC submitted a *Groundwater-Monitoring Well Installation Plan* dated November 18, 2008 and a *Groundwater-Monitoring Well Installation Plan Addendum* dated January 9, 2009 to the ACDEH. The purpose for performing a groundwater investigation at the Site was to provide additional soil and groundwater data for a feasibility study/remedial evaluation (FS/RE) to evaluate source removal by excavation. Information from the 2009 groundwater investigation is presented in Section 2 of this report.

1.5 Historic Groundwater Monitoring

Groundwater monitoring was performed at the Site from August 1992 to December 1994 and groundwater samples were collected for laboratory analyses from MW-1 through MW-5. Concentrations of TPH-g and TPH-mo were detected in groundwater samples collected from MW-2 and MW-4. Chlorinated and non-chlorinated solvent compounds were also detected in groundwater samples from MW-4, but a risk assessment determined that the concentrations were derived from an off-site source. Earthgrains received environmental case closure from the ACDEH in April 1996.

No free-phase petroleum hydrocarbons were detected in the wells during the groundwatermonitoring events at the Site. Water level measurements obtained from the monitoring events indicated that groundwater flowed beneath the Site in a west-southwest direction at a

hydraulic gradient of approximately 0.005 to 0.01 foot-per-linear foot (ft/ft). Historical groundwater level and elevation data and groundwater analytical data are provided in Tables 3 and 5, respectively.

1.6 Local Geology and Hydrogeology

The Site is located in the East Bay Plain Sub-basin of the Santa Clara Valley Groundwater Basin. The East Bay Plain Sub-basin is a northwest trending alluvial plain bounded on the north by San Pablo Bay, on the east by the contact with Franciscan Basement rock, and on the south by the Niles Cone Groundwater Basin. The East Bay Plain Sub-basin extends beneath San Francisco Bay to the west. Numerous creeks including San Pablo Creek, Wildcat Creek, San Leandro Creek, and San Lorenzo Creek flow from the western slope of the Coast Ranges westward across the plain and into the San Francisco Bay.

The East Bay Plain Sub-basin aquifer system consists of unconsolidated deposits from the Quaternary age. These deposits include the early Pleistocene Santa Clara Formation, the late Pleistocene Alameda Formation, the early Holocene Temescal Formation, and artificial fill. The cumulative thickness of the unconsolidated deposits is approximately 1,000 feet.

Artificial fill is encountered in the sub-basin along the bay front and wetlands areas and is derived primarily from dredging, quarrying, construction, demolition debris, and municipal waste. The artificial fill ranges in thickness from approximately 1 to 50 feet with the thickest deposits found near San Francisco Bay.

Historical soil boring logs indicate that the predominant soil types beneath the Site consist primarily of clay and silty clay. The soil encountered during the January 2009 installation of four groundwater-monitoring wells is consistent with soil types encountered during previous subsurface investigations at the Site. Soil consisted predominately of silty clays with some sand and gravels for the full depth of the soil borings.

Historical drilling activities performed at the Site indicate that groundwater was encountered within a sand and gravel layer located at depths of 18 to 26 feet bgs. Groundwater appears to be in a semi-confined condition and groundwater levels stabilize at approximately 9 feet bgs. Perched water was encountered in a sandy and silty lens between 10 and 12 feet bgs in some historical soil borings and a large area of perched water exists near the former shared diesel UST excavation south of the truck wash building. Groundwater flow direction at the Site is generally toward the west-southwest with a hydraulic gradient ranging from approximately 0.005 to 0.01 ft/ft.

2.0 JANUARY 2009 GROUNDWATER INVESTIGATION

PSC submitted a *Groundwater-Monitoring Well Installation Plan* dated November 18, 2008 and a *Groundwater-Monitoring Well Installation Plan Addendum* dated January 9, 2009 to the ACDEH. The well installation plan and addendum were approved by the ACDEH in January 2009.

The objectives of the 2009 groundwater investigation were to:

- Obtain additional groundwater quality data from properly installed monitoring wells to assess the petroleum-hydrocarbon impact at the Site;
- Obtain and assess hydraulic conductivity data for the shallow aquifer (approximately 20 feet bgs) at the Site;
- Determine potential hydraulic connection between perched water (approximately 10 feet bgs) in the former shared diesel UST excavation and the permeable zone encountered at a depth of approximately 20 feet bgs at the Site;
- Determine water pumping rates in the former diesel pump island area and shared UST excavation for dewatering purposes; and
- Develop and design engineering controls for performing source removal by excavation and disposal at the Site.

2.1 Well Installation

PSC obtained a well permit from the Alameda County Public Works Agency (ACPWA) prior to commencing the drilling activities and notified the ACDEH and ACPWA of the drilling schedule. A copy of the ACPWA Water Resources Well Permit is provided in Appendix B. Underground Service Alert of Northern California cleared the soil boring locations for any subsurface utilities prior to the drilling activities and Sub-Dynamics Locating Services, Inc. identified subsurface utilities in the immediate drilling area. Gregg Drilling & Testing, Inc. (Gregg) cleared each soil boring for buried utilities to a depth of four feet below pavement surface using an air-knife/vacuum system or hand auger.

Gregg performed the drilling activities with a Marl M11 drill rig using hollow-stem augers. All drilling and sampling equipment was decontaminated prior to beginning the Site activities. A California Professional Geologist provided technical guidance during the Site activities and a PSC staff geologist supervised drilling and sampling activities. Soil samples were examined for lithologic identification and visual evidence of contamination in accordance with the Unified Soil Classification System and Standard Practice for Description and Identification of Soils (Visual-Manual Procedure), American Society for Testing and Materials (ASTM) D2488 (ASTM 2000). PSC screened soil samples for organic vapors using a photo-ionization detector (PID), measured sample headspace vapors, and recorded field observations and depth measurements on soil boring logs. The soil boring logs are provided in Appendix B.

PSC collected soil samples from the soil borings at each five-foot depth interval. PSC collected the soil samples using an 18-inch long California-modified split-spoon sampler fitted with six-inch brass liners. Gregg decontaminated reusable sampling equipment with a Liqui-Nox wash solution and rinsing the equipment with tap water and then distilled water following each use. Soil samples collected for laboratory analyses were properly sealed with Teflon wrap, vinyl end caps, and tape. Samples were labeled, preserved on ice in an insulated cooler, and then transported under chain-of-custody to Kiff Analytical, LLC (Kiff) to be analyzed for environmental and geotechnical parameters.

Soils encountered in the boreholes for the new groundwater-monitoring wells were similar to previous Site investigations and consisted of a few feet of fill material overlying silty and sandy clay. Sand, gravelly sand, and clayey gravel were encountered in the soil borings for MW-102, MW-103, and MW-104. Saturated soil was typically encountered at approximately 20 feet bgs. Layers of saturated soil were encountered at shallower depths in MW-103 and MW-104.

Gregg installed four two-inch diameter groundwater-monitoring wells (MW-101 through MW-104) and one six-inch diameter dewatering well (DW-1) at the Site in January 2009. MW-103 was installed northeast of the former diesel pump island in a hydraulically upgradient location and the remaining three monitoring wells were installed west, southwest, and southeast of the former diesel pump island. Gregg installed DW-1 in granular backfill material at the northern end of the former shared excavation for the back-up oven fuel tanks. The well locations are shown on Figure 4 and well construction data are provided in Table 2.

Gregg constructed each monitoring well with two-inch diameter Schedule 40 PVC casing and 0.010-inch slotted PVC screen. Gregg installed MW-101 and MW-102 to a total depth of 28 feet bgs with 10 feet of well screen and MW-103 and MW-104 to a total depth of 25 feet bgs with 15 feet of well screen. A filter-sand pack of Cemex Lapis Lustre #2/12 Sand was placed inside the annulus of each monitoring well boring from the screen bottom to two feet above the top of the well screen. A two-foot bentonite-chip seal was installed above each sand pack with a cement-bentonite grout seal installed above the bentonite-chip seal to approximately one foot below pavement surface. The monitoring wells were protected at the pavement surface with traffic-rated, flush-mounted well vaults set in concrete. Each monitoring well was equipped with an expandable locking cap and padlock to prevent unauthorized access. Well construction diagrams are included on the boring logs in Appendix B.

Gregg constructed dewatering well (DW-1) with six-inch diameter Schedule 40 PVC casing and 10 feet of 0.020-inch slotted PVC well screen. Gregg installed DW-1 to a total depth of 15 feet bgs. A filter-sand pack of Cemex Lapis Lustre #2/12 Sand was placed from the screen bottom to two feet above the top of the well screen and a two-foot cement-bentonite grout seal installed above the sand pack to one foot below the pavement surface. The dewatering well was protected at the pavement surface using a traffic-rated, flush-mounted well vault set in concrete. The dewatering well was equipped with an expandable locking cap and padlock to prevent unauthorized access.

Gregg constructed and installed the monitoring and dewatering wells in accordance with the California Department of Water Resources (DWR) requirements and an ACPWA inspector observed the well grouting activities performed by Gregg. PSC submitted a California DWR 188 Well Completion Report to the ACPWA for each well installed at the Site. A copy of the Well Completion Report is provided in Appendix B.

In accordance with the State of California GeoTracker requirements, the locations and elevations of the newly installed wells were surveyed. The survey was performed by PLS Surveys, Inc., a California-licensed Professional Land Surveyor, on January 28, 2008. The survey included the latitude, longitude, ground-surface elevation, and top-of-casing elevation for each well. Site features including structures, streets, and fences were included in the survey map. Latitude and longitude were referenced to the NAD83 datum and elevations were referenced to the NAVD88 datum. The survey data report was uploaded into the California GeoTracker database on March 26, 2009. The survey data is included in Appendix B.

2.2 Well Development, Purging, and Sampling

PSC and Gregg developed the four groundwater-monitoring wells installed at the Site 48hours following their installation on January 22, 2009. Gregg collected depth-to-water and total depth measurements from each well using an electronic oil-water interface probe. Gregg and PSC did not observe any free-phase product in the monitoring wells at the time of well development.

Gregg developed the monitoring wells by surging each well screen interval with a vented surge block for approximately 20 minutes. A minimum of 10 well-casing volumes was then removed from each well using a submersible pump. Gregg developed each well until groundwater was free of silt and turbidity, and water quality parameters for temperature, pH, specific conductance, dissolved oxygen, and oxidation-reduction potential had stabilized. Gregg de-contaminated the submersible pump with a hot water pressure washer following each well development.

PSC collected groundwater samples from MW-101, MW-102, MW-103, MW-104, and DW-1 on January 26, 2009. PSC purged a minimum of three well-casing volumes of groundwater from each well using a disposable PVC bailer. Samples were then collected in laboratory-supplied containers, preserved on ice in an insulated cooler, and transported under chain-of-custody protocol to Kiff. PSC collected a duplicate groundwater sample, MW-DUP, from DW-1 for quality assurance and a travel blank accompanied the groundwater samples to the laboratory.

2.3 Soil and Groundwater Analytical Data

Kiff analyzed soil and groundwater samples collected during the well installation activities for TPH-d using Method 8015 Modified and BTEX using Method 8260B. Selected soil samples were also analyzed for soil bulk density and total organic carbon. Kiff analytical reports for soil samples are provided in Appendix C and groundwater samples in Appendix D.

The Kiff analytical reports indicate that TPH-d concentrations exceeded the ESL for leaching to groundwater in soil samples from MW-104 (8.5-10) and DW-1 (8.5-10) and the groundwater ESL in the groundwater sample collected from DW-1. Groundwater sample results from January indicated concentrations of TPH-d in MW-102, MW-103, and MW-104. These concentrations did not exceed the groundwater ESL of 210 μ g/L. The sample from DW-1 had a TPH-d concentration of 1,200 μ g/L. Laboratory analytical data indicate that BTEX concentrations were not detected in any of the soil or groundwater samples collected. Results of soil bulk density ranged from 1.5 to 1.9 g/cm³, which is typical of a silty clay. Total organic carbon numbers were ranged from 1,050 to 2,900 mg/kg.

2.4 Modified Pump Test

PSC and Gregg performed a modified pump test on DW-1 to determine the volume of water and the rate of removal required to dewater the area around the former diesel pump island. Gregg installed a submersible pump in DW-1 and pumped the dewatering well at the highest sustainable flow rate. Gregg was only able to maintain a pumping rate of less than one gallon-per-minute in the dewatering well for a period of seven hours. PSC measured a waterlevel drawdown of approximately two feet in DW-1 during the seven-hour pump test event.

In order to assess the hydraulic connection between perched water in the former shared diesel UST excavation with the permeable zone screened in the monitoring wells. PSC placed pressure transducers near the bottom of each monitoring well. The pressure transducer measured the change in water pressure and calculated the water column height during the test. The transducers were connected to a Hermit 3000 Data Logger and the electronic components interfaced with a laptop computer using Win-Situ software. PSC measured a water-level drawdown of approximately one foot in MW-102 during the test. MW-102 is located about 15 feet northwest of DW-1. PSC observed minimal changes to the water levels in MW-101, MW-103, and MW-104 during the pump test, but these fluctuations could be attributed to changes in barometric pressure.

2.5 Hydraulic Conductivity Testing

After completion of well development and pump test, PSC conducted slug testing on the monitoring wells to assess hydraulic conductivity of the shallow aquifer. Pressure transducers were placed near the bottom in each well and connected to the Hermit 3000 data logger. Rising and falling water level data were recorded on a laptop computer. A 1-inch diameter by 3-foot long solid slug was lowered into the water column. The rise and fall of the water level were measured until it had stabilized. The slug was removed and the fall and rise of the rebounding water table were measured.

Data from the slug test were analyzed using AQTESOLVTM, commercially available solution software for hydraulic conductivity and pump test. Water level and time data are plotted using the software. A Bouwer-Rice solution for confined aquifers was used to match a tangent line to the slope of the data. The results of the solution are presented as hydraulic conductivity in cm/sec. Not all of the slug test data were usable. Five results of slug in/slug out data provided useful curves that could be matched to the selected solution. The curves

are presented in Appendix B. Results of hydraulic conductivity testing are summarized on the Table 6.

An average hydraulic conductivity of 5.02×10^{-4} cm/sec was obtained from the five curves. Using this hydraulic conductivity, a hydraulic gradient of 0.005 ft/ft and a porosity of 35, the linear velocity of groundwater is estimated to be 7.6 ft/year. This estimate is conservative and the distance traveled by a particle of groundwater should be much less than 7.6 feet a year. The distance a contaminated groundwater plume will travel in a year requires additional parameters for the contaminant like solubility and for the soil such as natural attenuation parameters. Only TPH-d, which is a mixture and has no specific chemical properties like solubility, has been detected in groundwater.

2.6 April and July 2009 – Quarterly Groundwater Monitoring

PSC subcontracted Blaine Tech Services, Inc. (BTS) to perform April and July 2009 quarterly groundwater-monitoring events at the Site. BTS collected groundwater samples from the five active wells on April 15 and July 22, 2009 and submitted the samples to Kiff for analyses of TPH-d and BTEX. In addition, samples collected in July 2009 were also analyzed for PAHs. The analytical data for the April and July events are provided in Appendix D.

Kiff analytical data indicates that TPH-d concentrations exceeded the ESL for groundwater in samples collected from DW-1. However, this well is screened in water perched in the former UST excavation. TPH-d concentrations in well MW-102 ranged from 160 to 120 μ g/L from January to July 2009. TPH-d concentrations in well MW-104 ranged from 100 to 97 μ g/L from January to July 2009. TPH-d concentrations were 80 μ g/L in well MW-103 after the installation, but were not detected in the last two sampling events. BTEX concentrations were not detected in any of the groundwater samples collected during the two quarterly monitoring events. PAHs were not detected in the July sampling event.

3.0 TIER 1 ENVIRONMENTAL RISK ASSESSMENT

This section of the report presents a summary of the site conceptual model (SCM) and a Tier 1 Risk Assessment prepared in accordance with "*Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*". This guidance document provides ESLs for a number of contaminants and for a number of exposure scenarios. The guidance document will hereafter be referred to as the ESL Document.

3.1 Land Use

The Site has been a commercial/industrial property since the late 1960s. The current use of the Site is a bakery and bakery product distribution center. The Site is covered by either pavement or structures. Based on its close proximity to Interstate 880 and San Francisco Bay, the Site will likely remain a commercial/industrial property for the foreseeable future.

3.2 Sources of Contamination

The primary source area for the current unauthorized diesel release at the Site is the former diesel pump island located south of the truck wash building. Storm water infiltration through the pavement in this area has filled former UST system excavations. Petroleum hydrocarbons have spread laterally across the Site through granular fill material and impacted shallow groundwater.

PSC estimated a primary source area of approximately 600-700 ft^2 near the former diesel pump island and shared diesel UST excavation. The source area was delineated by samples with TPH-d concentrations exceeding the gross contamination ESL for soil and is limited to an area of 800 ft^2 around the former diesel pump island. PSC estimated a second area, approximately 100-150 ft^2 near the storm sewer beneath King Street with concentrations exceeding the gross contamination ESL for TPH-d.

Residual petroleum-hydrocarbon concentrations also remain near the former 350-gallon waste oil UST excavation near the southwest corner of the former truck maintenance garage. This source area is relatively small and does not exceed the gross contamination ESL. Based on the 1995 groundwater-monitoring data, the residual hydrocarbons in soil have not significantly impacted groundwater. Source areas and areas of residual petroleum hydrocarbons are shown on Figure 10.

3.3 Chemical-of-Concern and Affected Media

Soil and groundwater analytical data from investigations and corrective actions at the Site indicate that the chemical-of-concern is TPH-d. No BTEX or PAH concentrations were detected in groundwater samples collected in July 2009. Contamination is encountered in saturated and unsaturated soil. Perched water at a depth of approximately 10 feet bgs and shallow groundwater at a depth of approximately 18 feet bgs is impacted by TPH-d. There is a potential for surface water impact from storm water sewers, however based on sample results near the sewer (E-45 and E-46) concentrations are decreasing and should be non-

detectable within a short distance. Therefore, surface water and sediment should not be affected. There is also a potential for soil vapor to be affected. However, based on the non-volatile nature of diesel fuel and the silty clay soil beneath the site, this potential is very minimal.

3.4 Extent of Petroleum Hydrocarbons

Subsurface investigations performed in 2006, 2007, and 2009 included: drilling 57 soil borings and collecting 192 soil samples; 49 groundwater grab samples; and 15 groundwater well samples. The soil and groundwater samples were analyzed for TPH-d and other appropriate contaminants-of-concern. Historical soil sample analytical data are summarized on Tables 1A (<3 meters), 1B (>3 meters), and 1C (Saturated). Historical groundwater analytical data for grab samples are provided in Table 4 and well samples in Table 5. TPH-d concentrations in historic soil samples and groundwater well samples from July 22, 2009 are shown on geologic cross-sections in Figures 5, 6, and 7. The extent of TPH-d in groundwater from the July 22, 2009 monitoring event is shown on Figure 9.

The extent of TPH-d in soil was delineated by comparing the results, summarized in the tables and figures discussed above, with the residential and commercial ESLs of 100 and 180 mg/kg, respectively for non-drinking water sites. PSC estimated the extent of residual petroleum hydrocarbons in soil above ESLs to be an area of approximately 7,600 ft² near the former diesel pump island and shared diesel UST excavation. This area extends west into King Street. PSC estimated a second area of approximately 600 ft² near the former 350-gallon waste oil UST excavation located near the southwest corner of the former truck maintenance garage.

3.5 Contaminant Migration

TPH-d contamination in soil exists in the source areas at depths between 2 and 16 feet bgs. The soil in this depth interval at the Site is typically silt and clay. TPH-d concentrations in soil are a secondary source of contamination of groundwater at the Site.

Groundwater beneath the Site is encountered in semi-confined conditions and in perched water encountered at approximately 10 feet bgs in some boreholes and in the former UST system excavations. The primary transport mechanisms for residual contamination in the shallow aquifer are advection, adsorption, desorption, and volatilization. Laboratory analytical data from historic subsurface investigations indicate that both saturated soil and groundwater are affected in the shallow aquifer and adsorption and desorption between the two phases could be occurring. Residual petroleum-hydrocarbon contamination around the former diesel pump island and waste oil UST excavation may have migrated with groundwater through advection. It may also be possible that TPH-d contamination has migrated from the former diesel pump island source area through the perched water in the shared excavation of the former oven fuel tanks. PSC believes that impacted water in these former excavations could have risen during storm events and spread laterally through the sub-base fill material or utility trenches at the Site. The storm water sewers located along the western side of the plant and beneath King Street could be a conduit for this contaminant migration.

Volatilization of petroleum-hydrocarbon constituents from soil and groundwater into vapor can result in migration to the ground surface or into buildings. However, based on the low volatility of diesel and the clay nature of the soil, this migration pathway is not considered significant at the Site.

3.6 Potential Exposure Pathways and Receptors

Potential exposure pathways and receptors at the Site and nearby properties were evaluated based on current and potential future use. The Site is currently an active commercial and industrial property with nearby land used for commercial, industrial, and residential purposes. The plant and retail store occupy approximately 90 percent of the Site and both have concrete floors. The remaining surfaces at the Site are paved with either asphalt or concrete.

Potentially complete exposure pathways and receptors were identified for the Site using the following criteria:

- A point of potential contact with impacted medium (referred to as the exposure point); and
- An exposure route at the point of contact (inhalation, ingestion, or dermal contact).

Site-specific, potentially complete exposure pathways and potential receptors are summarized below:

- Inhalation of chemicals volatilizing from soil or groundwater to indoor or outdoor air (residential, commercial, or industrial receptors);
- Inhalation of volatiles, dermal contact, or incidental ingestion of contaminated soil or groundwater through excavation (industrial or construction workers);
- Ingestion of or dermal contact with contaminated groundwater from a potential current or future water supply well (residential, commercial, or industrial receptors); and
- Dermal contact with or incidental ingestion of contaminated surface water (residential, commercial, or industrial receptors or construction workers).

The vapor-intrusion pathway from impacted soil and/or groundwater to outdoor or indoor air is potentially complete. However, diesel contamination is not very volatile and the soil beneath the site is silty clay. Based upon analytical data from historical subsurface investigations and soil vapor intrusion surveys from similar sites, PSC believes that a soilvapor intrusion study is unnecessary to evaluate the potential health risks associated with exposure via inhalation of volatiles from the subsurface. In addition, the bakery building and buildings near the Site have elevated slabs. The completion of this potential exposure pathway is not very likely.

Based on the presence of paved surfaces at the Site, industrial workers and occupants will not be subjected to direct exposure (ingestion and/or dermal contact) with residual petroleumhydrocarbon constituents in near surface or subsurface soil for current land use at the Site. However, construction workers could have direct exposure to residual contamination in near surface and subsurface soil, if excavation occurs in the future.

Potential exposure by ingestion and/or dermal contact with impacted groundwater at the Site is minimal considering the Site is serviced by the EBMUD. The installation of shallow water-producing wells within the contaminant plume could create a direct and complete exposure pathway. However, the probability of a water supply well being installed in an industrial area this close to the Brooklyn Basin is very low. Construction workers may have direct exposure to residual contamination in groundwater, if excavation and/or dewatering activities occur at the Site in the future.

The well survey identified two abandoned water supply wells within 2,000 feet of the Site. One public well is located approximately 700 feet north-northeast and the other water well is approximately 1,400 feet east-northeast of the Site. Both water supply wells are hydraulically up gradient of the Site.

If contaminated groundwater discharge to surface water occurs, then a potentially complete exposure pathway for off-site receptors and/or construction workers could exist. Based upon a sensitive receptor survey, the closest surface water body to the Site is the Brooklyn Basin within the Oakland Estuary located approximately 800 feet southwest and down gradient of the Site. An unnamed creek flows into the Brooklyn Basin about 1,800 feet northwest of the Site. Wetlands were identified on the EDR figures within 2,000 feet of the Site and generally correspond to the margins of the estuary. There is a potential for surface water impact from storm water sewers, however based on sample results near the sewer (E-45 and E-46) concentrations are decreasing and should be non-detectable within a short distance. Discharge of contaminated groundwater to surface water at levels that exceed the ESL for marine habitats is unlikely.

3.7 Corrective Action Feasibility

Corrective action evaluated by PSC for the FS/RE included source removal by excavation and disposal and groundwater monitoring. The primary source area near the former diesel pump island is approximately 600-700 ft² and was defined as the area impacted by TPH-d concentrations over gross contamination ESLs. An additional 100-150-ft² area near the storm sewer beneath King Street also exceeds gross contamination ESLs. Excavation and disposal of soil beneath King Street is not considered feasible due to the presence of numerous subsurface utilities and the approvals required by the City of Oakland. Soil samples with concentrations exceeding the gross contamination ESL are limited to 12 feet bgs.

Source removal by excavation and disposal would require dewatering the former diesel pump island area and shared UST excavation prior to earthwork operations. PSC installed DW-1 at the north end of the shared diesel UST excavation for dewatering the primary source area, if source removal is performed. Due to the close proximity of the plant and truck wash building to the primary source area, engineering controls such as sheet piling, speed shoring, or trench box shoring would be required to stabilize the excavation and ensure worker safety during earthwork.

Disposal of contaminated material generated during the source removal would be determined by waste characterization and/or profiling and acceptance of the material by the disposal facility. The primary source area at the Site is beneath concrete pavement and located in a high traffic area of the plant. Site restoration costs would include the placement of highstrength concrete in high-traffic areas to accelerate the curing time and minimize disruption to plant operations. Based on these Site-specific factors, PSC estimates the following cost range for source removal by excavation and disposal as follows:

Planning & Permitting:	\$15,000 - \$25,000
Excavation Dewatering:	\$50,000 - \$75,000
Source Removal:	\$75,000 - \$125,000
Waste Disposal:	\$50,000 - \$100,000
Site Restoration:	\$35,000 - \$50,000
Total Cost Range:	\$225,000 - \$375,000

PSC believes that source removal would not be a very cost-effective corrective action at the Site based upon the small area of soil exceeding the gross contamination ESL for TPH-d and the low potential risk from residual hydrocarbons in soil and groundwater. Remedial alternatives such as in-situ chemical oxidation, in-situ thermal treatment, and enhanced bioremediation cannot be effectively implemented at the Site due to the silt and clay lithology and characteristics of TPH-d contamination. Monitored natural attenuation or groundwater monitoring would be more cost effective remedial options for the Site, but the extended time required for monitoring data makes these options less cost effective.

3.8 Appropriate ESL Selection

Groundwater beneath the Site and vicinity is not suitable for drinking water due to the yield of the shallow aquifer. Deeper aquifers beneath the Site are not suitable for drinking water due to the close proximity of San Francisco Bay and a potential for salt-water intrusion. Therefore, PSC selected the appropriate ESL for sites where groundwater is not a current or potential drinking water resource for comparison to the soil and groundwater concentrations at the Site. The groundwater ESL of 210 μ g/L for TPH-d was selected for comparison to groundwater concentrations at the Site.

The Site has been a bakery and product distribution center since the late 1960s and will likely remain a commercial/industrial property for the foreseeable future. Although some properties in the Site vicinity have been converted to residential buildings and public use areas, the plant is not suitable for this use without major renovations or demolition. Therefore, PSC believes that the ESL selections for commercial/industrial properties were appropriate for the Site. Residual hydrocarbons in soil and groundwater at the Site could require an environmental covenant or deed restriction on the property. PSC compared TPH-d concentration in shallow soil (<3 meters) and unsaturated deeper soil (>3 meters) at the Site to both the residential and commercial/industrial ESL to assess the need for environmental

land-use restrictions on the property. PSC used the residential ESL for estimating the mass of residual hydrocarbons in soil.

PSC also compared TPH-d concentrations in shallow soil to the ESL for direct exposure of industrial workers. Because the Site is completely covered by asphalt or concrete pavement or structures, PSC believes that a less stringent direct exposure ESL for construction workers in trenches would be more appropriate for the Site.

3.9 Tier 1 Comparison

PSC compared soil sample data collected from 1989 through 2009 to the appropriate ESL selections listed in Section 3.8. The comparison of shallow soil data is summarized in Table 7A and unsaturated deep soil in Table 7B. Sample locations where TPH-d concentrations exceeded the ESL are shown on Figure 10.

Based on soil analytical data from 275 soil samples (83 prior to 2006 and 192 after 2006) collected at the Site, only one sample (16TP-1) collected in 1990 exceeded the final ESL for benzene at a concentration of 0.15 mg/kg. Two soil samples collected in 1990 (16TP-1 and 15NTW) exceeded the final ESL for TPH-mo at 1,300 mg/kg and 2,700 mg/kg, respectively. Only one soil sample (E-29) exceeded the final residential ESL for TPH-g at 140 mg/kg. Analytical data for TPH include chromatograms that are characterized as gasoline, diesel fuel, or motor oil based on the elution time and the pattern of peaks. Concentrations characterized by a laboratory analyst as either motor oil or gasoline could be from diesel contamination. TPH-d was the most frequently detected contaminant in soil or groundwater at the Site.

Nine shallow and 20 deep soil samples exceeded the final ESL for residential for residential properties where groundwater is not a current or potential drinking water resource. The final ESLs presented for TPH-d in the ESL Document were based on contaminants in soil leaching to groundwater. PSC believes that pavement or structures provide a barrier at the Site that currently inhibits soil leaching to groundwater. Minimal groundwater contamination has been detected in the recent quarterly monitoring events. Soil sample locations near these groundwater-monitoring wells have exceeded the ESL for soil leaching to groundwater. This indicates that contaminants have not leached to groundwater in concentrations that result in groundwater contamination exceeding the groundwater ESLs.

3.10 Residual Petroleum Hydrocarbons in Soil

PSC compared historic shallow and deep soil sample analytical data to the ESL for gross contamination of commercial/industrial properties where groundwater is not a current or potential drinking water resource. Samples that exceeded the ESL were generally in the primary source area of former diesel pump island with the exception of E-49 in King Street. PSC also compared analytical data with the ESL for shallow and deep soil for residential and commercial/industrial properties where groundwater is not a current or potential drinking water resource. Summaries of these comparisons are presented in Table 7A and 7B.

Based on extrapolation of TPH-d concentrations in soil at the Site, areas with concentrations exceeding the gross contamination ESL include approximately 600-700 ft² at the former diesel pump island and approximately 100-150 ft² located near E-49 in King Street. In addition to the primary source area, residual petroleum-hydrocarbon concentrations above the final ESL are encountered in a 8,200 ft² area that includes the former diesel pump island, shared diesel UST excavation, and former 350-gallon waste oil UST excavation.

Based upon soil boring logs and geological cross-sections, the thickness of residual petroleum hydrocarbons at the Site is approximately seven feet in shallow soil and 10 feet in deeper soil. Groundwater is encountered at a depth of approximately 20 feet bgs in most areas of the Site and unsaturated soil impact is limited to a depth of approximately 12 feet bgs beneath the Site. Using an average concentration of samples exceeding the ESL, PSC estimates that 5,782 kg of residual TPH-d remain in unsaturated soil beneath the Site. PSC believes that this estimate is conservative and the actual contaminant mass at the Site is much less, because contaminant migration in the silt and clay soil occurred along preferential pathways.

3.11 Residual Petroleum Hydrocarbons in Groundwater

Groundwater grab samples collected from open boreholes during historic Site investigations are not representative of groundwater quality and could have residual petroleum hydrocarbons in suspended sediments. Based on this opinion, concentrations of TPH-d in groundwater grab samples summarized in Table 4 were not included in the ESL comparisons. Groundwater is encountered in semi-confined conditions at a depth of approximately 20 feet bgs over most of the Site. The rise in water levels after encountering the permeable zone at the Site indicates an upward vertical gradient on groundwater.

Groundwater samples collected following the installation of the four groundwater-monitoring wells detected the highest TPH-d concentrations in MW-102 at 160 μ g/L. The groundwater analytical data from the July 2009 monitoring event indicates that TPH-d concentrations in groundwater samples from the monitoring wells were below the ESL of 210 μ g/L for sites where groundwater is not a current or potential drinking water resource. Concentrations of PAHs were not detected in any groundwater samples analyzed from the July 2009 quarterly groundwater-monitoring event.

Laboratory analytical data from the July 2009 groundwater-monitoring event indicates that concentrations of TPH-d were detected in DW-1 at 1,000 μ g/L. PSC believes that the water in DW-1 is perched in the granular backfill of the former shared excavation for the back-up oven fuel tanks. PSC anticipated significant TPH-d concentrations in DW-1, however free-phase petroleum product has not been observed in the dewatering well.

3.12 Tier 1 Risk Assessment Conclusions

Soil contaminated with residual petroleum hydrocarbons beneath the Site is primarily located around the former diesel pump island and shared excavation for the former back-up oven fuel tanks. Concentrations of TPH-d in soil exceeding the gross contamination ceiling levels for commercial/industrial sites where groundwater is not a current or potential drinking water

resource are located in an approximate 600-700 ft^2 area at the former diesel pump island and an approximate 150 ft^2 area beneath King Street. Concentrations of TPH-d in soil that exceed the final ESL for both residential and commercial/industrial sites where groundwater is not a current or potential drinking water resource are located in an approximate 8,200 ft^2 area around the former diesel pump island, shared excavation for former back-up oven fuel tanks, and former 350-gallon waste oil UST excavation.

Concentrations of TPH-d in groundwater encountered in the active monitoring wells is limited and does not exceed the groundwater ESL for commercial/industrial sites where groundwater is not a current or potential drinking water resource. Based on the length of time that soil and perched water have been impacted by residual petroleum hydrocarbons at the Site, migration through the shallow aquifer is considered minimal. PSC believes that this is due to the limited hydraulic connection between the perched water in the former UST excavations and the semi-confined nature of the shallow aquifer.

Concentrations of TPH-d in soil and groundwater beneath the Site do not pose a risk to human health or the environment based upon the following documented conditions.

- 1. The Site is a commercial/industrial property and given its close proximity to Interstate 880 and the San Francisco Bay, will remain commercial/industrial for the foreseeable future.
- 2. The Site and surrounding vicinity is covered with either pavement or structures that limits direct exposure of industrial and commercial workers to residual petroleum hydrocarbons in soil and groundwater.
- 3. Shallow groundwater in the vicinity of the Site is not suitable as a drinking water resource due to low yield. Deep groundwater in the vicinity of the site is not suitable for drinking water due to potential salt-water intrusion.
- 4. Concentrations of TPH-d in soil beneath the Site exceed the leaching to groundwater ESL in an approximate 8,200-ft² area. However, based on the length of time that the soil has been impacted and the concentrations of TPH-d in groundwater well samples from July 2009, leaching to groundwater is occurring at a very slow rate.
- 5. Residual petroleum-hydrocarbon impact to groundwater at the Site appears to be influenced by permeable granular backfill material in the former diesel UST system excavations. A modified pump test indicated that the hydraulic connection between perched water in the former shared diesel UST excavation and the lower permeable zone is limited to monitoring well, MW-102. TPH-d concentration in well MW-102 was below the ESL of 210 µg/l.

4.0 CASE CLOSURE JUSTIFICATION

Based upon soil and groundwater data obtained from subsurface investigations performed at the Site and the assessment of risk to potential sensitive receptors, both PSC and Earthgrains believe that no further corrective action is necessary for the unauthorized release of petroleum hydrocarbons at the Site. Therefore, PSC and Earthgrains request final closure for the 1990 environmental case.

4.1 Summary of Historic Corrective Action

Earthgrains installed and operated eight UST systems at the Site from 1967 to 2005 for fleet operations and back-up oven fuel storage. Historic subsurface investigation and corrective action were performed from 1989 through 1996 for an unauthorized diesel UST system release at the Site. Earthgrains obtained case closure in April 1996 after performing a Tier 1 Risk Assessment in accordance with the American Society of Testing and Materials (ASTM), Emergency Standard Guide for Risk-Based Corrective Action Applied at Petroleum Release Sites ES 38-94.

Earthgrains reported an additional unauthorized diesel UST system release at the Site in 2003 following the discovery of petroleum hydrocarbons during product piping modifications at a diesel pump island. Since the Tier 1 Risk Assessment report indicated that residual petroleum hydrocarbons remained in soil near the 2003 diesel UST system release area, the exact source of the petroleum hydrocarbons was undetermined.

Detailed investigations performed in 2006 and 2007 indicate that subsurface soils at the Site consist of silt and clay to a depth of approximately 20 feet bgs, where a sand and gravel layer is first encountered. Groundwater in this permeable layer is under semi-confined conditions. Perched water is encountered in the gravel backfill material of the former shared diesel UST excavation and shallow silty-sand layers above 20 feet bgs at the Site.

Based upon comparisons of 275 soil samples collected since 1989, an area of approximately 8,200 ft² may be impacted with residual petroleum hydrocarbons above the residential ESL. Approximately 800 ft² of this area exceeds the gross contamination ESL and defines the primary source area with an additional 150 ft² located beneath King Street. PSC has conservatively estimated the residual mass of petroleum hydrocarbons at 5,782 kg.

An approximate 8,200-ft² area exceeds the final ESL for soil leaching to groundwater at the Site. However, a 2009 groundwater investigation performed to assess and evaluate source area removal by excavation indicated that contaminated soil is not leaching to groundwater at a significant rate. Petroleum-hydrocarbon impact to groundwater beneath the Site appears to be influenced by permeable granular material used to backfill the former diesel pump island and shared diesel UST excavation. A modified pump test performed in 2009 indicated that the hydraulic connection of perched water in the former shared diesel UST excavation to the lower permeable zone is limited only to MW-102 at the Site. Samples from MW-102 have not exceeded the ESL of 210 µg/L.

4.2 Rationale for Environmental Case Closure

The Site is located on a commercial/industrial property and given its close proximity to Interstate 880 and San Francisco Bay, will remain commercial/industrial for the foreseeable future. The Site and surrounding vicinity is covered with either pavement or structures that limit the direct exposure of industrial and/or commercial workers to residual petroleum hydrocarbons in soil and groundwater. Soil vapor intrusion will not occur because of the non-volatile nature of diesel fuel, silt and clay soil, and the elevated first floor slab of the plant.

Based on the January 2009 groundwater investigation, the release of petroleum hydrocarbons does not appear to have migrated significantly since the diesel UST system release in 1989. Residual TPH-d concentrations in soil are similar to TPH-d concentrations remaining from the 1996 environmental case closure. Groundwater impact in the aquifer does not exceed the commercial industrial ESL for sites where groundwater is not a current or potential drinking water resource.

Source removal by excavation is a feasible remedial option at the Site. However, dewatering the former shared UST excavation and implementing engineering controls during earthwork significantly increases the cost of source removal. Although excavation and disposal of the primary source area would remove a significant mass of residual petroleum hydrocarbons in the soil, TPH-d concentrations above the residential final ESL will remain in soil at the Site. Source removal should decrease the time for natural attenuation, but not at a significant rate. Therefore, it is the opinion of PSC and Earthgrains that source removal is not cost-effective corrective action for the Site.

PSC formally request closure for the LUFT incident at the Site. This request is based on the following observed conditions.

- The surface of the Site is covered by either buildings, asphalt or concrete pavement;
- The Site is and will likely remain a commercial/industrial property for the foreseeable future;
- Groundwater is not suitable for a drinking water resource;
- No significant groundwater impact was observed outside the perched water encountered in the former diesel USTs gravel filled excavation;
- Direct exposure to TPH-d by industrial workers is not probable due to the depth of contamination and concrete or asphalt cover;
- Direct exposure to TPH-d by construction workers is limited to deep trench work (>10 feet); and
- Migration to surface water of TPH-d is not probable based on the silty clay soils and the length of any potential migration pathway.

5.0 **References**

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TABLES

Earthgrains Baking Companies, Inc. 955 Kennedy Street Oakland, California 94606

Environmental Screening Levels (mg/kg) Commercial/Industrial Land Use			Benzene	Toluene	Ethylbenzene	Total Xylenes	МТВЕ	TPH-g	TPH-d	TPH-mo
Lea	ching to Grour	ndwater ESL	2.0	9.3	4.7	11	8.4	180	180	-
Gross	Contamination	Ceiling ESL	870	650	400	420	500	500	500	2,500
Direct Expos	ure (Industrial V	Worker) ESL	0.27	210	5.0	100	65	450	450	3,700
	Final	ESL for Soil	0.27	9.3	4.7	11	8.4	180	180	2,500
Sample Identification	Collection Date	Depth (feet bgs)			Sai	mple Concentrat	tion (mg/kg)			
AA-1603 (Tank 1N)	10/12/1989	8 - 10	<0.05	<0.1	<0.1	<0.3	NA	NA	<10	<20
OAK-14BT	12/28/1990	3	<0.005	<0.005	<0.005	<0.005	NA	<1.0	8.9	<50
OAK-15NTW	12/28/1990	2 - 3	0.02	<0.005	0.007	0.01	NA	<1.0	71	1,300
OAK-16TP1	12/28/1990	2 - 3	0.15	0.01	0.54	0.66	NA	15	40	2,700
OAK-17IE	01/05/1991	4	<0.005	<0.005	<0.005	<0.005	NA	<1.0	<5.0	<50
OAK-18IE	01/05/1991	4	<0.005	<0.005	<0.005	<0.005	NA	<1.0	<5.0	<50
OAK-19IE	01/05/1991	4	<0.005	<0.005	<0.005	<0.005	NA	<1.0	<5.0	<50
OAK-20IE	01/05/1991	4	<0.005	<0.005	<0.005	<0.005	NA	<1.0	<5.0	<50
OAK-30SSI	01/05/1991	6	<0.005	<0.005	<0.005	<0.005	NA	<1.0	<5.0	<50
OAK-WOT1	01/28/1991	8	<0.005	<0.005	<0.005	<0.005	NA	<1.0	<5.0	<50
MW-2	08/27/1992	5	<0.005	<0.005	<0.005	<0.005	NA	<0.5	NA	NA
Probe Hole-1	04/09/2003	4.5	<0.62	<0.62	<0.62	<0.62	NA	NA	3,300	NA
Probe Hole-2	04/09/2003	3.5	NA	NA	NA	NA	NA	NA	NA	<50
Trench-1	03/08/2005	4	<0.005	<0.005	<0.005	<0.005	<0.010	<1.0	<1.0	NA
Trench-2	03/08/2005	4	<0.005	<0.005	<0.005	<0.005	<0.010	<1.0	<1.0	NA
Trench-3	03/08/2005	4	<0.005	<0.005	<0.005	<0.005	<0.010	<1.0	<1.0	NA
Trench-4	03/08/2005	4	<0.005	<0.005	<0.005	<0.005	<0.010	<1.0	<1.0	NA
Trench-5	03/08/2005	4	<0.005	<0.005	<0.005	<0.005	<0.010	48	1,700	NA
Excavation-1	03/09/2005		<0.005	<0.005	<0.005	<0.005	<0.010	<1.0	<1.0	NA
Excavation-2	03/09/2005		<0.005	<0.005	<0.005	<0.005	<0.010	<1.0	<1.0	NA

S:\Shared\UST\Sara Lee\Project\California\Oakland (955 Kennedy Street)\2009 - Tier 1 Risk Assessment and NFA Request\Closure Tables\2009_09_04 - Closure Request Tables.xls / T1A H. <3m Soil Lab

Environmental Screening Levels (mg/kg) Commercial/Industrial Land Use		Benzene	Toluene	Ethylbenzene	Total Xylenes	МТВЕ	TPH-g	TPH-d	TPH-mo	
Lea	aching to Grour	ndwater ESL	2.0	9.3	4.7	11	8.4	180	180	-
Gross	Contamination	Ceiling ESL	870	650	400	420	500	500	500	2,500
Direct Expos	ure (Industrial V	Worker) ESL	0.27	210	5.0	100	65	450	450	3,700
	Final	ESL for Soil	0.27	9.3	4.7	11	8.4	180	180	2,500
Sample Identification	Collection Date	Depth (feet bgs)			Sar	nple Concentra	tion (mg/kg)			
E1	09/15/2006	4.5	<0.005	<0.005	<0.005	<0.005	<0.005	4.0	17	NA
E1	09/15/2006	8	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA
E2	09/15/2006	8	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA
E3	09/22/2006	4	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	1.8	NA
E3	09/22/2006	8	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	1.0	NA
E5	09/12/2006	5	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	1.7	NA
E6	09/12/2006	5	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	1.7	NA
E6	09/12/2006	9	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	32	NA
E7	09/12/2006	2.5	<0.005	<0.005	<0.005	<0.005	<0.005	2.6	73	NA
E7	09/15/2006	3.5	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	1.6	NA
E7	09/15/2006	8	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	1.4	NA
E8	09/12/2006	5.5	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	1.3	NA
E11	09/12/2006	5	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA
E13	09/15/2006	5	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	1.1	NA
E13	09/15/2006	8	NA	NA	NA	NA	NA	NA	<1.0	NA
E14	09/15/2006	4.5	<0.005 <0.005 <0.005 <0.005 <1.0					1.3	NA	
E14	09/15/2006	8	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA
E15	09/21/2006	4	<0.005	<0.005	<0.005	< 0.005	<0.005	<1.0	<1.0	NA
E15	09/21/2006	8.5	<0.005	<0.005	<0.005	< 0.005	<0.005	<1.0	<1.0	NA

Environmental So Commercial/I	reening Levels ndustrial Land	(mg/kg) Use	Benzene	Toluene	Ethylbenzene	Total Xylenes	МТВЕ	TPH-g	TPH-d	TPH-mo
Lea	aching to Grour	ndwater ESL	2.0	9.3	4.7	11	8.4	180	180	-
Gross	Contamination	Ceiling ESL	870	650	400	420	500	500	500	2,500
Direct Expos	ure (Industrial V	Worker) ESL	0.27	210	5.0	100	65	450	450	3,700
	Final I	ESL for Soil	0.27	9.3	4.7	11	8.4	180	180	2,500
Sample Identification	Collection Date	Depth (feet bgs)			Sar	nple Concentra	tion (mg/kg)			
E17	09/21/2006	8	NA	NA	NA	NA	NA	NA	1.6	NA
E23	09/22/2006	8	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	3.6	NA
E24	09/22/2006	4	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	1.5	NA
E24	09/22/2006	8.5	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	1.1	NA
E26	09/21/2006	4	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	4.1	<10
E27	09/13/2006	5	<0.005	<0.005	<0.005	<0.005	<0.005	NA	1.2	NA
E27	09/13/2006	8.5	<0.005	<0.005	<0.005	<0.005	<0.005	NA	1.2	NA
E28	09/11/2006	4.5	<0.005	<0.005	<0.005	<0.005	<0.005	NA	76	NA
E29	09/13/2006	2	<0.005	<0.005	<0.005	<0.005	<0.005	NA	8,300	NA
E29	09/21/2006	4	<0.005	<0.005	<0.005	<0.005	<0.005	31	3,100	<20
E29	09/21/2006	8	<0.005	<0.005	<0.005	<0.005	<0.005	140	3,800	<20
E30	09/11/2006	4	<0.005	<0.005	<0.005	<0.005	<0.005	NA	3.8	NA
E30	09/11/2006	8	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<1.0	NA
E31	09/11/2006	6.5	<0.005	<0.005	<0.005	<0.005	<0.005	NA	44	NA
E32	09/13/2006	4	<0.005	<0.005	<0.005	<0.005	<0.005	NA	1.3	NA
E32	09/13/2006	8.5	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<1.0	NA
E33	09/11/2006	4.5	< 0.005	<0.005	<0.005	<0.005	<0.005	NA	520	NA
E33	09/11/2006	8	< 0.005	<0.005	<0.005	<0.005	<0.005	NA	30	NA

Environmental So Commercial/	creening Levels Industrial Land	(mg/kg) Use	Benzene Toluene Ethylbenzene			Total Xylenes	МТВЕ	TPH-g	TPH-d	TPH-mo
Lea	aching to Grour	ndwater ESL	2.0	9.3	4.7	11	8.4	180	180	-
Gross	Contamination	Ceiling ESL	870	650	400	420	500	500	500	2,500
Direct Expos	ure (Industrial V	Worker) ESL	0.27	210	5.0	100	65	450	450	3,700
	Final	ESL for Soil	0.27	9.3	4.7	11	8.4	180	180	2,500
Sample Identification	Collection Date	Depth (feet bgs)			Sar	nple Concentra	tion (mg/kg)			
E34	09/13/2006	4	<0.005	<0.005	<0.005	< 0.005	<0.005	NA	1.1	NA
E34	09/13/2006	8	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<1.0	NA
E35	09/11/2006	6	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<1.0	NA
E36	09/11/2006	4	<0.005	<0.005	<0.005	<0.005	<0.005	NA	1.6	NA
E36	09/11/2006	8.5	<0.005	<0.005	<0.005	<0.005	<0.005	NA	1.3	NA
E37	09/13/2006	4	<0.005	<0.005	<0.005	<0.005	<0.005	NA	1.4	NA
E37	09/13/2006	9.5	<0.005	<0.005	<0.005	<0.005	<0.005	NA	1.5	NA
E38	09/13/2006	4	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<1.0	NA
E38	09/13/2006	8	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<1.0	NA
E39	09/13/2006	4	<0.005	<0.005	<0.005	<0.005	<0.005	NA	1.3	NA
E39	09/13/2006	9.5	<0.005	<0.005	<0.005	<0.005	<0.005	NA	3.5	NA
E40	09/13/2006	4.5	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<1.0	NA
E40	09/13/2006	8	<0.005	<0.005	<0.005	<0.005	<0.005	NA	2.8	NA
E41	03/28/2007	5	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	4.5	19
E42	03/29/2007	5	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	1.6	< 10
E43	03/29/2007	5	< 0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	8.8	29
E44	03/28/2007	5	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	5.6	20
E45	03/29/2007	5	<0.005	<0.005	< 0.005	<0.005	<0.005	< 1.0	19	92

Environmental So Commercial/I	reening Levels ndustrial Land	(mg/kg) Use	Benzene	Toluene	Ethylbenzene	Total Xylenes	МТВЕ	TPH-g	TPH-d	TPH-mo
Lea	aching to Grour	ndwater ESL	2.0	9.3	4.7	11	8.4	180	180	-
Gross	Contamination	Ceiling ESL	870	650	400	420	500	500	500	2,500
Direct Expos	ure (Industrial V	Worker) ESL	0.27	210	5.0	100	65	450	450	3,700
	Final	ESL for Soil	0.27	9.3	4.7	11	8.4	180	180	2,500
Sample Identification	Collection Date	Depth (feet bgs)			Sai	nple Concentra	tion (mg/kg)			
E46	03/29/2007	5	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	1.7	< 10
E47	03/28/2007	5	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	80	NA
E48	03/28/2007	4	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	2.5	NA
E48	03/28/2007	9	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	2.4	NA
E49	03/29/2007	5	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	26	NA
E49	03/29/2007	8.5	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	560	NA
E50	03/28/2007	5	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	65	NA
E51	03/28/2007	5	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	24	NA
E52	03/28/2007	5.5	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	1.4	NA
MW-101 (5-6.5)	01/19/2009	5 - 6.5	< 0.005	< 0.005	< 0.005	< 0.005	NA	NA	< 1.0	NA
MW-101 (8.5-10)	01/19/2009	8.5 - 10	< 0.005	< 0.005	< 0.005	< 0.005	NA	NA	< 1.0	NA
MW-102 (5-6.5)	01/20/2009	5 - 6.5	< 0.005	< 0.005	< 0.005	< 0.005	NA	NA	< 1.0	NA
MW-102 (8.5-10)	01/20/2009	8.5 - 10	< 0.005	< 0.005	< 0.005	< 0.005	NA	NA	< 1.0	NA
MW-103 (5-6.5)	01/19/2009	5 - 6.5	< 0.005	< 0.005	< 0.005	< 0.005	NA	NA	< 1.0	NA
MW-103 (8.5-10)	01/19/2009	8.5 - 10	<0.005 < 0.005 < 0.005 < 0.005 NA NA < 1.0						< 1.0	NA
MW-104 (5-6.5)	01/20/2009	5 - 6.5	< 0.005	< 0.005	< 0.005	< 0.005	NA	NA	< 1.0	NA
MW-104 (8.5-10)	01/20/2009	8.5 - 10	< 0.005	< 0.005	< 0.005	< 0.005	NA	NA	370	NA

Earthgrains Baking Companies, Inc. 955 Kennedy Street Oakland, California 94606

Environmental Screening Levels (mg/kg) Commercial/Industrial Land Use			Benzene	Toluene	Ethylbenzene	Total Xylenes	МТВЕ	TPH-g	TPH-d	TPH-mo
Lea	aching to Groui	ndwater ESL	2.0 9.3 4.7 11 8.4 180 180							-
Gross	Gross Contamination Ceiling ESL		- 870 650 400 420 500 500						500	2,500
Direct Expos	ure (Industrial)	Worker) ESL	0.27	210	5.0	100	65	450	450	3,700
	Final	ESL for Soil	0.27	9.3	4.7	11	8.4	180	180	2,500
Sample Identification	Collection Date	Depth (feet bgs)		Sample Concentration (mg/kg)						
DW-1 (5-6.5)	01/20/2009	5 - 6.5	< 0.005	< 0.005	< 0.005	< 0.005	NA	NA	53	NA
DW-1 (8.5-10)	01/20/2009	8.5 - 10	< 0.005	< 0.005	< 0.005	< 0.005	NA	NA	1,700	NA

Notes:

mg/kg - Milligrams-per-kilogram

MTBE - Methyl Tertiary Butyl Ether.

TPH-g - Total Petroleum Hydrocarbons quantified as gasoline.

TPH-d - Total Petroleum Hydrocarbons quantified as diesel.

TPH-mo - Total Petroleum Hydrocarbons quantified as motor oil.

NA - Not Analyzed.

ESL - SFBRWQCB Environmental Screening Levels, Table B-2 (May 2008)

Reported value exceeds associated ESL.
Environmental So Commercial/I	Environmental Screening Levels (mg/kg) Commercial/Industrial Land Use			Toluene	Ethylbenzene	Total Xylenes	МТВЕ	TPH-g	TPH-d	TPH-mo
Lea	ching to Grour	ndwater ESL	2.0	9.3	4.7	11	8.4	180	180	-
Gross	Contamination	Ceiling ESL	870	650	400	420	1,000	5,000	5,000	5,000
Direct Exposure (C	onst. Worker T	rench) ESL	12	650	210	420	2,800	4,200	4,200	12,000
	Final	ESL for Soil	2.0	9.3	4.7	11	8.4	180	180	5,000
Sample Identification	Collection Date	Depth (feet bgs)	Sample Concentration (mg/kg)							
AA-1602 (Tank 2N)	10/12/1989	14 - 16	<0.05	<0.1	<0.1	<0.3	NA	NA	<10	NA
AA-1601 (Tank 2S)	10/12/1989	14 - 16	<0.05	<0.1	<0.1	<0.3	NA	NA	<10	NA
AA-1599 (Tank 3S)	10/12/1989	14 - 16	<0.05	<0.1	<0.1	<0.3	NA	NA	<10	NA
AA-1597 (Tank 4S)	10/12/1989	14 - 16	<0.05	<0.1	<0.1	<0.3	NA	NA	<10	NA
OAK-1ND	12/12/1990	10	<0.005	<0.005	<0.005	<0.005	NA	<1.0	<5.0	NA
OAK-2SD	12/12/1990	10	<0.005	<0.005	0.006	0.017	NA	1.5	320	NA
OAK-3SG	12/12/1990	10	<0.005	<0.005	<0.005	<0.005	NA	<1.0	NA	NA
OAK-4NG	12/12/1990	10	<0.005	<0.005	<0.005	<0.005	NA	<1.0	NA	NA
OAK-9SD	12/14/1990	12	<0.005	<0.005	<0.005	<0.005	NA	<1.0	<5.0	NA
OAK-11WG	12/14/1990	12	<0.005	<0.005	<0.005	<0.005	NA	<1.0	<5.0	NA
OAK-10ED	12/14/1990	12	<0.005	<0.005	<0.005	<0.005	NA	<1.0	<5.0	NA
MW-1	08/27/1992	10	<0.005	<0.005	<0.005	<0.005	NA	NA	560	<10
MW-1	08/27/1992	15	<0.005	<0.005	<0.005	<0.005	NA	NA	<10	<10
MW-2	08/27/1992	10	<0.005	<0.005	<0.005	<0.005	NA	NA	83	<10
MW-2	08/27/1992	12	<0.005 <0.005 <0.005 <0.005 NA <0.5 NA NA						NA	
MW-2	08/27/1992	15	<pre><0.005 <0.005 <0.005 <0.005 NA NA <10 <10</pre>						<10	
MW-2	08/27/1992	17	<0.005 <0.005 <0.005 <0.005 NA 1.3 * NA NA							NA
MW-2	08/27/1992	20	<0.005	<0.005	<0.005	<0.005	NA	<0.5	NA	NA

Environmental S Commercial/	creening Levels Industrial Land	s (mg/kg) Use	Benzene Toluene Ethylbenzene Total Xylen				МТВЕ	TPH-g	TPH-d	TPH-mo
Le	aching to Grour	ndwater ESL	2.0	9.3	4.7	11	8.4	180	180	-
Gross	Contamination	Ceiling ESL	SL 870 650 400 420 1,000 5,000 5,000						5,000	
Direct Exposure (Const. Worker 1	French) ESL	12	12 650 210 420 2,800 4,200 4,200						
	Final	ESL for Soil	2.0	2.0 9.3 4.7 11 8.4 180 180						
Sample Identification	Collection Date	Depth (feet bgs)	Sample Concentration (mg/kg)							
MW-3	08/26/1992	20	<0.005	<0.005	<0.005	<0.005	NA	4.0*	<10	<10
MW-5	08/26/1992	20	<0.005	<0.005	<0.005	<0.005	NA	<0.5	<10	<10
E1	09/15/2006	11.5	<0.005	<0.005	<0.005	<0.005	<0.005	3.5	710	NA
E1	09/15/2006	16	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	5.8	NA
E1	09/15/2006	20	<0.005	<0.005	< 0.005	<0.005	<0.005	<1.0	5.2	NA
E2	09/15/2006	12	<0.005	<0.005	<0.005	<0.005	<0.005	8.0	860	NA
E2	09/15/2006	16	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	1.7	NA
E3	09/22/2006	12	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA
E3	09/22/2006	16	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA
E3	09/22/2006	20	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA
E4	09/12/2006	10	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	5.6	NA
E5	09/12/2006	10	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA
E5	09/12/2006	15	<0.005	<0.005	<0.005	<0.005	0.017	<1.0	<1.0	NA
E5	09/12/2006	20	<0.005	<0.005	<0.005	<0.005	0.020	<1.0	<1.0	NA
E6	09/12/2006	10	<0.005 <0.005 <0.005 <0.005 <0.005 <1.0 4.1 NA						NA	
E7	09/15/2006	12	NA	NA NA NA NA NA <1.0 NA						
E7	09/15/2006	16	NA	NA	NA	NA	NA	NA	<1.0	NA

Environmental Screening Levels (mg/kg) Commercial/Industrial Land Use			Benzene	Toluene	Ethylbenzene	Total Xylenes	МТВЕ	TPH-g	TPH-d	TPH-mo
Lea	aching to Grour	ndwater ESL	2.0	9.3	4.7	11	8.4	180	180	-
Gross	Contamination	Ceiling ESL	870	650	400	420	1,000	5,000	5,000	5,000
Direct Exposure (Const. Worker T	rench) ESL	12	650	210	420	2,800	4,200	4,200	12,000
	Final	ESL for Soil	2.0	9.3	4.7	11	8.4	180	180	5,000
Sample Identification	Collection Date	Depth (feet bgs)	Sample Concentration (mg/kg)							
E8	09/12/2006	10	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA
E8	09/12/2006	15	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA
E8	09/12/2006	20	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA
E9	09/21/2006	20	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	1.3	NA
E10	09/21/2006	16	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA
E10	09/21/2006	20	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA
E11	09/12/2006	10.5	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA
E11	09/12/2006	15	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA
E11	09/12/2006	20	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA
E12	09/12/2006	10	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	1.5	NA
E13	09/15/2006	12	NA	NA	NA	NA	NA	NA	<1.0	NA
E13	09/15/2006	18.5	NA	NA	NA	NA	NA	NA	<1.0	NA
E14	09/15/2006	15	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA
E15	09/21/2006	12	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA
E15	09/21/2006	19	<0.005 <0.005 <0.005 <0.005 <0.005 <1.0 <1.0						NA	
E16	09/12/2006	10.5	<0.005 <0.005 <0.005 <0.005 <0.005 <1.0 <1.0 N/						NA	
E17	09/21/2006	12	NA NA NA NA NA AA <1.0 NA							NA
E17	09/21/2006	19	NA	NA	NA	NA	NA	NA	1.5	NA

Environmental Screening Levels (mg/kg) Commercial/Industrial Land Use			Benzene	Toluene	Ethylbenzene	Total Xylenes	МТВЕ	TPH-g	TPH-d	TPH-mo
Lea	aching to Grour	ndwater ESL	2.0	9.3	4.7	11	8.4	180	180	-
Gross	Contamination	Ceiling ESL	870	650	400	420	1,000	5,000	5,000	5,000
Direct Exposure (Const. Worker T	rench) ESL	12	650	210	420	2,800	4,200	4,200	12,000
	Final	ESL for Soil	2.0	9.3	4.7	11	8.4	180	180	5,000
Sample Identification	Collection Date	Depth (feet bgs)	Sample Concentration (mg/kg)							
E19	09/15/2006	14.5	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA
E23	09/22/2006	12	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	1.1	NA
E23	09/22/2006	16	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA
E24	09/22/2006	15	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	1.6	NA
E25	09/13/2006	10	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	23	NA
E26	09/21/2006	11	<0.005	<0.005	<0.005	<0.005	<0.005	1.2	470	22
E26	09/21/2006	13	<0.005	<0.005	<0.005	<0.005	<0.005	5.2	260	28
E26	09/21/2006	19	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	1.2	<10
E28	09/11/2006	10	<0.005	<0.005	<0.005	<0.005	<0.005	NA	58	NA
E28	09/11/2006	15	<0.005	<0.005	<0.005	<0.005	<0.005	NA	5.8	NA
E29	09/21/2006	12	<0.005	<0.005	<0.005	<0.005	<0.005	4.7	590	17
E29	09/21/2006	14	<0.005	<0.005	<0.005	<0.005	<0.005	6.9	200	<10
E29	09/21/2006	16	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	1.5	<10
E30	09/11/2006	12	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<1.0	NA
E30	09/11/2006	15	<0.005 <0.005 <0.005 <0.005 <0.005 NA <1.0 N						NA	
E31	09/11/2006	10.5	<0.005 <0.005 <0.005 <0.005 <0.005 NA 300 N/						NA	
E31	09/11/2006	14.5	<0.005	<0.005 <0.005 <0.005 <0.005 <0.005 <0.005 NA 8.0 NA						
E31	09/11/2006	16	<0.005	<0.005	<0.005	<0.005	<0.005	NA	5.0	NA

Environmental Screening Levels (mg/kg) Commercial/Industrial Land Use			Benzene	Toluene	Ethylbenzene	Total Xylenes	МТВЕ	TPH-g	TPH-d	TPH-mo
Lea	aching to Grour	ndwater ESL	2.0	9.3	4.7	11	8.4	180	180	-
Gross	Contamination	Ceiling ESL	870	650	400	420	1,000	5,000	5,000	5,000
Direct Exposure (Const. Worker T	rench) ESL	12	650	210	420	2,800	4,200	4,200	12,000
	Final	ESL for Soil	2.0 9.3 4.7 11 8.4 180 180						5,000	
Sample Identification	Collection Date	Depth (feet bgs)	Sample Concentration (mg/kg)							
E33	09/11/2006	12	<0.025	<0.025	<0.025	<0.025	<0.025	NA	7,500	NA
E33	09/11/2006	16	<0.005	<0.005	<0.005	<0.005	<0.005	NA	6.9	NA
E34	09/13/2006	12	<0.005	<0.005	<0.005	<0.005	<0.005	NA	19	NA
E34	09/13/2006	19	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<1.0	NA
E35	09/11/2006	10	<0.005	<0.005	<0.005	<0.005	<0.005	NA	570	NA
E35	09/11/2006	14	<0.005	<0.005	<0.005	<0.005	<0.005	NA	2.3	NA
E35	09/11/2006	18	<0.005	<0.005	<0.005	<0.005	<0.005	NA	35	NA
E35	09/11/2006	21	<0.005	<0.005	<0.005	<0.005	<0.005	NA	1.2	NA
E36	09/11/2006	10	<0.005	<0.005	<0.005	<0.005	<0.005	NA	5,100	NA
E36	09/11/2006	15	<0.005	<0.005	<0.005	<0.005	<0.005	NA	1.9	NA
E37	09/13/2006	12.5	<0.005	<0.005	<0.005	<0.005	<0.005	NA	410	NA
E37	09/13/2006	15	<0.005	<0.005	<0.005	<0.005	<0.005	NA	2.4	NA
E38	09/13/2006	11	<0.005	<0.005	<0.005	<0.005	<0.005	NA	420	NA
E38	09/13/2006	12	<0.005	<0.005	<0.005	<0.005	<0.005	NA	140	NA
E38	09/13/2006	16	<pre><0.005 <0.005 <0.005 <0.005 <0.005 NA 1.0 N</pre>						NA	
E38	09/13/2006	19	<0.005 <0.005 <0.005 <0.005 <0.005 <0.005 NA <1.0 N						NA	
E39	09/13/2006	12.5	<0.005	<0.005 <0.005 <0.005 <0.005 <0.005 NA 37 NA						
E39	09/13/2006	17.5	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<1.0	NA

Environmental Se Commercial/	creening Levels Industrial Land	: (mg/kg) Use	Benzene	Toluene	Ethylbenzene	Total Xylenes	МТВЕ	TPH-g	TPH-d	TPH-mo
Lea	aching to Grour	ndwater ESL	2.0	9.3	4.7	11	8.4	180	180	-
Gross	Contamination	Ceiling ESL	870 650 400 420 1,000 5,000 5,000							5,000
Direct Exposure (Const. Worker T	rench) ESL	12	12 650 210 420 2,800 4,200 4,200						12,000
	Final	ESL for Soil	2.0	2.0 9.3 4.7 11 8.4 180 180						
Sample Identification	Collection Date	Depth (feet bgs)	Sample Concentration (mg/kg)							
E40	09/13/2006	10	<0.005	<0.005	<0.005	<0.005	<0.005	NA	190	NA
E40	09/13/2006	12	<0.005	<0.005	<0.005	<0.005	<0.005	NA	18	NA
E40	09/13/2006	16	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<1.0	NA
E41	03/28/2007	10	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	33	180
E41	03/28/2007	15	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	1.7	< 10
E41	03/28/2007	20	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	< 1.0	< 10
E42	03/29/2007	10	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	17	15
E42	03/29/2007	15	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	1.3	< 10
E42	03/29/2007	20	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	< 1.0	< 10
E43	03/29/2007	10	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	7.2	23
E43	03/29/2007	15	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	2.5	< 10
E43	03/29/2007	20	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	< 1.0	< 10
E44	03/28/2007	10	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	< 1.0	< 10
E44	03/28/2007	15	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	< 1.0	< 10
E44	03/28/2007	20	<0.005 <0.005 <0.005 <0.005 <0.005 <1.0 < 1.0 <						< 10	
E45	03/29/2007	10	<pre><0.005 <0.005 <0.005 <0.005 <0.005 <1.4 350 <1</pre>						< 10	
E45	03/29/2007	15	<0.005	<0.005 <0.005 <0.005 <0.005 <0.005 <1.0 1.8 <10						
E45	03/29/2007	20	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	< 1.0	< 10

Environmental S Commercial/	Environmental Screening Levels (mg/kg) Commercial/Industrial Land Use			Toluene	Ethylbenzene	Total Xylenes	МТВЕ	TPH-g	TPH-d	TPH-mo
Le	aching to Grour	ndwater ESL	2.0	9.3	4.7	11	8.4	180	180	-
Gross	Contamination	Ceiling ESL	870	650	400	420	1,000	5,000	5,000	5,000
Direct Exposure (Const. Worker Trench) ESL 12 650 210 420						2,800	4,200	4,200	12,000	
	Final I	ESL for Soil	2.0	9.3	8.4	180	180	5,000		
Sample Identification	Collection Date	Depth (feet bgs)			Sa	ation (mg/kg)				
E46	03/29/2007	10	<0.005	<0.005	<0.005	< 0.005	<0.005	29	1,800	< 10
E46	03/29/2007	12	<0.005	<0.005	<0.005	<0.005	<0.005	21	180	< 10
E46	03/29/2007	15	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	1.2	< 10
E46	03/29/2007	20	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	< 1.0	< 10
E47	03/28/2007	10	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	27	NA
E47	03/28/2007	15	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	10	NA
E48	03/28/2007	12.5	<0.005	<0.005	<0.005	<0.005	<0.005	2.1	320	NA
E48	03/28/2007	15	<0.005	<0.005	<0.005	<0.005	<0.005	1.0	130	NA
E48	03/28/2007	20	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	< 1.0	NA
E49	03/29/2007	10	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	100	NA
E49	03/29/2007	15	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	14	NA
E49	03/29/2007	20	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	< 1.0	NA
E50	03/28/2007	10	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	100	NA
E50	03/28/2007	15	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	3.0	NA
E51	03/28/2007	10	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	390	NA
E51	03/28/2007	15	<0.005 <0.005 <0.005 <0.005 <1					< 1.0	< 1.0	NA
E51	03/28/2007	20	<0.005					< 1.0	NA	
E52	03/28/2007	10	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	3.4	NA
E52	03/28/2007	12.5	<0.005	<0.005	<0.005	< 0.005	<0.005	< 1.0	220	NA

Earthgrains Baking Companies, Inc. 955 Kennedy Street Oakland, California 94606

Environmental Sc Commercial/I	reening Levels ndustrial Land	⊧ (mg/kg) Use	Benzene	Toluene	Ethylbenzene	Total Xylenes	МТВЕ	TPH-g	TPH-d	TPH-mo
Lea	ching to Grour	ndwater ESL	2.0 9.3 4.7 11 8.4 180 180							-
Gross	Contamination	Ceiling ESL	870	870 650 400 420 1,000 5,000 5,000						5,000
Direct Exposure (C	onst. Worker T	rench) ESL	12	650	210	420	2,800	4,200	4,200	12,000
	Final I	ESL for Soil	2.0	2.0 9.3 4.7 11 8.4 180 180						
Sample Identification	Collection Date	Depth (feet bgs)	2.0 9.3 4.7 11 8.4 180 180 5,0 Sample Concentration (mg/kg)							
E52	03/28/2007	15.5	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	180	NA
E52	03/28/2007	20	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	< 1.0	NA
MW-101 (13.5-15')	01/19/2009	13.5 - 15	<0.005	<0.005	<0.005	<0.005	NA	NA	< 1.0	NA
MW-101 (18.5-20')	01/19/2009	18.5 - 20	<0.005	<0.005	<0.005	<0.005	NA	NA	< 1.0	NA
MW-102 (13.5-15')	01/20/2009	13.5 - 15	<0.005	<0.005	<0.005	<0.005	NA	NA	< 1.0	NA
MW-102 (18.5-20')	01/20/2009	18.5 - 20	<0.005	<0.005	<0.005	<0.005	NA	NA	< 1.0	NA
MW-103 (18.5-20')	01/19/2009	18.5 - 20	<0.005	<0.005	<0.005	<0.005	NA	NA	< 1.0	NA
MW-104 (13.5-15')	01/20/2009	13.5 - 15	<0.005	<0.005	<0.005	<0.005	NA	NA	< 1.0	NA
MW-104 (18.5-20')	01/20/2009	18.5 - 20	<0.005	<0.005	<0.005	<0.005	NA	NA	< 1.0	NA
DW-1 (10-11.5')	01/20/2009	10 - 11.5	< 0.005	0.005 <0.005 <0.005 <0.005 NA NA 16						NA
DW-1 (11.5-13')	01/20/2009	11.5 - 13	<0.005	5 <0.005 <0.005 <0.005 NA NA 8.4 N/						
DW-1 (13.5-15')	01/20/2009	13.5 - 15	<0.005	<0.005	<0.005	< 0.005	NA	NA	2.0	NA

Notes:

mg/kg - Milligrams-per-kilogram

MTBE - Methyl Tertiary Butyl Ether.

TPH-g - Total Petroleum Hydrocarbons quantified as gasoline.

TPH-g * - Laboratory statement that result is not typical of gasoline chromatograph, but possibly light-end diesel fraction.

TPH-d - Total Petroleum Hydrocarbons quantified as diesel.

TPH-mo - Total Petroleum Hydrocarbons quantified as motor oil.

NA - Not Analyzed.

ESL - SFBRWQCB Environmental Screening Levels, Table D-2 (May 2008)

Reported value exceeds associated ESL.

Earthgrains Baking Companies, Inc. 955 Kennedy Street Oakland, California 94606

Environmental Screening Levels (mg/kg) Commercial/Industrial Land Use			Benzene	Toluene	Ethylbenzene	Total Xylenes	МТВЕ	TPH-g	TPH-d	TPH-mo
Lea	aching to Grou	ndwater ESL	2.0	9.3	4.7	11	8.4	180	180	-
Gross	Contamination	Ceiling ESL	870	650	400	420	1,000	5,000	5,000	5,000
Direct Exposure (Const. Worker Trench) ESL 12 650 210 420 2,800 4,						4,200	4,200	12,000		
	Final	ESL for Soil	2.0	2.0 9.3 4.7 11 8.4 180						
Sample Identification	Collection Date	Depth (feet bgs)		Sample Concentration (mg/kg)						
MW-2	08/27/1992	25	<0.005	<0.005	<0.005	<0.005	NA	<0.5	NA	NA
MW-2	08/27/1992	28	<0.005	<0.005	<0.005	<0.005	NA	<0.5	NA	NA
MW-4	08/27/1992	21	<0.005	<0.005	<0.005	<0.005	NA	<0.5	<10	<10
E9	09/21/2006	24	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA
E9	09/21/2006	28	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA
E10	09/21/2006	24	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA
E10	09/21/2006	27.5	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA
E10	09/21/2006	32	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA
E35	09/11/2006	21	<0.005	<0.005	<0.005	<0.005	<0.005	NA	1.2	NA
E41	03/28/2007	25	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	< 1.0	< 10
E42	03/29/2007	25	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	1.2	< 10
E43	03/29/2007	25	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	< 1.0	< 10
E44	03/28/2007	24	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	< 1.0	< 10
E45	03/29/2007	25	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	< 1.0	< 10
E45	03/29/2007	28	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	< 1.0	< 10
E46	03/29/2007	25	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	< 1.0	< 10
E46	03/29/2007	28	<0.005 <0.005 <0.005 <0.005 <0.005 <1.0 <1.0 <						< 10	
E48	03/28/2007	25	<0.005	<0.005	<0.005	< 0.005	<0.005	< 1.0	< 1.0	NA
E49	03/29/2007	25	< 0.005	<0.005	<0.005	< 0.005	<0.005	< 1.0	< 1.0	NA
E49	03/29/2007	28	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	< 1.0	NA

S:\Shared\UST\Sara Lee\Project\California\Oakland (955 Kennedy Street)\2009 - Tier 1 Risk Assessment and NFA Request\Closure Tables\2009_09_04 - Closure Request Tables.xls / T1C H. >20ft Soil Lab

Earthgrains Baking Companies, Inc. 955 Kennedy Street Oakland, California 94606

Environmental Sc Commercial/I	reening Levels ndustrial Land	s (mg/kg) Use	Benzene	Benzene Toluene Ethylbenzene Total Xylene			МТВЕ	TPH-g	TPH-d	TPH-mo
Lea	ching to Groui	ndwater ESL	2.0	9.3	4.7	8.4	180	180	-	
Gross	Contamination	Ceiling ESL	870	870 650 400 420 1,000 5,000 5,000						
Direct Exposure (C	Const. Worker	French) ESL	12 650 210 420 2,800 4,200 4,200						12,000	
	Final	ESL for Soil	2.0 9.3 4.7 11 8.4 180 180						5,000	
Sample Identification	Collection Date	Depth (feet bgs)			Sai	nple Concentra	tion (mg/kg)			
MW-101 (23.5-25')	01/19/2009	23.5 - 25	<0.005	<0.005	<0.005	<0.005	NA	NA	< 1.0	NA
MW-101 (26.5-28')	01/19/2009	26.5 - 28	<0.005	<0.005	<0.005	<0.005	NA	NA	< 1.0	NA
MW-102 (23.5-25')	01/20/2009	23.5 - 25	< 0.005	<0.005	<0.005	< 0.005	NA	NA	< 1.0	NA
MW-102 (26.5-28')	01/20/2009	26.5 - 28	<0.005	<0.005	<0.005	<0.005	NA	NA	< 1.0	NA
MW-103 (23.5-25')	01/19/2009	23.5 - 25	< 0.005	< 0.005	<0.005	< 0.005	NA	NA	< 1.0	NA

Notes:

mg/kg - Milligrams-per-kilogram

MTBE - Methyl Tertiary Butyl Ether.

TPH-g - Total Petroleum Hydrocarbons quantified as gasoline.

TPH-d - Total Petroleum Hydrocarbons quantified as diesel.

TPH-mo - Total Petroleum Hydrocarbons quantified as motor oil.

NA - Not Analyzed.

ESL - SFBRWQCB Environmental Screening Levels, Table D-2 (May 2008)

Reported value exceeds associated ESL.

Table 2Historical Monitoring Well Construction Data

Earthgrains Baking Companies, Inc. 955 Kennedy Street Oakland, California 94606

Monitoring	Date	Casing Elevation ¹	Casing	Boring Depth	Well Depth	Boring Diameter	Casing Diameter	Slot Size	Screened Interval	Filter Pack Interval	Filter Pack
Well	Installed	(feet MSL)	Material	(feet bgs)	(feet bgs)	(inches)	(inches)	(inches)	(feet bgs)	(feet bgs)	Sand
MW-1	8/27/1992	10.64 ¹	PVC	31.0	25	8	2	0.010	18.0-25.0	15.5-25.0	#2/12
MW-2	8/27/1992	11.20 ¹	PVC	29.5	29.5	8	2	0.010	18.0-29.5	16.0-29.5	#2/12
MW-3	8/26/1992	10.92 ¹	PVC	27.0	27.0	8	2	0.010	7.0-27.0	6.5-27.0	#2/12
MW-4	8/27/1992	12.04 ¹	PVC	34.0	34.0	8	2	0.010	19.0-34.0	16.0-34.0	#2/12
MW-5	8/26/1992	14.39 ¹	PVC	34.0	34.0	8	2	0.010	24.0-34.0	22.0-34.0	#2/12
MW-101	1/19/2009	13.90 ²	PVC	28.10	28.05	8	2	0.010	18-28	16-28	#2/12
MW-102	1/20/2009	14.19 ²	PVC	28.40	28.35	8	2	0.010	18-28	16-28	#2/12
MW-103	1/19/2009	13.75 ²	PVC	25.00	24.92	8	2	0.010	10-25	8-25	#2/12
MW-104	1/20/2009	13.65 ²	PVC	25.15	25.10	8	2	0.010	10-25	8-25	#2/12
DW-1	1/20/2009	14.05 ²	PVC	14.65	14.60	12	6	0.020	5-15	3-15	#2/12

Notes:

MW-1 through MW-5 were properly abandoned in 1996

bgs - below ground surface

DW - dewatering well

MSL - mean sea level

PVC - poly-vinyl chloride (Schedule 40)

1 - Well casing elevations surveyed on January 26, 1994.

2 - Well casing elevations surveyed on January 28, 2009 by PLS Surveys, Inc. according to NAVD88 datum

Table 3Historical Groundwater Elevation Data

Well ID	Gauging Date	Top of Casing Elevation (feet MSL)	Depth to Water (feet bgs)	Groundwater Elevation (feet MSL)
MW-1 ¹	08/27/1992	10.64	NM	NM
MW-1	08/31/1992	10.64	8.76	1.88
MW-1	09/02/1992	10.64	8.84	1.80
MW-1	09/17/1992	10.64	9.06	1.58
MW-1	03/24/1993	10.64	8.63	2.01
MW-1	05/19/1993	10.64	9.28	1.36
MW-1	08/23/1993	10.64	9.39	1.25
MW-1	10/14/1993	10.64	9.30	1.34
MW-1	11/23/1993	10.64	9.38	1.26
MW-1	02/16/1994	10.64	8.70	1.94
MW-1	05/19/1994	10.64	8.62	2.02
MW-1	08/23/1994	10.64	9.03	1.61
MW-1	12/06/1994	10.64	7.88	2.76
	We	ell Abandoned in 19	996	
MW-2 ¹	08/27/1992	11.20	13.49	-2.29
MW-2	08/31/1992	11.20	9.78	1.42
MW-2	09/02/1992	11.20	9.87	1.33
MW-2	09/17/1992	11.20	10.19	1.01
MW-2	03/24/1993	11.20	12.42	-1.22
MW-2	05/19/1993	11.20	9.87	1.33
MW-2	08/23/1993	11.20	10.01	1.19
MW-2	10/14/1993	11.20	9.91	1.29
MW-2	11/23/1993	11.20	10.02	1.18
MW-2	02/16/1994	11.20	9.50	1.70
MW-2	05/19/1994	11.20	9.39	1.81
MW-2	08/23/1994	11.20	9.73	1.47
MW-2	12/06/1994	11.20	8.87	2.33
	We	ell Abandoned in 19	996	
MW-3 ¹	08/27/1992	10.92	8.41	2.51
MW-3	08/31/1992	10.92	9.22	1.70
MW-3	09/02/1992	10.92	NM	NM
MW-3	09/16/1992	10.92	9.11	1.81
MW-3	03/24/1993	10.92	8.63	2.29

Table 3Historical Groundwater Elevation Data

Well ID	Gauging Date	Top of Casing Elevation (feet MSL)	Depth to Water (feet bgs)	Groundwater Elevation (feet MSL)	
MW-3	05/19/1993	10.92	9.28	1.64	
MW-3	08/23/1993	10.92	9.30	1.62	
MW-3	10/14/1993	10.92	NM	NM	
MW-3	11/23/1993	10.92	9.13	1.79	
MW-3	02/16/1994	10.92	8.98	1.94	
MW-3	05/19/1994	10.92	8.73	2.19	
MW-3	08/23/1994	10.92	9.45	1.47	
MW-3	12/06/1994	10.92	9.40	1.52	
	We	ell Abandoned in 19	996		
MW-4 ¹	08/27/1992	12.04	NM	NM	
MW-4	08/31/1992	12.04	10.27	1.77	
MW-4	09/02/1992	12.04	10.24	1.80	
MW-4	09/17/1992	12.04	10.43	1.61	
MW-4	03/24/1993	12.04	9.85	2.19	
MW-4	05/19/1993	12.04	10.35	1.69	
MW-4	08/23/1993	12.04	10.42	1.62	
MW-4	10/14/1993	12.04	10.13	1.91	
MW-4	11/23/1993	12.04	10.12	1.92	
MW-4	02/16/1994	12.04	10.10	1.94	
MW-4	05/19/1994	12.04	9.84	2.20	
MW-4	08/23/1994	12.04	10.70	1.34	
MW-4	12/06/1994	12.04	9.54	2.50	
	We	ell Abandoned in 19	996		
MW-5 ¹	08/27/1992	14.39	12.80	1.59	
MW-5	08/31/1992	14.39	12.61	1.78	
MW-5	09/02/1992	14.39	12.51	1.88	
MW-5	09/16/1992	14.39	12.38	2.01	
MW-5	03/24/1993	14.39	11.93	2.46	
MW-5	05/19/1993	14.39	12.58	1.81	
MW-5	08/23/1993	14.39	12.68	1.71	
MW-5	10/14/1993	14.39	12.52	1.87	
MW-5	11/23/1993	14.39	12.51	1.88	
MW-5	02/16/1994	14.39	12.28	2.11	

Table 3Historical Groundwater Elevation Data

Earthgrains Baking Companies, Inc. 955 Kennedy Street Oakland, California 94606

Well ID	Gauging Date	Top of Casing Elevation (feet MSL)	Depth to Water (feet bgs)	Groundwater Elevation (feet MSL)
MW-5	05/19/1994	14.39	12.13	2.26
MW-5	08/23/1994	14.39	12.80	1.59
MW-5	12/06/1994	14.39	11.75	2.64
	We	Il Abandoned in 19	996	
MW-101 ²	01/26/2009	13.90	8.92	4.98
MW-101	04/15/2009	13.90	9.43	4.47
MW-101	07/22/2009	13.90	9.62	4.28
MW-102 ²	01/26/2009	14.19	9.15	5.04
MW-102	04/15/2009	14.19	9.55	4.64
MW-102	07/22/2009	14.19	10.02	4.17
MW-103 ²	01/26/2009	13.75	8.69	5.06
MW-103	04/15/2009	13.75	8.91	4.84
MW-103	07/22/2009	13.75	9.18	4.57
MW-104 ²	01/26/2009	13.65	8.65	5.00
MW-104	04/15/2009	13.65	8.87	4.78
MW-104	07/22/2009	13.65	9.27	4.38
DW-1 ²	01/26/2009	14.05	9.10	4.95
DW-1	04/15/2009	14.05	9.23	4.82
DW-1	07/22/2009	14.05	9.50	4.55

Notes:

MSL - mean sea level

bgs - below ground surface, measured from top of well casing

NM - Not measured

DW - dewatering well

1 - Well casing elevations surveyed on January 26, 1994.

2 - Well casing elevations surveyed on January 28, 2009 by PLS Surveys, Inc. according to NAVD88 datum

					Concent	ration			
Sample Identification	Collection Date	Benzene (46)	Toluene (130)	Ethylbenzene (43)	Total Xylenes (100)	MTBE (1,800)	TPH-g (210)	TPH-d (210)	TPH-mo (210)
AA1604	10/12/1989	<50	<100	<100	<300	NA	15	49	NA
TP-W1	12/16/1990	40	170	87	470	NA	2,200	NA	NA
Oak-GW2	12/19/1990	<0.50	0.7	2.6	2.3	NA	<50	<50	NA
Excavation Water	03/08/2005	<0.50	<0.50	<0.50	<0.50	2.7	130	6,100	NA
E1	09/15/2006	<0.50	<0.50	<0.50	<0.50	<0.50	560	360,000	NA
E2	09/15/2006	<0.50	<0.50	<0.50	<0.50	<0.50	<50	1,200	NA
E3	09/22/2006	<0.50	<0.50	<0.50	<0.50	6.1	<50	<50	NA
E7	09/15/2006	<0.50	<0.50	<0.50	<0.50	<0.50	62	<50	NA
E8	09/12/2006	<0.50	<0.50	<0.50	<0.50	2.0	<50	<50	NA
E09-10-W	09/21/2006	<0.50	<0.50	<0.50	<0.50	7.5	<50	<50	NA
E09-28-W	09/21/2006	<0.50	<0.50	<0.50	<0.50	<0.50	94	<50	NA
E10-32-W	09/21/2006	<0.50	<0.50	<0.50	<0.50	<0.50	94	<50	NA
E11	09/12/2006	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<50	NA
E12	09/12/2006	<0.50	<0.50	<0.50	<0.50	<0.50	<50	260	NA
E13	09/15/2006	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<50	NA
E14	09/15/2006	<0.50	<0.50	<0.50	<0.50	3.2	<50	<50	NA
E15	09/21/2006	<0.50	<0.50	<0.50	<0.50	15	<50	<50	NA
E16	09/12/2006	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<50	NA
E17	09/21/2006	<0.50	<0.50	<0.50	<0.50	<0.50	<50	120	NA
E18	09/22/2006	<0.50	<0.50	<0.50	<0.50	3.3	<50	<50	NA
E19	09/15/2006	<0.50	<0.50	<0.50	<0.50	2.8	<50	<50	NA

					Concent	ration			
Sample Identification	Collection Date	Benzene (46)	Toluene (130)	Ethylbenzene (43)	Total Xylenes (100)	MTBE (1,800)	TPH-g (210)	TPH-d (210)	TPH-mo (210)
E20	09/22/2006	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<50	NA
E21	09/22/2006	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<50	NA
E22	09/21/2006	<0.50	<0.50	<0.50	<0.50	7.1	<50	<50	NA
E23	09/22/2006	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<50	NA
E24	09/22/2006	<0.50	<0.50	<0.50	<0.50	0.69	<50	<50	NA
E25	09/13/2006	<0.50	<0.50	<0.50	<0.50	0.92	<50	<50	NA
E26	09/21/2006	<0.50	<0.50	<0.50	<0.50	<0.50	<50	1,900	NA
E27	09/13/2006	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<50	NA
E28	09/11/2006	<0.50	<0.50	<0.50	<0.50	<0.50	NA	68,000	NA
E29	09/21/2006	<0.50	<0.50	<0.50	1.4	<0.50	290	3,500,000	NA
E30	09/11/2006	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<50	NA
E31	09/11/2006	<0.50	<0.50	<0.50	<0.50	<0.50	NA	880,000	NA
E32	09/13/2006	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<50	NA
E33	09/11/2006	<0.50	<0.50	<0.50	<0.50	22	NA	4,200	NA
E34	09/13/2006	<0.50	<0.50	<0.50	<0.50	<0.50	NA	3,900	NA
E35	09/11/2006	<0.50	<0.50	<0.50	<0.50	4.2	NA	3,500	NA
E36	09/11/2006	<0.50	<0.50	<0.50	<0.50	0.61	NA	1,700,000	NA
E37	09/13/2006	<0.50	<0.50	<0.50	<0.50	<0.50	NA	70,000	NA
E38	09/13/2006	<0.50	<0.50	<0.50	<0.50	<0.50	NA	3,400	NA
E39	09/13/2006	<0.50	<0.50	<0.50	<0.50	<0.50	NA	<50	NA
E40	09/13/2006	<0.50	<0.50	<0.50	<0.50	<0.50	NA	3,100	NA

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					Concent	ration			
Sample Identification	Collection Date	Benzene (46)	Toluene (130)	Ethylbenzene (43)	Total Xylenes (100)	MTBE (1,800)	TPH-g (210)	TPH-d (210)	TPH-mo (210)
E41	03/28/2007	<0.50	<0.50	<0.50	<0.50	0.62	59	<50	180
E42	03/29/2007	<0.50	<0.50	<0.50	<0.50	<0.50	<50	840	240
E43	03/29/2007	<0.50	0.51	<0.50	<0.50	<0.50	53	<50	<100
E44	03/28/2007	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<50	<100
E45	03/29/2007	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<50	<100
E46	03/29/2007	<0.50	0.84	<0.50	<0.50	2.4	<50	250	750
E47	03/28/2007	<0.50	<0.50	<0.50	<0.50	<0.50	<50	22,000	NA
E48	03/28/2007	<0.50	<0.50	<0.50	<0.50	<0.50	<50	<50	NA
E50	03/28/2007	<0.50	<0.50	<0.50	<0.50	<0.50	<50	7,300	NA
E51	03/28/2007	<0.50	<0.50	<0.50	<0.50	<0.50	<50	3,200	NA
E52	03/28/2007	<0.50	<0.50	<0.50	<0.50	<0.50	<50	200	NA

Notes:

µg/L - Micrograms-per-liter.

MTBE - Methyl Tertiary Butyl Ether.

TPH-g - Total Petroleum Hydrocarbons quantified as gasoline.

TPH-d - Total Petroleum Hydrocarbons quantified as diesel.

TPH-mo - Total Petroleum Hydrocarbons quantified as motor oil.

NA - Not Analyzed.

ESL - SFBRWQCB Environmental Screening Levels, Table F-1b (May 2008)

Reported value exceeds associated ESL.

				Concer	tration and Ass	ociated ESLs (μg/L)		
Monitoring Well	Collection Date	Benzene (46)	Toluene (130)	Ethylbenzene (43)	Total Xylenes (100)	MTBE (1,800)	TPH-g (210)	TPH-d (210)	TPH-mo (210)
MW-1	09/18/1992	<0.50	<0.50	<0.50	<0.50	NA	<50	<50	<50
MW-1	03/24/1993	<0.30	<0.30	<0.30	<0.50	NA	NA	78	<50
MW-1	05/19/1993	<0.30	0.35	<0.30	<0.50	NA	NA	130	<50
MW-1	08/23/1993	<0.50	<0.50	<0.50	<0.50	NA	NA	460	<100
MW-1	10/14/1993	NA	NA	NA	NA	NA	NA	160	<100
MW-1	11/23/1993	<0.30	<0.30	<0.30	<0.50	NA	NA	340	<100
MW-1	02/16/1994	<0.30	<0.30	<0.30	<0.50	NA	NA	160	170
MW-1	05/19/1994	<0.30	<0.30	<0.30	<0.50	NA	NA	<50	470
MW-1	08/23/1994	<0.30	<0.30	<0.30	<0.50	NA	NA	<50	<100
MW-1	12/06/1994	<0.30	<0.30	<0.30	<0.50	NA	NA	<50	<100
				Well Abandor	ned in 1996				
MW-2	09/18/1992	<0.50	<0.50	<0.50	<0.50	NA	<50	<50	77
MW-2	11/04/1992	<0.50	<0.50	<0.50	<0.50	NA	<50	<50	<50
MW-2	03/24/1993	<0.30	<0.30	<0.30	<0.50	NA	NA	<50	<50
MW-2	05/19/1993	<0.30	<0.30	<0.30	<0.50	NA	NA	<50	<50
MW-2	08/23/1993	<0.50	<0.50	<0.50	<0.50	NA	NA	720	<100
MW-2	10/14/1993	NA	NA	NA	NA	NA	NA	<50	<100
MW-2	11/23/1993	NA	NA	NA	NA	NA	NA	<50	<100

				Concen	tration and Ass	ociated ESLs (μg/L)		
Monitoring Well	Collection Date	Benzene (46)	Toluene (130)	Ethylbenzene (43)	Total Xylenes (100)	MTBE (1,800)	TPH-g (210)	TPH-d (210)	TPH-mo (210)
MW-2	02/16/1994	<0.30	<0.30	<0.30	<0.50	NA	NA	<50	480
MW-2	05/19/1994	<0.30	<0.30	<0.30	<0.50	NA	NA	<50	710
MW-2	08/23/1994	<0.30	<0.30	<0.30	<0.50	NA	NA	<50	<100
MW-2	12/06/1994	<0.30	<0.30	<0.30	<0.50	NA	NA	<50	<100
				Well Abandor	ned in 1996				
MW-3	09/17/1992	<0.50	<0.50	<0.50	<0.50	NA	<50	<50	<50
MW-3	03/24/1993	<0.30	<0.30	<0.30	<0.50	NA	<50	<50	52
MW-3	05/19/1993	<0.30	<0.30	<0.30	<0.50	NA	<50	<50	<50
MW-3	08/23/1993	<0.50	<0.50	<0.50	<0.50	NA	<50	<50	<100
MW-3	11/23/1993	<0.30	<0.30	<0.30	<0.50	NA	<50	<50	<100
MW-3	02/16/1994	<0.30	<0.30	<0.30	<0.50	NA	<50	<50	<100
MW-3	05/19/1994	<0.30	<0.30	<0.30	<0.50	NA	<50	<50	290
MW-3	08/23/1994	<0.30	<0.30	<0.30	<0.50	NA	<50	<50	<100
MW-3	12/06/1994	<0.30	<0.30	<0.30	<0.50	NA	<50	<50	<100
				Well Abandor	ned in 1996				
MW-4	09/18/1992	<0.50	<0.50	<0.50	<0.50	NA	54	<50	<50
MW-4	11/04/1992	<0.50	<0.50	<0.50	<0.50	NA	<50	<50	58
MW-4	03/24/1993	<0.30	<0.30	<0.30	<0.50	NA	<50	<50	<50
MW-4	05/19/1993	<0.30	<0.30	<0.30	<0.50	NA	<50	<50	<50

				Concen	tration and Ass	ociated ESLs (μg/L)		
Monitoring Well	Collection Date	Benzene (46)	Toluene (130)	Ethylbenzene (43)	Total Xylenes (100)	MTBE (1,800)	TPH-g (210)	TPH-d (210)	TPH-mo (210)
MW-4	08/23/1993	<0.50	<0.50	<0.50	<0.50	NA	<50	100	<100
MW-4	10/14/1993	NA	NA	NA	NA	NA	NA	<50	<100
MW-4	11/23/1993	<0.30	<0.30	<0.30	<0.50	NA	<50	<50	<100
MW-4	02/16/1994	<0.30	<0.30	<0.30	<0.50	NA	<50	<50	120
MW-4	05/19/1994	<0.30	<0.30	<0.30	<0.50	NA	<50	<50	690
MW-4	08/23/1994	<0.30	<0.30	<0.30	<0.50	NA	<50	<50	<100
MW-4	12/06/1994	<0.30	<0.30	<0.30	<0.50	NA	<50	<50	<100
Well Abandoned in 1996									
MW-5	09/17/1992	<0.50	<0.50	<0.50	<0.50	NA	<50	<50	<50
MW-5	11/04/1992	NA	NA	NA	NA	NA	NA	NA	NA
MW-5	03/24/1993	0.39	0.39	<0.30	0.56	NA	<50	<50	<50
MW-5	05/19/1993	<0.30	<0.30	<0.30	<0.50	NA	51	<50	<50
MW-5	08/23/1993	<0.50	<0.50	<0.50	<0.50	NA	<50	80	<100
MW-5	10/14/1993	NA	NA	NA	NA	NA	NA	<50	<100
MW-5	11/23/1993	<0.30	<0.30	<0.30	<0.50	NA	<50	<50	<100
MW-5	02/16/1994	<0.30	<0.30	<0.30	<0.50	NA	<50	<50	410
MW-5	05/19/1994	<0.30	<0.30	<0.30	<0.50	NA	<50	<50	1,800
MW-5	08/23/1994	<0.30	<0.30	<0.30	<0.50	NA	<50	<50	<100
MW-5	12/06/1994	<0.30	<0.30	<0.30	<0.50	NA	<50	<50	<100
				Well Abandor	ned in 1996				

				Concen	tration and Ass	ociated ESLs (μg/L)		
Monitoring Well	Collection Date	Benzene (46)	Toluene (130)	Ethylbenzene (43)	Total Xylenes (100)	MTBE (1,800)	TPH-g (210)	TPH-d (210)	TPH-mo (210)
MW-101	01/26/2009	<0.50	<0.50	<0.50	<0.50	NA	NA	<50	NA
MW-101	04/15/2009	<0.50	<0.50	<0.50	<0.50	NA	NA	<50	NA
MW-101	07/22/2009	<0.50	<0.50	<0.50	<0.50	NA	NA	<50	NA
MW-102	01/26/2009	<0.50	<0.50	<0.50	<0.50	NA	NA	160	NA
MW-102	04/15/2009	<0.50	<0.50	<0.50	<0.50	NA	NA	140	NA
MW-102	07/22/2009	<0.50	<0.50	<0.50	<0.50	NA	NA	120	NA
MW-103	01/26/2009	<0.50	<0.50	<0.50	<0.50	NA	NA	80	NA
MW-103	04/15/2009	<0.50	<0.50	<0.50	<0.50	NA	NA	<50	NA
MW-103	07/22/2009	<0.50	<0.50	<0.50	<0.50	NA	NA	<50	NA
MW-104	01/26/2009	<0.50	<0.50	<0.50	<0.50	NA	NA	100	NA
MW-104	04/15/2009	<0.50	<0.50	<0.50	<0.50	NA	NA	79	NA
MW-104	07/22/2009	<0.50	<0.50	<0.50	<0.50	NA	NA	97	NA
DW-1	01/26/2009	<0.50	<0.50	<0.50	<0.50	NA	NA	1,200	NA
DW-1	04/15/2009	<0.50	<0.50	<0.50	<0.50	NA	NA	830	NA
DW-1	07/22/2009	<0.50	<0.50	<0.50	<0.50	NA	NA	1,000	NA

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			Concentration and Associated ESLs (µg/L)								
Monitoring	Collection	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	TPH-g	TPH-d	TPH-mo		
Well	Date	(46)	(130)	(43)	(100)	(1,800)	(210)	(210)	(210)		

Notes:

µg/L - Micrograms-per-liter.

MTBE - Methyl Tertiary Butyl Ether.

TPH-g - Total Petroleum Hydrocarbons quantified as gasoline.

TPH-d - Total Petroleum Hydrocarbons quantified as diesel.

TPH-mo - Total Petroleum Hydrocarbons quantified as motor oil.

NA - Not Analyzed.

ESL - SFBRWQCB Environmental Screening Levels, Table F-1b (May 2008)

Reported value exceeds associated ESL.

Table 6 Aquifer Testing Data

Earthgrains Baking Companies, Inc. 955 Kennedy Street Oakland, California 94606

				Hydraulic	Hydraulic
Monitoring	Test	Test	Analysis	Conductivity	Conductivity
Well	Date	Туре	Method ¹	(cm/sec)	(cm/year)
MW-101	1/22/2009	Rising Head (Slug In)	Bouwer & Rice	1.05E-03	3.31E+04
MW-101	1/22/2009	Rising Head (Slug Out)	Bouwer & Rice	7.70E-04	2.43E+04
MW-102	1/22/2009	Rising Head (Slug Out)	Bouwer & Rice	6.19E-05	1.95E+03
MW-104	1/22/2009	Rising Head (Slug In)	Bouwer & Rice	5.97E-04	1.88E+04
MW-104	1/22/2009	Rising Head (Slug Out)	Bouwer & Rice	3.547E-03	1.12E+05
	Average Hy	vdraulic Conductivity For S	Shallow Aquifer	5.023E-04	1.584E+04

Notes:

 Analysis methods are: Hvorslev for confined aquifers (1951). Bouwer & Rice for confined aquifers (1976).

cm/sec - Centimeters per second.

Environmental Nor	l Screening Level n drinking water	s (mg/kg)	Benzene	Toluene	Ethylbenzene	Total Xylenes	TPH-g	TPH-d	TPH-mo
Commerc	cial Leaching to G	aroundwater ESL	2.0	9.3	4.7	11	180	180	-
Commercial	Gross Contamina	ation Ceiling ESL	870	650	400	420	500	500	2,500
Commercial Direct	Exposure (Indust	trial Worker) ESL	0.27	210	5.0	100	450	450	3,700
	Final Commer	cial ESL for Soil	0.27	9.3	4.7	11	180	180	2,500
	Final Resider	ntial ESL for Soil	0.12	9.3	2.3	11	100	100	370
Sample Identification	Collection Date	Depth (feet bgs)	Sample Concentration (mg/kg)						
E29	09/13/2006	2	<0.005	< 0.005	< 0.005	<0.005	NA	8,300	NA
E29	09/21/2006	8	<0.005	<0.005	<0.005	<0.005	140	3,800	<20
Probe Hole-1	04/09/2003	4.5	<0.62	<0.62	<0.62	<0.62	NA	3,300	NA
E29	09/21/2006	4	<0.005	<0.005	< 0.005	<0.005	31	3,100	<20
Trench-5	03/08/2005	4	<0.005	<0.005	< 0.005	<0.005	48	1,700	NA
DW-1 (8.5-10)	01/20/2009	8.5 - 10	< 0.005	< 0.005	< 0.005	< 0.005	NA	1,700	NA
E49	03/29/2007	8.5	<0.005	<0.005	< 0.005	<0.005	< 1.0	560	NA
E33	09/11/2006	4.5	<0.005	<0.005	< 0.005	<0.005	NA	520	NA
MW-104 (8.5-10)	01/20/2009	8.5 - 10	< 0.005	< 0.005	< 0.005	< 0.005	NA	370	NA
E47	03/28/2007	5	<0.005	<0.005	<0.005	<0.005	< 1.0	80	NA
E28	09/11/2006	4.5	<0.005	<0.005	< 0.005	<0.005	NA	76	NA
E7	09/12/2006	2.5	<0.005	<0.005	< 0.005	<0.005	2.6	73	NA
OAK-15NTW	12/28/1990	2 - 3	0.02	<0.005	0.007	0.01	<1.0	71	1,300
E50	03/28/2007	5	<0.005	< 0.005	< 0.005	< 0.005	< 1.0	65	NA
DW-1 (5-6.5)	01/20/2009	5 - 6.5	< 0.005	< 0.005	< 0.005	< 0.005	NA	53	NA
E31	09/11/2006	6.5	<0.005	< 0.005	< 0.005	< 0.005	NA	44	NA
OAK-16TP1	12/28/1990	2 - 3	0.15	0.01	0.54	0.66	15	40	2,700
E6	09/12/2006	9	< 0.005	< 0.005	< 0.005	< 0.005	<1.0	32	NA
E33	09/11/2006	8	<0.005	<0.005	<0.005	< 0.005	NA	30	NA

Environmental Screening Levels (mg/kg) Non drinking water			Benzene	Toluene	Ethylbenzene	Total Xylenes	TPH-g	TPH-d	TPH-mo
Commercial Leaching to Groundwater ESL			2.0	9.3	4.7	11	180	180	-
Commercial	Gross Contamina	ation Ceiling ESL	870	650	400	420	500	500	2,500
Commercial Direct	Exposure (Indust	trial Worker) ESL	0.27	210	5.0	100	450	450	3,700
	Final Commer	cial ESL for Soil	0.27	9.3	4.7	11	180	180	2,500
	Final Resider	ntial ESL for Soil	0.12	9.3	2.3	11	100	100	370
Sample Identification	Collection Date	Depth (feet bgs)			Sample Co	oncentration (m	g/kg)		
E/Q	03/20/2007	5	<0.005	<0.005	<0.005	<0.005	< 1.0	26	ΝΔ
E51	03/29/2007	5	<0.005	<0.005	<0.005	<0.005	< 1.0	20	NA
E31 F45	03/20/2007	5	<0.005	<0.005	<0.005	<0.005	< 1.0	19	92
E45	09/15/2006	4.5	<0.005	<0.005	<0.005	<0.005	40	17	
04K-14BT	12/28/1990	3	<0.005	<0.005	<0.005	<0.005	<10	89	<50
F43	03/29/2007	5	<0.005	<0.005	<0.005	<0.005	< 1.0	8.8	29
E 18	03/28/2007	5	<0.005	<0.005	<0.000	<0.000	< 1.0	5.6	20
E41	03/28/2007	5	<0.005	< 0.005	< 0.005	<0.005	< 1.0	4.5	19
E26	09/21/2006	4	< 0.005	< 0.005	< 0.005	< 0.005	<1.0	4.1	<10
E30	09/11/2006	4	< 0.005	< 0.005	< 0.005	< 0.005	NA	3.8	NA
E23	09/22/2006	8	<0.005	<0.005	<0.005	<0.005	<1.0	3.6	NA
E39	09/13/2006	9.5	<0.005	<0.005	<0.005	<0.005	NA	3.5	NA
E40	09/13/2006	8	<0.005	<0.005	<0.005	<0.005	NA	2.8	NA
E48	03/28/2007	4	<0.005	<0.005	<0.005	<0.005	< 1.0	2.5	NA
E48	03/28/2007	9	<0.005	<0.005	<0.005	<0.005	< 1.0	2.4	NA
E3	09/22/2006	4	< 0.005	< 0.005	< 0.005	< 0.005	<1.0	1.8	NA
E5	09/12/2006	5	< 0.005	< 0.005	< 0.005	< 0.005	<1.0	1.7	NA
E6	09/12/2006	5	<0.005	< 0.005	< 0.005	<0.005	<1.0	1.7	NA
E46	03/29/2007	5	<0.005	<0.005	<0.005	<0.005	< 1.0	1.7	< 10

Environmental Screening Levels (mg/kg) Non drinking water			Benzene	Toluene	Ethylbenzene	Total Xylenes	TPH-g	TPH-d	TPH-mo
Commercial Leaching to Groundwater ESL			2.0	9.3	4.7	11	180	180	-
Commercial	Gross Contamina	ation Ceiling ESL	870	650	400	420	500	500	2,500
Commercial Direct	Exposure (Indust	trial Worker) ESL	0.27	210	5.0	100	450	450	3,700
	Final Commer	cial ESL for Soil	0.27	9.3	4.7	11	180	180	2,500
	Final Resider	ntial ESL for Soil	0.12	9.3	2.3	11	100	100	370
Sample	Collection	Depth			Sampla Ca	population (m	a/ka)		
Identification	Date	(feet bgs)			Sample Co	Silcentration (in	y/ky)		
E7	09/15/2006	3.5	<0.005	<0.005	<0.005	< 0.005	<1.0	1.6	NA
E17	09/21/2006	8	NA	NA	NA	NA	NA	1.6	NA
E36	09/11/2006	4	<0.005	<0.005	<0.005	<0.005	NA	1.6	NA
E42	03/29/2007	5	<0.005	<0.005	<0.005	<0.005	< 1.0	1.6	< 10
E24	09/22/2006	4	<0.005	<0.005	<0.005	<0.005	<1.0	1.5	NA
E37	09/13/2006	9.5	<0.005	<0.005	<0.005	<0.005	NA	1.5	NA
E7	09/15/2006	8	<0.005	<0.005	<0.005	<0.005	<1.0	1.4	NA
E37	09/13/2006	4	<0.005	<0.005	<0.005	<0.005	NA	1.4	NA
E52	03/28/2007	5.5	<0.005	<0.005	<0.005	<0.005	< 1.0	1.4	NA
E8	09/12/2006	5.5	<0.005	<0.005	<0.005	<0.005	<1.0	1.3	NA
E14	09/15/2006	4.5	<0.005	<0.005	<0.005	<0.005	<1.0	1.3	NA
E32	09/13/2006	4	<0.005	<0.005	<0.005	<0.005	NA	1.3	NA
E36	09/11/2006	8.5	<0.005	<0.005	<0.005	<0.005	NA	1.3	NA
E39	09/13/2006	4	<0.005	<0.005	<0.005	<0.005	NA	1.3	NA
E27	09/13/2006	5	<0.005	<0.005	<0.005	<0.005	NA	1.2	NA
E27	09/13/2006	8.5	<0.005	<0.005	<0.005	<0.005	NA	1.2	NA
E13	09/15/2006	5	<0.005	<0.005	<0.005	<0.005	<1.0	1.1	NA
E24	09/22/2006	8.5	<0.005	<0.005	<0.005	<0.005	<1.0	1.1	NA
E34	09/13/2006	4	<0.005	<0.005	<0.005	<0.005	NA	1.1	NA
E3	09/22/2006	8	<0.005	< 0.005	<0.005	<0.005	<1.0	1.0	NA

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Environmental Screening Levels (mg/kg) Non drinking water			Benzene	Toluene	Ethylbenzene	Total Xylenes	TPH-g	TPH-d	TPH-mo
Commercial Leaching to Groundwater ESL			2.0	9.3	4.7	11	180	180	-
Commercial	Gross Contamina	ation Ceiling ESL	870	650	400	420	500	500	2,500
Commercial Direct	Exposure (Indust	trial Worker) ESL	0.27	210	5.0	100	450	450	3,700
	Final Commer	cial ESL for Soil	0.27	9.3	4.7	11	180	180	2,500
Final Residential ESL for Soil			0.12	9.3	2.3	11	100	100	370
Sample	Collection	Depth	Sample Concentration (mg/kg)						
Identification	Date	(feet bgs)							

Notes:

mg/kg - Milligrams-per-kilogram

MTBE - Methyl Tertiary Butyl Ether.

TPH-g - Total Petroleum Hydrocarbons quantified as gasoline.

TPH-d - Total Petroleum Hydrocarbons quantified as diesel.

TPH-mo - Total Petroleum Hydrocarbons quantified as motor oil.

NA - Not Analyzed.

ESL - SFBRWQCB Environmental Screening Levels, Table B-2 (May 2008)

Reported value exceeds associated ESL.

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Environmental Se Commercial/	creening Levels Industrial Land	i (mg/kg) Use	Benzene	Toluene	Ethylbenzene	Total Xylenes	МТВЕ	TPH-g	TPH-d	TPH-mo
Lea	aching to Grour	ndwater ESL	2.0	9.3	4.7	11	8.4	180	180	-
Gross	Contamination	Ceiling ESL	870	650	400	420	1,000	5,000	5,000	5,000
Direct Exposure (Const. Worker 1	rench) ESL	12	650	210	420	2,800	4,200	4,200	12,000
Fin	al Commercial	ESL for Soil	2.0	9.3	4.7	11	8.4	180	180	5,000
Fir	nal Residential	ESL for Soil	2.0	9.3	4.7	11	8.4	180	180	5,000
Sample	Collection	Depth			C					
Identification	Date	(feet bgs)			Sar	npie Concentrat	lion (mg/kg)			
E33	09/11/2006	12	<0.025	<0.025	<0.025	<0.025	<0.025	NA	7,500	NA
E36	09/11/2006	10	<0.005	<0.005	<0.005	<0.005	<0.005	NA	5,100	NA
E46	03/29/2007	10	<0.005	<0.005	<0.005	<0.005	<0.005	29	1,800	< 10
E2	09/15/2006	12	<0.005	<0.005	<0.005	<0.005	<0.005	8.0	860	NA
E1	09/15/2006	11.5	<0.005	<0.005	<0.005	<0.005	<0.005	3.5	710	NA
E29	09/21/2006	12	<0.005	<0.005	<0.005	<0.005	<0.005	4.7	590	17
E35	09/11/2006	10	<0.005	<0.005	<0.005	<0.005	<0.005	NA	570	NA
MW-1	08/27/1992	10	<0.005	<0.005	<0.005	<0.005	NA	NA	560	<10
E26	09/21/2006	11	<0.005	<0.005	<0.005	<0.005	<0.005	1.2	470	22
E38	09/13/2006	11	<0.005	<0.005	<0.005	<0.005	<0.005	NA	420	NA
E37	09/13/2006	12.5	<0.005	<0.005	<0.005	<0.005	<0.005	NA	410	NA
E51	03/28/2007	10	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	390	NA
E45	03/29/2007	10	<0.005	<0.005	<0.005	<0.005	<0.005	1.4	350	< 10
E48	03/28/2007	12.5	<0.005	<0.005	<0.005	<0.005	<0.005	2.1	320	NA
OAK-2SD	12/12/1990	10	<0.005	<0.005	0.006	0.017	NA	1.5	320	NA
E31	09/11/2006	10.5	<0.005	<0.005	<0.005	<0.005	<0.005	NA	300	NA
E26	09/21/2006	13	<0.005	<0.005	<0.005	<0.005	<0.005	5.2	260	28
E52	03/28/2007	12.5	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	220	NA
E29	09/21/2006	14	<0.005	<0.005	<0.005	< 0.005	< 0.005	6.9	200	<10
E40	09/13/2006	10	<0.005	<0.005	<0.005	< 0.005	< 0.005	NA	190	NA
E46	03/29/2007	12	< 0.005	< 0.005	<0.005	<0.005	< 0.005	21	180	< 10
E52	03/28/2007	15.5	< 0.005	< 0.005	<0.005	<0.005	< 0.005	< 1.0	180	NA
E38	09/13/2006	12	< 0.005	<0.005	<0.005	< 0.005	< 0.005	NA	140	NA
E48	03/28/2007	15	< 0.005	< 0.005	<0.005	< 0.005	< 0.005	1.0	130	NA
E49	03/29/2007	10	<0.005	<0.005	<0.005	< 0.005	< 0.005	< 1.0	100	NA

2009_09 - Closure Request Tables - Detectable Concentrations.xls / Table 7B

Environmental So Commercial/	creening Levels	i (mg/kg) Use	Benzene	Toluene	Ethylbenzene	Total Xylenes	МТВЕ	TPH-g	TPH-d	TPH-mo
Lea	aching to Grour	ndwater ESL	2.0	9.3	4.7	11	8.4	180	180	-
Gross	Contamination	Ceiling ESL	870	650	400	420	1,000	5,000	5,000	5,000
Direct Exposure (0	Const. Worker 1	rench) ESL	12	650	210	420	2,800	4,200	4,200	12,000
Fina	al Commercial	ESL for Soil	2.0	9.3	4.7	11	8.4	180	180	5,000
Fir	al Residential	ESL for Soil	2.0	9.3	4.7	11	8.4	180	180	5,000
Sample	Collection	Depth								
Identification	Date	(feet bgs)			Sar	npie Concentrat	lion (mg/kg)			
E50	03/28/2007	10	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	100	NA
MW-2	08/27/1992	10	<0.005	<0.005	<0.005	<0.005	NA	NA	83	<10
E28	09/11/2006	10	<0.005	<0.005	<0.005	<0.005	<0.005	NA	58	NA
E39	09/13/2006	12.5	<0.005	<0.005	<0.005	<0.005	<0.005	NA	37	NA
E35	09/11/2006	18	<0.005	<0.005	<0.005	<0.005	<0.005	NA	35	NA
E41	03/28/2007	10	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	33	180
E47	03/28/2007	10	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	27	NA
E25	09/13/2006	10	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	23	NA
E34	09/13/2006	12	<0.005	<0.005	<0.005	<0.005	<0.005	NA	19	NA
E40	09/13/2006	12	<0.005	<0.005	<0.005	<0.005	<0.005	NA	18	NA
E42	03/29/2007	10	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	17	15
DW-1 (10-11.5')	01/20/2009	10 - 11.5	<0.005	<0.005	<0.005	<0.005	NA	NA	16	NA
E49	03/29/2007	15	<0.005	<0.005	<0.005	< 0.005	<0.005	< 1.0	14	NA
E47	03/28/2007	15	<0.005	<0.005	<0.005	< 0.005	<0.005	< 1.0	10	NA
DW-1 (11.5-13')	01/20/2009	11.5 - 13	<0.005	<0.005	<0.005	<0.005	NA	NA	8.4	NA
E31	09/11/2006	14.5	<0.005	<0.005	<0.005	<0.005	<0.005	NA	8.0	NA
E43	03/29/2007	10	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	7.2	23
E33	09/11/2006	16	<0.005	<0.005	<0.005	<0.005	<0.005	NA	6.9	NA
E1	09/15/2006	16	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	5.8	NA
E28	09/11/2006	15	<pre><0.005 <0.005 <0.005 <0.005 <0.005 NA 5.8</pre>						NA	
E4	09/12/2006	10	<pre><0.005 <0.005 <0.005 <0.005 <0.005 <1.0 5.6</pre>						NA	
E1	09/15/2006	20	< 0.005	<0.005 <0.005 <0.005 <0.005 <0.005 <1.0 5.2						
E31	09/11/2006	16	< 0.005	<0.005	<0.005	< 0.005	< 0.005	NA	5.0	NA
E6	09/12/2006	10	<0.005	<0.005	<0.005	< 0.005	< 0.005	<1.0	4.1	NA

Environmental So Commercial/	creening Levels	i (mg/kg) Use	Benzene	Benzene Toluene Ethylbenzene Total Xylenes			МТВЕ	TPH-g	TPH-d	TPH-mo
Lea	aching to Grour	ndwater ESL	2.0	9.3	4.7	11	8.4	180	180	-
Gross	Contamination	Ceiling ESL	870	650	400	420	1,000	5,000	5,000	5,000
Direct Exposure (0	Const. Worker T	rench) ESL	12	650	210	420	2,800	4,200	4,200	12,000
Fina	al Commercial I	ESL for Soil	2.0	9.3	4.7	11	8.4	180	180	5,000
Fir	nal Residential I	ESL for Soil	2.0	9.3	4.7	11	8.4	180	180	5,000
Sample Identification	Collection Date	Depth (feet bgs)			Sar	nple Concentrat	tion (mg/kg)			
E52	03/28/2007	10	<0.005	<0.005	<0.005	< 0.005	<0.005	< 1.0	3.4	NA
E50	03/28/2007	15	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	3.0	NA
E43	03/29/2007	15	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	2.5	< 10
E37	09/13/2006	15	<0.005	<0.005	<0.005	<0.005	<0.005	NA	2.4	NA
E35	09/11/2006	14	<0.005	<0.005	<0.005	<0.005	<0.005	NA	2.3	NA
DW-1 (13.5-15')	01/20/2009	13.5 - 15	<0.005	<0.005	<0.005	<0.005	NA	NA	2.0	NA
E36	09/11/2006	15	<0.005	<0.005	<0.005	<0.005	<0.005	NA	1.9	NA
E45	03/29/2007	15	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	1.8	< 10
E2	09/15/2006	16	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	1.7	NA
E41	03/28/2007	15	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	1.7	< 10
E24	09/22/2006	15	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	1.6	NA
E12	09/12/2006	10	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	1.5	NA
E17	09/21/2006	19	NA	NA	NA	NA	NA	NA	1.5	NA
E29	09/21/2006	16	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	1.5	<10
E9	09/21/2006	20	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	1.3	NA
E42	03/29/2007	15	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	1.3	< 10
E26	09/21/2006	19	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	1.2	<10
E35	09/11/2006	21	<0.005	<0.005	<0.005	<0.005	<0.005	NA	1.2	NA
E42	03/29/2007	25	<0.005 <0.005 <0.005 <0.005 <1.0 1.2					1.2	< 10	
E46	03/29/2007	15	<0.005 <0.005 <0.005 <0.005 <1.0 1.2						< 10	
E23	09/22/2006	12	<0.005	<0.005	<0.005	< 0.005	< 0.005	<1.0	1.1	NA
E38	09/13/2006	16	< 0.005	< 0.005	<0.005	< 0.005	<0.005	NA	1.0	NA

Earthgrains Baking Companies, Inc. 955 Kennedy Street Oakland, California 94606

Environmental So Commercial/	creening Levels	s (mg/kg) Use	Benzene	Benzene Toluene Ethylbenzene Total Xylenes MTBE				TPH-g	TPH-d	TPH-mo
Lea	aching to Groui	ndwater ESL	2.0	2.0 9.3 4.7 11				180	180	-
Gross	Contamination	Ceiling ESL	870	650	400	420	1,000	5,000	5,000	5,000
Direct Exposure (0	Const. Worker	French) ESL	12	650	210	420	2,800	4,200	4,200	12,000
Fina	al Commercial	ESL for Soil	2.0	9.3	4.7	11	8.4	180	180	5,000
Fir	al Residential	ESL for Soil	2.0 9.3 4.7 11 8.4 180 180					5,000		
Sample Identification	Collection Date	Depth (feet bgs)		Sample Concentration (mg/kg)						
Notes:										
mg/kg -	Milligrams-per-kilog	gram								
MTBE -	Methyl Tertiary But	yl Ether.								
TPH-g -	Total Petroleum Hy	drocarbons quan	tified as gasoline.							
TPH-g * -	Laboratory stateme	ent that result is n	ot typical of gasoline	e chromatograph, bu	t possibly light-end dies	el fraction.				
TPH-d -	Total Petroleum Hy	drocarbons quan	tified as diesel.							
TPH-mo -	Total Petroleum Hydrocarbons quantified as motor oil.									
NA -	Not Analyzed.									
ESL -	SFBRWQCB Envir	onmental Screen	ing Levels, Table D-	2 (May 2008)						

Reported value exceeds associated ESL.

Table 8 Estimate of Residual TPH as Diesel in Soil (1989 - 2009 Soil Samples)

Earthgrains Baking Companies, Inc. 955 Kennedy Street Oakland, California 94606

Total Petroleum Hydrocarbons - Diesel in Shallow Soil (<3m)								
Concentration Range	100 to 500 range	Greater than 500						
Area (sq.ft.)	100	950						
Unit Weight if Soil (lb/ft ³)	110	110						
Impact Thickness (ft.)	7	7						
kg/lb Conversion	0.453	0.453						
L/Gal Conversion	1	1						
Avg. TPH-g Conc. (mg/kg)	370	2,873						
Mass Conversion (mg/kg)	0.000001	0.000001						
TPH Mass (Kg)	12.91	952.02						
Total TPH-g Mass (Kg) in Shallow So	il	964.93						

Total Petroleum Hydrocarbons - Diesel in Deep Unsaturated Soil (>3m)								
Concentration Range	180 to 5000 range	Greater than 5000						
Area (sq.ft.)	7,425	950						
Unit Weight if Soil (lb/ft ³)	110	110						
Impact Thickness (ft.)	10	10						
kg/lb Conversion	0.453	0.453						
L/Gal Conversion	1	1						
Avg. TPH-g Conc. (mg/kg)	496	6,300						
Mass Conversion (mg/kg)	0.000001	0.000001						
TPH Mass (Kg)	1,835.14	2,982.33						
Total TPH-g Mass (Kg) in Deep Unsat	Total TPH-g Mass (Kg) in Deep Unsaturated Soil 4,817.46							

Total TPH-g Mass (Kg) in Unsaturated Soil	5,782.40
Total TPH-g Mass (pounds) in Unsaturated Soil	12,721.27

Benzene Mass = Area x porosity x g.w. thickness x 7.5 gal/c.f. x 3.785 L/gal x avg. conc. (ug/kg) x 1 E-9 kg/ug TPH Mass = Area x porosity x g.w. thickness x 7.5 gal/c.f. x 3.785 L/gal x avg. conc. (ug/kg) x 1 E-9 kg/ug

Table 9 Estimate of Residual TPH as Diesel in Groundwater (July 2009 Groundwater Well Samples)

Earthgrains Baking Companies, Inc. 955 Kennedy Street Oakland, California 94606

Total Petroleum Hydrocarbons - Diesel in Groundwater								
Concentration Range	1 to 100	Greater than 100						
Area (sq.ft.)	2,400	200						
Porosity	0.38	0.25						
Groundwater Thickness (ft.)	10	20						
Gal/c.f. Conversion	7.5	7.5						
L/Gal Conversion	3.785	3.785						
Avg. TPH Conc. (ug/L)	50	200						
Mass Conversion	0.00000001	0.00000001						
TPH Mass (Kg)	0.0129	0.0057						
Total TPH-g Mas	ss (Kg)	0.0186						
Total TPH-g Mas	0.0410							

Benzene Mass = Area x porosity x g.w. thickness x 7.5 gal/c.f. x 3.785 L/gal x avg. conc. (ug/kg) x 1 E-9 kg/ug TPH Mass = Area x porosity x g.w. thickness x 7.5 gal/c.f. x 3.785 L/gal x avg. conc. (ug/kg) x 1 E-9 kg/ug **FIGURES**



624\02797C-004

COL

WELL SURVEY MAP

ТММ снкр:	JRC APPD:	EARTHGRAINS OAKLAND, CALIFORNIA
DATE:	REV.:	FIGURE 1
9/17/09	0	TIOORE



LEGEND

	SEARCH	RADIUS	BOUNDARY	
RB	RESIDENTIAL BUILDING			

PUA	PUBLIC	USE	AREA

				NOT TO SCALE
25C	SITE VICINITY MAP SHOWING	dwn: TMM	des.: JRC	PROJECT NO.: 62402797
				EARTHGRAINS
		CHKD:	APPD:	OAKLAND, CALIFORNIA
	RESIDENTIAL BUILDINGS AND			
	PUBLIC USE AREAS	DATE: 9/17/09	REV.: O	FIGURE 2

COL 624\02797C-003








COL. 624\02797B-007

date: 9/17/09	CHKD:	TMM	DWN:	
rev: O	APPD:	JRC	DES:	HORIZON 0 VERTIC
FIGURE 5	OAKLAND, CALIFORNIA	EARTHGRAINS	PROJECT NO: 62402797	AL SCALE IN FEET



COL. 624\02797B-002





COL



DL 624\02797B-010

сог

COL. 624\02797B-011



APPENDIX A

HISTORICAL SOIL BORING LOGS

APPENDIX B

SUBSURFACE INVESTIGATION DATA JANUARY 2009

APPENDIX C

SOIL SAMPLE ANALYTICAL DATA JANUARY 2009

APPENDIX D

GROUNDWATER SAMPLE ANALYTICAL DATA JANUARY, APRIL, JULY 2009

BOUND COPY CONTINUED (2 OF 2) TIER 1 RISK ASSESSMENT AND NO FURTHER ACTION REQUEST REPORT

EARTHGRAINS BAKING COMPANIES, INC. 955 Kennedy Street Oakland, California 94606

RO #0002569

September 17, 2009

Prepared By:

PSC INDUSTRIAL OUTSOURCING, LP 210 West Sand Bank Road Columbia, Illinois 62236-1044

Project 62402797



APPENDIX A

HISTORICAL SOIL BORING LOGS

















	ALL MAL	Project N <u>Kilpatrick'</u> 955 Kenr Drawing N	lumber: <u>CTI</u> 's Bakeries 1edy Street, 1o.: A1041:	— 106 Oaklan 209	BO id, <u>CA</u> Page:	RING LOG	MONITORING WELL No.: <u>MW-5</u> TOP OF CASING ELEV.: 1 <u>03.09 ft.</u> TOTAL BORING DEPTH: <u>34.00 ft.</u> BY: <u>K. Rahman</u> DATE: 8/26/92
Pocket pene- tromete TSF	Re- cove (in/i	Blow ry Count (blows /6")	Sample Depth (feet)	Well Detail	Strati- graphic Column		Description
3.5 3.5 3.0 3.0 3.0	18/1	6 3 5 13 6 8 14 5 18 23				 CONCRETE. FILL, Pea gra 3": FILL, Clay 60-70% fine plasticity fines dense; damp; CLAYEY SILT (ML grayish brown moderate plas Fe-oxide stain GRAVELLY SILT (2.5 Y, 3/2); fines; 20-30% medium sand; very stiff; no CLAY (CL), Olive moderate plas very stiff; no 	 wel/slit. ey sand, olive brown (2.5 YR, 4/4); to medium sand; 30-40% moderate s; abundant Fe-oxide staining; medium no odor. abundant Fe-oxide staining; medium no odor. Mottled black (2.5 Y, 2/) and dark (2.5 Y, 4/2); 95-100% low to aticity fines; trace fine sand; trace hing; very stiff; dry; no odor. (ML), Very dark gravish brown 65-75% low to moderate plasticity fine to coarse gravel; trace fine to some Fe-oxide staining; damp; very odor. brown (2.5 Y, 4/4); 95-100% ticity fines; trace fine sand; damp; odor.
2.0	oring	8 drilled usin				20 ft. Some	organic material; damp; stiff; no odor.
nor mo wit	ted intonin tonitorin th 0.01	ervals usin g well was 0 inch ma	g eight—incl ig a two—in is installed u ichine slot	ch diar sing tw (see We	neter nolla neter ma no-inch (ell Detail)	ow—stem augers. odified—California diameter schedul). The well—head	soli samples collected at the above- split—spoon sampler. A groundwater e 40 polyvinyl chloride casing screened was surveyed to site datum.







									CLIENT		SITE	NUMBER	L	OCATION	
		G							PSC - Sara Le	e		Oaklan	d	955 Kenne Oakland, C	dy Street A 94606
Engine	ering F SO), Inc. IL BOF	ring:			:0	1	-	DRILLING AND SAMPLING METHOD	Han S Core	d-augei e Clear	red to 4 feet by Acetate Liners	gs. Direct push a.	Geoprobe 5410 v	vith Macro
COOR		TES							WATER LEVEL	⊋ 17 .	.25	⊻ 19.87			
ELEVA		TOP	OF CA	SING):				TIME	11	22	1200		TIME	FINISH TIME
									DATE	9/15	5/06	9/15/06		1100 DATE	DATE
LICEN	SE N		R: 777	(007	, ,,				REFERENCE	G	iS	GS		9/15/06	9/15/06
	ES Ü	s/6" ER	ÐN		PLE	APLE RED	읒	SU	JRFACE CONDITIONS			Concrete			
DRIVE	RECO	BLOW	OVA READI	DEPTH (feet)	AIR SAMI WATER S	SOIL SAN RECOVEI	GRAPH	DI	ESCRIPTION BY:			D. Pew	Romenied b	AC : pr	Yleel
				0			NCRE		CONCRETE to 10" bgs.						0
				1			SOM-		SILTY GRAVEL(aggreg gravel to 0.75" diameter	ate bas , dry.	se fill),	Dark brown	ı (7.5YR 3/3),	loose, angular	
				2				S	SILTY CLAY, Black (5Y	2.5/1),	, medi	um stiff, low	plasticity, dŋ	/.	
				- 3-											
48	48	-	132	4		X		(r	Change to greenish blad noderate odor.	k (GLE	EY1 1()Y 2.5/1), so	oft to medium	stiff, slightly m	ioist,
		-		6-	-		CL		Color change to mottled	very d	lark gr	ey (10YR 3/	1) and dark y	ellowish brown	
	,		0,0	7					10 Y R 3/4), trace fine-g	ained	sand.				
48				8		X									
	-42	-		9											
		-		10			ML		CLAYEY SILT, Mottled 3/4), soft to medium stif	very da f, very l	ark gre low pla	y (10YR 3/1 asticity, little) and dark ye fine to mediu	llowish brown um-grained sar	(10YR nd,
			8.1	12-		X			SILTY CLAY, Very dark plasticity, dry, slight odc	greeni r.	ish gre	y (GLEY1 1	0Y 3/1), med	ium stiff, low	
48	42			13											
on/n1/0				- 14	T) CL		Change to moist, trace	îne-gra	ained s	and increas	sing with dept	h, no odor. Ro	oots
				15											
มี				16		X			Change to dry.						
48	42		0.0	- 17					CLAYEY SILT, Very da ine-grained sand, wet.	k grey	(10YF	R 3/1), soft, v	very low plast	licity, little	
510 OF-		-		- 18					SILTY CLAY, Very dark blasticity, slightly moist.	greyis	h brov	vn (2.5Y 3/2), medium stil	ff to stiff, low	
		-		- 19					Color change to mottled (10YR 3/4).	very d	lark gr	ey (10YR 3/	1) and dark y	ellowish brown	
1 2 2 2			0.0	20-	·····	X									

									CLIENT	SITE NUMBER	LOCATION
Engir	neering	g, Inc.							PSC - Sara Lee	Oakland	955 Kennedy Street Oakland, CA 94606
INC	HES	م			Ц	I		L	OG OF SOIL BORING:		
La La	N EF	VS/(DING	폰	MPLE SAME	AMPLE	회 운			E01	
DRIV	RECI	BLOV	REAL	DEP' (feet)	AIR SA	SOILS	ESA 19				
40									Sample not recovered due to t	plow-out from pressure of driv	ve, appearance is wet,
40				21					sandy.		
							-				
				22			-				
				23					SILTY CLAY, Very dark greyis moist.	h brown (2.5Y 3/2), stiff, low	plasticity, dry to slightly
		-	0.3			$\overline{\Delta}$					
				24			<u>*</u> sw.	້ຍ ((GRAVELLY SAND, Dark greyi coarse-grained subangular sar	sh brown (2.5Y 4/2), mediun nd, gravel to 1" diameter, wel	n dense, little silt, fine to t.
				25					Boring terminated at 24 feet. I neat cement.	Boring filled and sealed with	a grout consisting of
							-				
				26			-				
				27							
							-				
				28			-				
				29]				
			8			-					
-				30							
				31—]				
							-				
				32							
				33							
							-				
				34							
				35			-				
							-				
				36	11						
	<u> </u>			37	$\left \right $						
						-					
8	1			38			1				
0,10				39							
100						-					
Ŭ.	-			40		-	_				
				41-			-				
K BL											
SL-OA	-			42							
Sul				43			-				
L BOF				******			-	ĺ			
L SOI	1			44							
0 00				45			_				

										CLIENT		SITE	NUMBER	1	OCATION	
E		U								PSC - Sara Lee	Э		Oakland		955 Kenne Oakland, C	dy Street A 94606
Engir	neering	g, Inc.						_		DRILLING AND SAMPLING METHOD	Han S Cor	id-augei e Clear	ed to 3 feet bgs Acetate Liners.	. Direct push	5410 Geoprobe	with Macro
LOG	OF SC	IL BOI	RING:			E	02	2	F				(r		
000	RDINA	TES:								WATER LEVEL			▼ 11.10			
ELE\	ATION	I TOP	OF CA	SING	3:					TIME			1330			
CASI		LOW	SURF							DATE			9/15/06		1240	1320
	LING (NSE N		4ΝΥ: Ε R: 777	nproi: 007	C					REFERENCE			GS		9/15/06	9/15/06
INC	HES			<u> </u>	Π	щ	T		SUF	RFACE CONDITIONS			1		1	1
VEN	OVEF	WS / (DING	TH H	AMPLE	SAMPLE SAMPLE	VERED	CPHIC					Concrete			<u>.</u>
DRI	REC	BLO SAN	REA	(feel	AIR S	NATE	E CONTRACTOR	20 20 20 20	DES	SCRIPTION BY:			D. Pew 🏴	wrenied b	y: B'	Neel
				0-			H		C	ONCRETE.						\bigcirc
				1	-		H	ΨŰ	SI	LTY GRAVEL(aggrega	ate ba:	se fill).	Dark brown (7.5YR 3/3).	. loose. angular	
				2-					gra	avel to 0.75" diameter,	dry.	,,		,	,,	
								GM.								
48				3	-											
				4	-				SI	LTY CLAY, Mottled ve	ry dari	k grey	(10YR 3/1) ar	nd dark yell	owish brown (1	0YR
	36	-	0.0	5	-	Z			3/4	4), stiff, low plasticity, o	dry.					
		-														
				0												
	48			7	-			CL								
			-0.0-	8		×										
		-		9		ľ			Tr	ace fine to medium-gra	ained	sand a	t 8.5 feet bgs,	, increasing	y with depth.	
			tttttt	10					CL 3/4	AYEY SILT, Mottled v 4), soft to medium stiff	very da , very	ark gre low pla	y (10YR 3/1) a isticity, little fi	and dark ye ne to medii	ellowish brown (um-grained san	(10YR d,
40				▼ 11					m	oist.	-		-		-	
	42-		-2.7	12-					SI sli	LTY CLAY, Very dark ghtly moist, slight odor	greyis , roots	h brow s prese	n (2.5Y 3/2), i nt.	medium sti	ff, low plasticity	,
		-		13		ŕ	Ĺ									
10/06		-							Co	olor change to mottled	very d	lark gro	ey (10YR 3/1)	and dark y	ellowish brown	
10/		<u></u>		14					(1)	0YR 3/4).	-	~	,			
TIC.GL				15-					Cr	range to still at 13.5 fe	et Dgs	ō.				
ш 48 25	42-		-0.0	16			ľ	Í CL	Cł	hange to dry at 15.75 f	eet bg	s.				
AK BL				47		ľ										
0-IS				',												
ORING	-			18-	$\left \right $											
SOILB				19-	$\left \right $											
н <mark>ы 36</mark>				20												
<u>کل</u>	1	L	<u> </u>	1			ـلــل									

				-A			*****	T	CLIENT	SITE NUMBER	LOCATION
Engi	neering	g, Inc.							PSC - Sara Lee	Oakland	955 Kennedy Street Oakland, CA 94606
INC	CHES				น	Π		10	OG OF SOIL BORING:		
DRIVEN	RECOVER	BLOWS / 6" SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE WATER SAMPL	RECOVERED	GRAPHIC LOG			E02	
1	- 50		0.0			Ă,					
		-		21			CL				
36	36			~~~							
		-		23—				S	ILT, light olive brown (2.5Y 5	/3), soft, some fine to mediur	n-grained sand, very
			0.0	24		_	ML	m	ioist.		
			0.0	25		X	┛┓┓	В	oring terminated at 25 feet.	Boring filled and sealed with	a arout consisting of
								ne	eat cement.	-	- <u>-</u>
				26							
				27							
						Η					
				28							
				30		Н					
				31							
				32							
				33							
						-					
				34—							
				35		Ц					
				36-							
				37		-					
80				38							
10/10/				39							
GDT				40							
				40							
G9				41							
AKB				12							
0-18				42-							
RING				43							
				44							
OF SC	1	ļ		,							
			l	45							

									CLIENT	SITE	NUMBER		CATION	
			U						PSC - Sara Le	e	Oakland		955 Kenne Dakland, C	dy Street A 94606
	ngin .0G (eering OF SC	g, Inc. DIL BOI	RING:		I	EC)3	DRILLING AND SAMPLING METHOD	Hand-auge S Core Clear	red to 3 feet bgs Acetate Liners.	. Direct push 5	410 Geoprobe	with Macro
	:001	RDINA	TES:						WATER LEVEL		⊈ 10.50			
E						3:			TIME		1405			
	RILI			ANY: E	Enprol				DATE		9/22/06		DATE	DATE
L		NSE N	UMBE	R: 777	2007	TT	.	1			GS		9/22/06	9/22/06
	INCI NJ		WS / 6" PLER	DING	HT~	AMPLE	K SAMPLE SAMPLE	PHIC	SURFACE CONDITIONS		Concrete			
	DRIV	REC	SAM	REA	(feet	AIR S/	SOIL S	LOG RA	DESCRIPTION BY:		D. Pew 🤻	eviewed ?	ry. IS	Neef
-					- 0	-		ONCRET	ECONCRETE to 8" bgs.					0
					1-1-			- GM	SILTY GRAVEL(aggrega gravel to 1" diameter, dr	ate base fill), y.	Dark brown (7.5YR 3/3), I	oose, angular	
					2-				SILTY CLAY, Black (5Y	2.5/1), medi	um stiff, low p	lasticity, sligi	htly moist.	
	48	45	 		3				Includes little fine to me	dium-grained	sand from 3.	25 to 6 feet b	ogs.	
			<u>-</u>	0.0	4-									
			 		5-									
					6-			CL	Change to mottled colori (10YR 3/4), no sand.	ing, very darl	grey (10YR	3/1) and dark	c yellowish bro	own
	48			}	7-				Change to stiff					
		42	-	-0.0-	8	-	X		onango to oun.					
					9				Includes trace medium-g	rained sand	from 8.75 to 9	9.75 feet bgs	i.	
					10			ML	SANDY SILT, Olive brow sand, little clay, very mo	vn (2.5Y 4/3) ist.	, soft, fine to i	medlum-grair	ned subround	ed
					11				SANDY CLAY, Very darl plasticity, fine to medium	k greyish bro n-grained sar	wn (2.5Y 3/2) id, moist.	, medium stil	ff to stiff, low	
	48	-42		-0.0	12	Ţ	X							
<u> </u>					13				SILTY CLAY, Mottled ve (10YR 3/4), stiff, low plas	ry dark grey sticity, roots	(10YR 3/1) ar present, slight	nd very dark ; tly moist.	yellowish brov	WN
10/10/06					14			CL/						
C.GDT		ļ			15				Change to very dark gre	yish brown (2	2.5Y 3/2), soft	, moist.		
	36	36			16-				CLAY, Mottled very dark 3/4), stiff, low plasticity, r	grey (10YR moist.	3/1) and very	dark yellowis	sh brown (10)	/R
AK BL.G			-	0.0	4-		Х							
10-15 U					1 1/~			CL						
BORIN	36	36			18				Roots present from 18 to	o 18.75 feet l	ogs.			
OF SOIL		ļ			19-									
		<u> </u>	-		20						······			

								T	CLIENT	SITE NUMBER	LOCATION
Engi	neering	g, Inc.							PSC - Sara Lee	Oakland	955 Kennedy Street Oakland, CA 94606
INC	CHES	5			Ш	TT		LC	OG OF SOIL BORING:		
DRIVEN	RECOVER	BLOWS / 6 SAMPLER	O OVA COVA READING	DEPTH (feet)	AIR SAMPLE WATER SAMPL	RECOVERED	GRAPHIC			E03	
	26			21				In	cludes some silt and trace fi	ne-grained sand beginning a	t 21 feet bgs.
		-		22							
			0.0	23		z i		SI	ILT, Light olive brown (2.5Y !	5/3) soft, some fine-grained s	and, moist.
36				24			ML				
				26				SI	ILTY SAND, Light olive brow	n (2.5Y 5/3), loose to mediur	n dense, fine-grained
	12	~	0.0	27			SM (sa Bo ne	and, trace angular gravel to 0 oring terminated at 27 feet. eat cement.	0.5" diameter, wet. Boring filled and sealed with	a grout consisting of
				28—							
				29 30							
				31-		H					
				32							
				33							
				34							
				35							
				37							
90				38—							
GDT 10/10				39							
				40							
	_			42							
SORING SI				43							
S OF SOIL E				44							
<u>з</u>				45							

Γ										ſ	CLIENT		SITE	NUMBER		LOCATION	
			16	-						*****	PSC - Sara Le	е		Oakland		955 Kenne Oakland, C	dy Street A 94606
	Engin	neerin	g, Inc.								DRILLING AND SAMPLING METHOD	Ha S Co	nd-auger	ed to 3 feet bgs Acetate Liners.	Direct pus	h 5410 Geoprobe	with Macro
	LOG	OF SC	DIL BO	RING:			E	04	ŀ					r		······	
	coor	RDINA	TES:								WATER LEVEL	⊈ D	RY				
	ELEV		N TOP	OF CA	SINC	3:				Î	TIME					TIME	FINISH TIME
	CASI	NG BE	LOW	SURF	ACE:						DATE					1310	1345
	URILI LICEN	LING (NSE N	JOMP	ANY: E R: 777	nprol: 007	b				Ì	REFERENCE					DATE 9/12/06	DATE 9/12/06
	INCI	HES					щ	Π		su	IRFACE CONDITIONS	<u> </u>		<u> </u>		l	1
	/EN	OVER	WS / 6 PLER	DING	HL	MPLE	R SAMPLE	CERED	D L L					Concrete			
	DRIV	REC	BLOI	OVA REAI	DEP (feet)	AIR SA	WATE! SOIL S	RECO	GRA LOG	DE	SCRIPTION BY:		T. I	ob / D. Pew	Revia	red by: J	Sheet
ŀ					0-	-				c	ONCRETE to 10" bgs.						9
					1				ΨŪ	E S	ILTY GRAVEL(aggregation)	ate ba	ise fill),	Dark brown (7.5YR 3/3), loose, angular	
			·····					$= \sum_{c}^{o}$	P.H	g	ravel to 0.75" diameter,	, dry.	,,			,, ,	
					2-												
					3	-				s	ILTY CLAY, Black (5Y	2.5/1), mediu	ım stiff, low p	lasticity, sl	lightly moist.	
	40				4												
				-	F												
		24								С	hange to mottled dark	grey (10YR 4	/1) and dark y	/ellowish t	orown (10YR 4/6	s),
				-0.0	6					u,	ace medium-grained sa	and, d	iry.				
					7	-											
	48	48								С	hange to soft, little me	dium-ı	grained	sand, moist.			
				0.0	0					С	hange to medium stiff,	trace	mediun	n-grained san	d, dry.		•.
-					9				CL								
					10	$\left \right $	∇										
				0.0	11												
	48	45															
					12												
-					13												
11/06					1.4												
11 11				-	14												
ETIC.G	48			-0.0	15	-											
CPJ 1		45			16			77	ML	C fir	LAYEY SILT, mottled on ne-grained sand, moist	lark g	rey (10`	YR 4/1) and b	lack (5Y 2	1.5/1), soft, trace	•
AK BL					17					S pl	ILTY CLAY, mottled da lasticity, dry.	irk gre	ey (10YF	R 4/1) and bla	ick (5Y 2.5	5/1), medium sti	ff, low
SL-O					1,												
ORING					18	$\left \right $											
SOILB				-0.0	19—	$\left \right $	X	P		B	oring terminated at 19	feet.	Borina f	illed and seal	ed with a d	arout consisting	of
G OF (20-			Н		ne	eat cement.		9 ,				
3[1	L	1	20-		<u> </u>	Ш									

Γ											CLIENT		SITE	NUMBER	L(OCATION	
			U								PSC - Sara Le	е		Oakland		955 Kenne Oakland, C	dy Street A 94606
	Engin	eerin	g, Inc.								DRILLING AND	Ha S Co	nd-auger re Clear	red to 3 feet bgs Acetate Liners.	. Direct push	5410 Geoprobe	with Macro
	_OG	OF SC	IL BOI	RING:			E	0	5			-		·	·····		
	cool	RDINA	TES:								WATER LEVEL	⊊ D	RY				
	ELEV	ATION	I TOP	OF CA	SINC	3:					TIME					TIME	FINISH TIME
	CASI	NG BE	LOW	SURF	ACE:						DATE					1400	1630
				4NY: Ε	inprol	b					REFERENCE					- DATE 9/12/06	DATE 9/12/06
-		HES		K. 111		Τ	ш	T		SU	JRFACE CONDITIONS	L			<u>I</u>		
	EN	OVER	NS / 6	DING	E	MPLE	SAMPI	ERED	U L L					Concrete			
	DRIV	REC	BLOV	OVA REAL	DEP1 (feet)	AIR SA	WATER COB C	RECOV	LOG RAI	DE	ESCRIPTION BY:		T. I	lob / D. Pew	Reviewed	l by: F	s need
					0				235. C. C.	с	CONCRETE.						0
					1				ONCRET	re °							
								_	GM	g g	ravel to 0.75" diameter	ate ba , dry.	ise till),	Dark brown (7.5YR 3/3),	loose, angular	•
-					2-					S Si	ILTY CLAY, black (5Y and, dry.	2.5/1)), mediu	ım stiff, low pl	lasticity, trac	æ medium-gra	lined
-					3												
	48	40		0.0	L L					С	olor change to mottled	black	: (5Y 2.9	5/1) and dark	yellowish br	own (10YR 4/	6).
		42	-	0.0			2	ζ									
-			-		6												
_					7-					C 4,	Color change to mottled /6).	dark	grey (10	0YR 4/1) and	dark yellowi	sh brown (10)	′R
******	48									С	hange to slightly moist	•					
		39			9-												
			 	-0.0	10		5	7									
					11		×.	4	CL								
										С	Color change to very da	rk gre	yish bro	own (10YR 3/;	2), soft, mois	st.	
F	48	48			12	1											
┝					13					C (1	Color change back to m 10YR 4/6), medium stif	ottled f, drv.	dark gr	ey (10YR 4/1) and dark y	ellowish browr	ı
/10/08			-]	14					Ť	races of roots present	from	13.5 to	14 feet bgs.			
51 21					45												
9.0				0.0	1.0~		2	\langle									
eP -	48	19			16												
AK BI			-		17												
SL-C			-		18												
ORIN																	
SOILE					19–		4										
5 6				-0.0-	20		2			в	oring terminated at 20	feet.	No wat	er in hole afte	r 2.5 hours.	Boring filled	and
2		l	L	L					<u> </u>	S	ealed with a grout cons	sisting	of neat	cement.		-	

PSC - Sara Lee Oakland OpStand OpStan					·							CLIENT		SITE	NUMBER	LC	CATION	
Engineering, Inc. LOG OF SOIL BORING: E06 LOG OF SOIL BORING: E06 COORDINATES: ELEVATION TOP OF CASING: CASING BELOW SURFACE:: DATE DRILLING COMPANY: Enprob TIME DRILLING COMPANY: Enprob REFERENCE DIRCHES SurfAct Comprox NOTES SurfAct Comprox SurfAct Comprox				U								PSC - Sara Le	е		Oakland		955 Kenne Dakland, C	dy Street A 94606
LOG OF SOLL BORING: E06 COORDINATES: ELEVATION TOP OF CASING: CASING BELOW SURFACE: DRILLING COMPANY: Enprob DICENSE NUMBER: 777007 DRILLING COMPANY: Enprob DECEMPTION SY: T. Icb / D. Pew (Isoverall by: J) (J) (S) (S) (S) (S) (S) (S) (S) (S) (S) (S	En	gin	eering	g, Inc.								DRILLING AND SAMPLING METHOD	Ha S Co	and-auger ore Clear	ed to 4 feet bgs Acetate Liners.	. Direct push (Geoprobe 5410 v	with Macro
COORDINATES: WATER LEVEL 2 DRY START FINSH CASING BELOW SURFACE: DATE 0920 1600 DRILLING COMPANY: Enprob REFERENCE DATE 0920 1600 DRILLING COMPANY: Enprob REFERENCE DATE 0475 0475 0475 INCREE 58 <t< td=""><td>LC</td><td>)G (</td><td>OF SO</td><td>IL BO</td><td>RING:</td><td></td><td></td><td>E</td><td>0</td><td>6</td><td></td><td></td><td>- </td><td></td><td>1</td><td></td><td>·····</td><td></td></t<>	LC)G (OF SO	IL BO	RING:			E	0	6			- 		1		·····	
ELEVATION TOP OF CASING: TIME TITME TIME		DOF	RDINA	TES:								WATER LEVEL	Ţ C	DRY				
CASING BELOW SURFACE: DATE 0920 1600 DRILING COMPANY: Enprob REFERENCE DATE DATE INCERS State State State State State State State	EL	.EV.	ATION	I TOP	OF CA	ASING	3:					TIME					START TIME	FINISH
DRILLING COMPANY: Enprob REFERENCE 9/12/06 ILCENSE NUMBER: 777007 REFERENCE 9/12/06 INCHES State State INCHES State <		ASIN	NG BE	LOW	SURF	ACE:				······		DATE					0920	1600
INCHES INCHES INCHES Concrete INCHES Interfect Interfect SUPPACE CONDITIONS Concrete INCHES Interfect Interfect Interfect Interfect Interfect INCHES Interfect	DF		ING C		4NY: Ε Ρ· 777	Inprol	С					REFERENCE					- DATE 9/12/06	DATE 9/12/06
Bit of the second se		INCH	HES				Τ	ш	T		SU	IRFACE CONDITIONS	<u> </u>		L			1
g g	len len		OVER	WS / 6' PLER	DING	E_	WPLE	R SAMPL	VERED	PHIC					Concrete			
0 0		2	REO	SAM	OVA REAI	DEP (feet)	AIR SA	WATE	RECON	LOG	DE	SCRIPTION BY:		T. I	ob / D. Pew	Reviewed	l by. J	1 Neet
SILTY GRAVEL(aggregate base fill), Dark brown (7.5YR 3/3), loose, angular gravel to 0.75° diameter, dry. SILTY GRAVEL(aggregate base fill), Dark brown (7.5YR 3/3), loose, angular gravel to 0.75° diameter, dry. SILTY GRAVEL(aggregate base fill), Dark brown (7.5YR 3/3), loose, angular gravel to 0.75° diameter, dry. SILTY GRAVEL(aggregate base fill), Dark brown (7.5YR 3/3), loose, angular gravel to 0.75° diameter, dry. SILTY GRAVEL(aggregate base fill), Dark brown (7.5YR 3/3), loose, angular gravel to 0.75° diameter, dry. SILTY GRAVEL(aggregate base fill), Dark brown (7.5YR 3/3), loose, angular gravel to 0.75° diameter, dry. Color change to motified dark grey (10YR 4/1) and dark yellowish brown (10YR 4/6). Change to soft, little fine to medium-grained sand, slightly moist, slight odor. Change to soft, little fine to medium-grained sand, dry. Change to medium stiff, trace fine to medium-grained sand, dry. Change to slightly moist. Silty GRAVEL(aggregate base fill), Dark brown (10YR 4/6). Change to soft, little fine to medium-grained sand, dry. Change to slightly moist. Silty GRAVEL(aggregate base fill), Dark brown (10YR 4/6). Change to slightly moist. Silty GRAVEL(aggregate base fill), Dark brown (10YR 4/6). Change to slightly moist. Silty GRAVEL(aggregate base fill), Dark brown (10YR 4/6).						0-				NOPET	C	ONCRETE to 10" bgs.						O
grave 0.07 0 daminet, dy. grave 0.07 0 daminet, dy. grave 0.07 0 daminet, dy. 48 39 0.0 6 48 49 12- 12- 12- 12- 12- 12- 12- 13- 12- 13-						1-			Ě	۵ GM	S	ILTY GRAVEL(aggreg	ate b	ase fill),	Dark brown (7.5YR 3/3), I	oose, angular	
48						2					y S	ILTY CLAY, Black (5Y	, ary. 2.5/1), mediu	ım stiff, low p	lasticity, trac	e medium-gra	ained
48											S	and, dry.						
48 -]												
Coor change to motified dark grey (10YR 4/1) and dark yellowish brown (10YR 4/6).	4	8			4					~								
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$			39	-0.0	5			7		4,	olor change to mottled (6).	dark	grey (10)YR 4/1) and	dark yellowis	sh brown (10Y	′R	
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$						6-												
48 48 - 0.0 9- - 0.0 10- 10- 10- 48 42 - 11- 12- 48 42 - 13- 14- 48 - 14- 12- 13- 48 - 14- 14- 14- 48 - 16- 16- 16- 48 - 16- 18- 16- 48 - 19- 19- 19- 24 - 19- 20- 0.0- 90- - 0.0- 20- 0.0- 10- - 0.0- 20- 0.0- 10- - 10- 0.0- 20- 10- - 10- 0.0- 20- 0.0- 10- - 10- 0.0- 20- 0.0- 0.0- 10- - 0.0- 20- 0.0- 20- 0.0- 0.0- 10- 0.0- 20- 0.0- 20- 0.0-				~		7												
48 48 - 0.0 9 - Change to soft, little fine to medium-grained sand, slightly moist, slight odor. - - 0.0 10 11 Change to soft, little fine to medium-grained sand, dry. 48 - - 0.0 10 11 Change to soft, little fine to medium-grained sand, dry. 48 - - 12 13 Change to medium stiff, trace fine to medium-grained sand, dry. 48 - - 14 - 14 - - 16 16 16 17 48 - - 18 16 17 18 - - 19 - Change to slightly moist. 90 - - 0.0 20 Change to slightly moist. 80 - - 0.0 20 Change to slightly moist.						-												
Change to sort, little fine to medium-grained sand, slightly moist, slight odor. Change to sort, little fine to medium-grained sand, dry. Change to medium stiff, trace fine to medium-grained sand, dry. Change to medium stiff, trace fine to medium-grained sand, dry. Change to sort, little fine to medium-grained sand, dry.	4	8	48			8	7				~			P .				
Change to medium stiff, trace fine to medium-grained sand, dry.				-	-0.0	9-		5	7		0	nange to sort, little fine	to m	ieaium-g	rained sand,	slightly mois	t, slight odor.	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				-	0.0	10-			7		С	hange to medium stiff,	trace	e fine to	medium-grair	ied sand, dry	<i>r</i> .	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$						11		4	7									
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$]][
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	4	8				12-												
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		-	42			13												
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	10/08			-		14	_											
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	DT 10			-														
48 16- 48 17- 17- 17- 18- 18- 24 19- - 0.0- 20- 20- Change to slightly moist. Boring terminated at 20 feet. No water in hole after 6 hours. Boring filled and	ETIC.G				2.8	1 15			\langle									
Change to slightly moist.	CPU-	8				16												
Change to slightly moist.	¥ 4					17												
Change to slightly moist.	2 8 8					18												
Boring terminated at 20 feet. No water in hole after 6 hours. Boring filled and	SORIN		24								С	nange to slightly moist	•					
Boring terminated at 20 feet. No water in hole after 6 hours. Boring filled and	SOILE			•		19	1		7									
Ol I I I I I I I I I I I I I I I I I I I	ଞ୍ଚ ଅ				-0.0	20		2			В	oring terminated at 20	feet.	No wate	er in hole afte	r 6 hours.	Boring filled a	nd

									CLIENT		SITE	NUMBER	L	OCATION	
		U							PSC - Sara Le	е		Oakland		955 Kenne Oakland, C	dy Street A 94606
Engin	eerino OF SC	g, Inc. NL BOI	RING:		E	EO	7		DRILLING AND SAMPLING METHOD	Har S Cor	nd-augei re Clear	red to 3 feet bgs Acetate Liners.	. Direct push	5410 Geoprobe	with Macro
COOF		TES							WATER LEVEL	<u>⊽</u> 1	1.5	⊻ 9.70		******	
ELEV	ATION	N TOP	OF CA	SING	3:				TIME	09	926	1028		START TIME	FINISH TIME
		LOW	SURF/	ACE:					DATE	9/1	5/06	9/15/06		0910	0950
	ING U		ANY: E R: 777	nprot '007)				REFERENCE	Ģ	S	GS		9/15/06	9/15/06
INCI	HES K	ωa	0		u Ja	щ _с	0	รเ	JRFACE CONDITIONS						1
SIVEN	COVE	OWS /	A ADING	et)	SAMPLE TER SAM	L SAMPI	G CAPHIC					Concrete			
6	ц Ц	SABL	<u>85</u>	₫	AIR WA	SOI	59					D. Pew	Reviewer	Ny: I	I they
				- U			ONCRE	TE	CONCRETE to 10" bgs.						
				1 1			°GM~	, g	SILTY GRAVEL(aggreg pravel to 0.75" diameter	ate ba , dry.	se fill),	Dark brown (7.5YR 3/3),	loose, angular	
			-30.7-	2-		X		s	SILTY CLAY, Greenish strong odor.	black	(GLEY	1 5GY 2.5/1),	medium sti	ff, low plasticity	y, dry,
48				3											
	42	-		4		Х			Change to mottled dark ow plasticity, trace fine	grey (to mea	10YR 4 dium-gr	I/1) and dark ained sand, s	yellowish br slightly mois	own (10YR 3/4 it.), very
		-		5											
				6											
48			0.0	7											
	42	-	-31.3	8		X									
		-		9											
				▼ 10					SANDY SILT motiled d	ark ore	∠v (10	(R 4/1) and d	ark vellowiel	h brown (10VP	3/4)
			0 0	11				s	oft, some clay, fine to r	nediur	n-grain	ed sand, moi	st.		5/4/,
48			0.0	¥				0	Change to wet.						
	42	-	-0.0-	12		X		įs	SANDY CLAY, mottled	dark g	rey (10	YR 4/1) and c	lark yellowis	sh brown (10YF	R 3/4),
		-		13				l n l s	ubangular sand, wet.	asticit	y, iittie	silt, fine to co	arse-graine	d, subrounded	to
	·····			14				I C	Change to moist. Roots present from 14 to	o 14.5	feet bg	ıs.			
				15											
u 48	45		0 1	16											
			,			Х			المعاقلين المعاقلين	(40)/5	5 A IAN -	مرور مرور المرور الم	uich hurren		54 \$2441
				1 17					ine-grained sand, moist	ark are	(10Y	nu uark yellov R 4/1) and da	wsn prown (Irk vellowish	101 R 3/4), SO	a, nuie 3/4).
				18			///CL//	n	nedium stiff, very low pl	asticit	ý, dry.				• ;;
2001				19											
5 40				20			[ML]	0	CLAYEY SILT, Very dar	k grey	ish bro	wn (10YR 3/2	?), soft, wet.		

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								Ť	CLIENT		
	' - , -								OLICIA		LOOATION
Engi									PSC - Sara Lee	Oakland	955 Kennedy Street Oakland, CA 94606
		, ii C.	I	[·
INC	i fí	19 19	U		NPLE	Щo	с		DG OF SOIL BORING:		
I N	No.	PLE B	NIC	H C	AMPL R SA	SAMP	Ha			EU/	
DRI		SAN	REA	(feet	AIR S. WATE	SOIL 3	A901				
	42	_				X					
								l S m	nedium stiff, low plasticity, m	ey (101K 4/1) and dark yellov oist.	vish brown (10YR 3/4),
		-		21					, , ,,		
				22-							
			ļ								
ļ			_0.0_	23-				s	ANDY SILT, Light olive brow	vn (2.5Y 5/4), soft, fine to med	lium-grained sand, wet.
48							MI		alor abanco to yozy dark are	viab brown $(10)(\mathbf{D},2(2))$	
	42			24					olor change to very dark gre	yish brown (101R 3/2).	
		-						s	ILTY SAND. Verv dark grevi	sh brown (10YR 3/2). loose f	o medium dense, fine to
	-	_		25-			SM .	i ci	oarse-grained sand, little cla	y, wet.	
							ML		EAYEY SILT, Very dark grey	yisn brown (10YR 3/2), mediu	im stiff, moist to wet.
	1			26		X	\$ \$	G tc	RAVELLY SAND, Dark grey coarse-grained sand, subar	rish brown (10YR 4/2), loose i ngular gravel to 1" diameter, l	to medium dense, fine ittle silt, wet.
	+		-0.3	27			<u></u>	В	oring terminated at 27 feet.	Boring filled and sealed with	a grout consisting of
				28				10	eat cement.		

				29							
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	-			30		$ $					
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LO S			1	4.		ΙH					
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								T	CLIENT		SITE	NUMBER	LO	CATION	
		U							PSC - Sara Le	9		Oakland		55 Kenne Dakland, C	dy Street A 94606
Engine	ering	, Inc.					_		DRILLING AND SAMPLING METHOD	Har 3 Cor	id-auger e Clear	ed to 4 feet bgs. Acetate Liners.	. Direct push G	eoprobe 5410 v	vith Macro
LOG OI	F SOI	l Bof	RING:		E	:0	8								
COOR		res:							WATER LEVEL			⊻ 18.71			
ELEVA	TION	TOP	OF CA	SING) :				TIME			1540		START TIME	FINISH TIME
CASING	G BEL	_OW S	SURF	ACE:					DATE			9/12/06		1500	1600
			ANY: E	Inprot)				REFERENCE			GS		DATE 9/12/06	DATE 9/12/06
INCHE	S NC		<u>к. ///</u>		<u>u</u>		ſ	s	IRFACE CONDITIONS						
jen	OVER	WS/6 PLER	DING	H H	WIPLE R SAMPI	VERED	PHIC					Concrete	~		
DRIV	REO	BLO! SAM	REAL	DEP (feet)	AIR S/ WATEI	SOIL S	CGR CRA	DE	SCRIPTION BY:		T. I	ob / D. Pew	Revierd	by: J	1 Neer
				0			ONCRE	TEC	ONCRETE.						\bigcirc
				1			ext by		ILTY GRAVEL(aggrega ravel to 0.75" diameter	ite ba dry.	se fill),	Dark brown (7.5YR 3/3), k	oose, angular	
	-														
	-							S	SILTY CLAY, Black (5Y	2.5/1)	, mediı	um stiff, low p	lasticity, dry.		
48	48 - 0.0 5 8								foil sample collected at	4 to 4	.5 feet	bgs for physic	cal properties	E famour (40)	~
	~	-						3	/4), trace medium-grain	dark (ed sa	nd.	JYR 4/1) and	dark yellowis	n brown (10)	Υ κ
				6											
				7		X			oil sample collected at	7 to 7	5 foot	hae for physic	al proportion		
				8					on sample conduct at	1 10 1	.0 1001	bgs for physic	ar properties		
48															
	42						CL								
		-	0.0	10	_	Χ									
				11-					Change to soft, moist, fr	om 11	to 11.	5 feet bas.			
				12								Ŭ			
48	48	-							nange to slightly moist						
ا ا ا ا				13				C	Change to medium stiff,	dry.					
20 V0		-		14	$\left \right $										
			0.0	15											
	-					X									
48	48 -			1 16	1										
		-		17	$\left \right $		CL/	s s	ANDY CLAY, dark yell and, moist.	owish	brown	(10YR 4/6), s	oft, low plasti	city, fine-grai	ned
		N		18-				n S	BILTY CLAY, Mottled da nedium stiff, low plastic	rk gre ty, dry	y (10Y /.	R 4/1) and da	rk yellowish l	prown (10YR	3/4),
BORIN				¥ 40			//CL//			-					
				19		\vdash									
<u>ۃ</u>			-0.0	20-		Δ		4 E	Boring terminated at 20	feet. I	Boring	filled and sea	led with a gro	out consisting	of

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			U							PSC - Sara Le	е		Oakland		955 Kenn Oakland, (edy Street CA 94606
ĮE	ngin	eering	g, Inc.							DRILLING AND SAMPLING METHOD	Dire S	ect push	Geoprobe 5410) with Dual	Tube Clear Acetat	e Liners.
L	.OG	OF SO	IL BOF	RING:			Ξ()9			r			.		
	cool	RDINA	TES:							WATER LEVEL	⊻ 9 .	.92	⊻ 26.37	⊻ 10.1		CINICIA
E	ELEV			OF CA	SING):				TIME	07	755	0855	091	5 TIME	
			COMPA			 ``				DATE	9/2	1/06	9/21/06	9/21/0	06 0735	DATE
		NSE N	UMBE	R: 777	007	, 				REFERENCE	6	S	GS	GS	9/21/06	9/21/06
		HES	5/6" ER	Q		121	WINTE PLE	8 9	S	SURFACE CONDITIONS			Concrete			
	RIVE	RECOV	SAMPL	OVA READIN	DEPTH feet)	IR SAMP	OIL SAM	ECOVER	Ö [DESCRIPTION BY:		гт А.		Row	i a D m.	JA Nol
		ЦĽ. 			<u> </u>		ss			CONCRETE		E. A	pper/ D. Pew	- Juice	ionce by	<u> </u>
					1			CON(RETE U	PEA GRAVEL, Former	tank e:	xcavatio	on backfill ma	aterial, de	nse, subrounde	d to
	36								ľ2	subangular gravel to 0.5	i" diam	neter, lil	ttle coarse-gr	ained sar	nd.	
					2				50							
				******	3											
	48				4	~			P'							
_					5											
					6			-00 -00								
					7				ğ							
					0	******			b'							
	48				-0			Ъ°С								
-					9				P							
					10				0	Loose from 10 to 14 fee	t bgs.					
					11											
-					12			Ц°С	2,0							
	48				13			H°u	0							
/1/06			:		1.4				02							
3DT 11.					1 1 24.000				$\sum_{i=1}^{n}$	Dense from 14 to 18 fee	et bgs.					
ETIC.					15			Щ°С Ц°С	50							
BL.GPJ	48				16	$\left \right $			°,							
-OAK	. •				17	$\left \right $			D'a							
S SNIS					18			Ŀ		CLAY, Dark arev (10YR	4/1).	stiff. me	edium plastici	ity, with li	ttle silt and trace	\$
OIL BOF					19-					medium-grained sand, r	noist.	.,		y,		
G OF SI					20-											
3[L			L											

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						*********	*****		CLIENT	SITE NUMBER	LOCATION
Engir	neering	g, Inc.							PSC - Sara Lee	Oakland	955 Kennedy Street Oakland, CA 94606
INC	HES	r.o.		1	u			L	OG OF SOIL BORING:		
DRIVEN	RECOVER	BLOWS / 6 SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE WATER SAMP	SOIL SAMPLE	GRAPHIC LOG			E09	
48	48		0.0			Д					
		-		21—							
		-		22			4444 7777		CLAYEY SAND, Dark greyish	brown (2.5Y 4/2), medium	dense, fine-grained sand,
								i ti	race subangular gravel to 0.5	' diameter, moist.	
-			0.0	23-							
				24		Х					
48	48	-		0.5					Change to wet to saturated.		
		-		25-	-			1 8	SAND AND GRAVEL, Dark gr	eyish brown (2.5Y 4/2), der	nse, with clay,
	<u> </u>	-		26				fi	ine-grained sand, angular gra-	vel to 0.5" diameter, satura	ted.
				27			SP-				
			0.0			\vdash					
	+			28		Δ	المند فنداسه	Ē	Boring terminated at 28 feet. I	Boring filled and sealed wit	h a grout consisting of
				29			-	n	neat cement.		
							-				
	-			30			-				
				31			~				
						-	-				
				32		-	~				
				33-			-				
							-				
				1 34			-				
				35-			-				
				36-							
	<u> </u>			37							
	_			38							
90/								1			
11/1				39 			1				
C.G				40			-				
2 ET					*****		-				
BLG				41			1				
YA				42			-				
ନୁ ଜୁନ				12-			1				
BORIN				40			-				
soir		 		44	$\left \right $						
ы 2		ļ		45-			1				
۲ ۲	<u> </u>	1	l		ŀ						

									CLIENT		SITE	NUMBER		LOCATION	
		U							PSC - Sara Le	e		Oakland		955 Kenne Oakland, C	dy Street A 94606
Engir	neerino OF SC	g, Inc. NL BOI	RING:		E	1	0		DRILLING AND SAMPLING METHOD	Dire S	ect push	Geoprobe 5410	with Dual T	Tube Clear Acetate	Liners.
cool	RDINA	TES:						ŕ	WATER LEVEL	⊈ 24	.25	⊻ 9.47			
ELEV		N TOP		ASING):				TIME	10)40	1108			
DRIL			ANY: E)				DATE	9/2	1/06	9/21/06		DATE	DATE
LICE	NSE N	UMBE	R: 777	007	- F - F		rr		REFERENCE	Ģ	BS	GS		9/21/06	9/21/06
	HES	NS / 6" PLER	ONIC	E	MPLE SAMPLE	ample /ered	0 H	SU	JRFACE CONDITIONS			Concrete			
DRIV	RECC	BLOV	REAL	DEP1 (feet)	AIR SA WATEF	SOIL S	LOG LOG	DE	SCRIPTION BY:		E. A	ppel / D. Pew	Reng	ied by: I	Ster
				0			ÓNCRÉT	EC	ONCRETE.						\mathcal{O}
36				1				P	EA GRAVEL, Former to 0.5	ank ex " diarr	xcavatio neter, tr	on backfill ma ace coarse-g	terial, sub rained sub	prounded to pangular sand.	
				2		_	00								
				3											
48				4											
				5											
				6											
				7											
48				8			،00 • (GP								
				9											
				10											
				11											
18				12											
40				13			,00 00								
90/1/1				14											
				15											
				16				С	AY Dark grev (10YR	4/1)	stiff to v	verv stiff med	ium plasti	icity little silt an	d frace
ä 48 ¥∫	48		0.0	17		Δ		ñ	nedium-grained sand, r	noist.					
		-		18											
				19											
м 5 9			0.0	20		Χ									
3	l														

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									CLIENT	SITE NUMBER	LOCATION
Engir		g, Inc.							PSC - Sara Lee	Oakland	955 Kennedy Street Oakland, CA 94606
INC	HES	-			u			L	OG OF SOIL BORING:		
DRIVEN	RECOVER	BLOWS / 6 SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE WATER SAMP	SOIL SAMPLE	GRAPHIC LOG			E10	
48	48			*							
				21							
				22					SAND AND CLAY, Dark greys sand, trace subangular gravel	to 0.5" diameter, moist.	i dense, fine-grained
				23			///// SP-6		GRAVEL AND SAND, Dark gr	eyish brown (2.5Y 4/2), dens	se, fine to
			0.0	24		X	[]]]]	j r	medium-grained sand, little cla SAND AND CLAY, Dark greyis	iy, wet. sh brown (2.5Y 4/2), medium	dense, fine-grained
48	48						/SC+		sand, low plasticity clay, little s 24.25' bos).	ubangular gravel to 0.5" dia	meter, moist (wet at
				25							
				26				(GRAVEL AND SAND, Dark gro	eyish brown (2.5Y 4/2), dens	se, fine to
									medium-grameu sanu, irace o	ay, saturateu.	
				27							
			0.0	28		X		,			
48											
				29			GP-				
36	36	-		30-							
		-		31							
			0 2	32-		X	، ، ، ، ، ، ، ، ، ، ، ، ، ، ، ، ، ، ،			· · · · · · · · · · · · ·	
			0.2				-	l t	Boring terminated at 32 feet. It neat cement.	Boring filled and sealed with	a grout consisting of
				33			-				
				34							
							-				
				35		-					
				36							
		.		37			-				
				38							
90		_					-				
₹				39			-				
				40							
Ш					****		-				
<u>a</u>				41							
8 8				42			1				
SLO							-				
SING				43							
0F BO	ļ			<u>aa</u>							
OF SC							-				
<u>s</u>				45-						······	

Γ	-									T	CLIENT		SITE	NUMBER	T.	OCATION	
			U								PSC - Sara Le	e		Oakland		955 Kenne Oakland, C	dy Street A 94606
	Engin	eering	g, Inc.								DRILLING AND SAMPLING METHOD	Ha S Co	and-auger ore Clear	ed to 4 feet bgs Acetate Liners.	. Direct push	Geoprobe 5410 v	with Macro
Í	LOG	OF SO	IL BOI	RING:			Ë	1	1			1		1	1		
	coor	RDINA	TES:								WATER LEVEL	⊽ 1	2.5	x 18.70		OTADT	
	ELEV	ATION	I TOP	OF CA	SINC	3:					TIME	1	204	1628		TIME	
	CASI	NG BE	LOW	SURF							DATE	9/1	12/06	9/12/06		1135	1640
	LICE	LING C		4ΝΥ: Ε R: 777	nproi 007	C				1	REFERENCE	(GS	GS		9/12/06	9/12/06
	INCI	HES	<u>م</u> ور			Π	L L			su	IRFACE CONDITIONS	<u></u>		I	I		1
	VEN	COVE	APLEF	ADING	HL Q	SAMPLE	ER SAMI	OVERED	APHIC					Concrete		<u> </u>	
	DRI	REC	SAN	N N N	fee E	AIR S	SOIL	REC.	<u> </u>	DE	SCRIPTION BY:		T.	lob / D. Pew	Reviewe	d by: P	S Vley
-	_,,				0-	-				C	ONCRETE.						\bigcirc
_					1	-		Ĥ	o GMĴ	s	ILTY GRAVEL(aggreg	ate b	ase fill),	Dark brown (7.5YR 3/3),	loose, angular	
					2	~				g S	ravel to 0.75" diameter ILTY CLAY, Black (5Y	, dry. 2.5/1	I), mediu	um stiff, low p	lasticity, dry	y.	
					3-												
h	/8		48		- 4	-	ĺ			C	Color change to mottled	l very	dark gr	ey (10YR 3/1)	and dark y	ellowish brown	l
_			-		5	-	X			۱.	1011(3/4), very iow pia	Such	y, nue n	ne-grained se	inu.		
			-		6	_	ŕ										
								Η									
-					- 7												
-					8-					١r	ncreasing fine to mediu	ım-gra	ained sa	and with depth	.		
-	48			1	- 9												
				-	10-												
		24					5	7	CL	с	Change to soft, moist.						
-			-		- 11	_	Ľ										
-			-		- 12	-				C	Change back to mediun	n stiff	, dry.				
	48	42			¥- - 13					С	Change to soft, wet, bel	ween	12.5 ar	nd 13 feet bgs	i.		
1/06			-			*****				R	Roots present between	13.5	and 15 I	feet bgs.			
10/1																	
1C.6D	15-																
PJ ET																	
< BLG	48				47												
SL-OAF					I/												
RING				<u> </u>	- 18	1					N		•				
JIL BO			-		- 19-	-				C	nange to soft, moist, o	lecrea	asing sa	nd.			
OF S(_		7			Boring terminated at 20	feet	Borine	filled and sea	led with a n	mut consisting	rof
<u>اد</u>		<u> </u>	L								eat cement.		bonng			, our consisting	, vi

CLIENT SITE NUMBER	LOCATION
EIIG PSC - Sara Lee Oaklan	d 955 Kennedy Street Oakland, CA 94606
Engineering, Inc. DRILLING AND Hand-augered to 4 feet b. SAMPLING METHODS Core Clear Acetate Liner	gs. Direct push Geoprobe 5410 with Macro s.
	START FINISH
CASING BELOW SURFACE:	TIME TIME 1000 1120
DATE 9/12/06 9/12/06	
LICENSE NUMBER: 777007 REFERENCE GS GS INCHES INCHES INCHES SURFACE CONDITIONS	9/12/00 9/12/00
	Reviewed by: IS 1/204
1- 1- SILTY GRAVEL (aggregate base fill), Dark brown	n (7.5YR 3/3), loose, angular
2- 2- 2- 2- 2- 2- 2- 2- 2- 2- 2- 2- 2- 2	
SILTY CLAY, Black (5Y 2.5/1), medium stiff, low sand, drv.	/ plasticity, trace medium-grained
48	
39 0.0 5 Change to mottled dark grey (10YR 4/1) and dar	k yellowish brown (10YR 4/6).
Change to soft, increasing sand content, moist.	
Change to very dark grey (10YR 3/1), wet.	k vellowish brown (10YR 4/6)
medium stiff, very low plasticity, little sand, mois	t.
11Roots present.	
Change to slightly moist.	
Boring terminated at 19 feet. Boring filled and su	ealed with a grout consisting of

	***************************************	CLIENT	SITE	NUMBER	LOCATION	
EIIC		PSC - Sara Le	e	Oakland	955 Ken Oakland	nedy Street , CA 94606
Engineering, Inc. LOG OF SOIL BORING:	E13	DRILLING AND SAMPLING METHOD	Hand-auge S Core Clear	red to 3 feet bgs. Acetate Liners.	 Direct push 5410 Geopre 	be with Macro
COORDINATES:		WATER LEVEL	⊈ 15.5	y 9.70		
ELEVATION TOP OF CASIN	G:	TIME	0822	0842		T <u>FINISH</u> TIME
DRILLING COMPANY: Enpro	b	DATE	9/15/06	9/15/06	0805	0825
LICENSE NUMBER: 777007	~ 	REFERENCE	GS	GS	9/15/0	9/15/06
INCHES	MPLE S SAMPLE AMPLE FRED PHIC	SURFACE CONDITIONS		Concrete		
DRIV BLOV SAMI COVA REAL COVA	ARSA NATEF SOLS CRAI CRAI	DESCRIPTION BY:		D. Pew 🥂	evinited by: D	Mael
		TECONCRETE. SILTY GRAVEL(aggreg gravel to 0.75" diameter SILTY CLAY, Black (5Y	ate base fill), , dry. 2.5/1), medit	Dark brown () um stiff, low pl	7.5YR 3/3), loose, ang lasticity, dry.	ular
48 48 - - - - - - - - 0.0 5 - - 0.0 7 48 48 - 0.0 - - 0.0 8 - - 0.0 8 - - 0.0 8 - - 0.0 8 - - 0.0 8		Color change to mottled 3/4). Gradual change to CLA brown (10YR 3/4), soft f medium-grained sand, s	dark grey (1) YEY SILT, Mo o medium stii slightly moist.	0YR 4/1) and o ottled dark gre ff, very low pla	dark yellowish brown (ey (10YR 4/1) and dark asticity, some fine to	10YR . yellowish
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		SILTY CLAY, Mottled da medium stiff, low plastic Roots present. Change to some fine to SILT, Mottled dark grey fine to medium-grained SILTY CLAY, Dark grey	ark grey (10Y ity, dry. medium-grain (10YR 4/1) ai sand, moist. ish brown (10	R 4/1) and dar ned sand, wet. nd dark yellow IYR 4/2), stiff,	rk yellowish brown (10 :. vish brown (10YR 3/4), low plasticity, moist.	YR 3/4), soft, little
5 5 5 20-		Boring terminated at 19 neat cement.	feet. Boring	filled and seal	led with a grout consis	ing of

									CLIENT	·····	SITE	NUMBER		DCATION	
E		U							PSC - Sara	Lee		Oakland) 55 Kenne <u>Daklan</u> d, C	dy Street A <u>946</u> 06
Engin	of sc	g, Inc. PIL BOI	RING:			E٢	14	4	DRILLING AND SAMPLING METH	Ha ODS Co	and-auger ore Clear /	ed to 3 feet bgs Acetate Liners.	Direct push 5	410 Geoprobe	with Macro
cool	RDINA	TES:							WATER LEVE	L		⊻ 13.43			
ELEV		TOP	OF CA) :				TIME			1556			
DRILI									DATE			9/15/06		1525 - DATE	DATE
LICE	NSE N	UMBE	R: 777	007	- T T		1 1	T	REFERENCI	Ξ		GS		9/15/06	9/15/06
	HES	VS / 6" PLER	OING	H	MPLE	R SAMPLE AMPLE	ERED	HIC	SURFACE CONDITIONS			Concrete			
DRIV	RECC	BLOV	OVA REAL	DEPT (feet)	AIR SAI	SOIL S	RECOV	CRAF LOG	DESCRIPTION BY:			D. Pew	levenied	by : J	S Neel
				0				DNCRET	ECONCRETE. SILTY GRAVEL(agg gravel to 0.75" diam SILTY CLAY, Black dry.	regate ba eter, dry. (5Y 2.5/1	ase fill), I), medit	Dark brown (ım stiff, low p	7.5YR 3/3), I lasticity, trac	oose, angular e fine-grained	sand,
48	48		0.0	3- 4 5		X		CL	Color change to mol 3/4).	tled dark	grey (10)YR 4/1) and	dark yellowie	sh brown (10Y	'R
48	42	-	0.2	- 7 8 9		X		ML	SANDY SILT, Mottle soft to medium stiff,	d dark gi very low	rey (10Y plasticit	R 4/1) and da y, little clay, n	ark yellowish noist.	brown (10YR	3/4),
				10	I				SILTY CLAY, Very of some fine to medium	lark greyi n-grained	ish brow I sand, n	n (2.5Y 3/2), noist.	medium stiff	, very low plas	sticity,
48	42			11- 12- 13-				SC	CLAYEY SAND, Ve medium-grained sar SANDY CLAY, Mott stiff, low plasticity, fi	ry dark gi id, wet. led dark (ne to mei	reyish br grey (10 dium-gra	own (2.5Y 3/: YR 4/1) and c ained sand, m	2), medium c lark yellowisi ioist.	lense, fine to h brown (10Yf	२ ३/४),
PJ ETIC.GDT 10/11/06			0.0	14	~	X			CLAY, Mottled dark low plasticity, roots p Boring terminated at neat cement.	grey (10` present, t : 15 feet.	YR 4/1) ; trace fine Boring	and dark yelk to medium-g filled and sea	owish brown grained sand led with a gro	(10YR 3/4), si , moist. out consisting	iff, of
SL-OAK BL.G				17-	-										
		 		18	T		H								
OG OF SOI				19 20-											

									CLIENT		SITE	NUMBER	LC	OCATION	
		U							PSC - Sara Le	e		Oakland		955 Kenne Dakland, C	dy Street A 94606
Engir	eering	g, Inc.				-			DRILLING AND SAMPLING METHOD	Hai S Coi	nd-auger re Clear	ed to 3 feet bgs. Acetate Liners.	Direct push 5	5410 Geoprobe	with Macro
LOG	OF SC	IL BOF	RING:		E	=1	5			r		ſı			
	rdina	TES:							WATER LEVEL	⊈ 1	1.0	⊻ 9.43		TOAT	EINIGH
ELEV		TOP	OF CA	SING):				TIME	12	245	1317		TIME	TIME
CASI									DATE	9/2	1/06	9/21/06			1300
	NSE N		R: 777	007	;				REFERENCE	C	98	GS		9/21/06	9/21/06
INC	HES	лe	0		äid	1 1 1 1		S	URFACE CONDITIONS			Conceta			
	COVE	MPLE		et)	SAMPLE TFR SAM	L SAMPL	CAPHIC G							18	
RG RG	뀞	SAL	8版	Ц	AIR WA	i i i i i i i i i i i i i i i i i i i	89		ESCRIPTION BY:			D. Pew	would b	5:22	They -
				0			ONCRE	d (TE	CONCRETE.						U
				1		-	° GM-		SILTY GRAVEL(aggreg	ate ba	ise fill),	Dark brown (7.5YR 3/3), I	loose, angular	
			:	2-					SILTY CLAY, Black (5Y	, ary. 2.5/1), mediı	um stiff, low p	lasticity, dry.		
				3											
48									Change to mottled color (10YR 3/4).	, very	dark gr	ey (10YR 3/1) and dark ye	ellowish browi	1
	42	-	-0.0	4	-	X									
<u></u>		-		5			CL/								
				6											
				7					Trace medium-grained	and p	present	from 6.5 to 9	feet bgs.		
48							-\///								
			0.0	8	-										
	33			9-		Å			SANDY CLAY, Dark oliv	e bro	wn (2.5	Y 3/3), soft to	medium stif	ff, very low pla	sticity,
				10					fine to coarse-grained s gravel to 0.5" diameter, Change to very dark gra	noist moist	naea to ,)rown (*	subangular s	and, little sir	t, trace angula	ar
				V 11-			CL		change to very dark gre	iyiəsi L	NOWII (1011(0/2).			
48	48								Change to wet.						
		-	<u></u> -0.0	12	-	X			CLAY, very dark grey (1	0YR :	3/1) and	i dark yellowis	sh brown (10	IYR 3/4), stiff,	low
		-		13					plasticity, trace silt, root	s pres	ent fror	n 12.5 to 14.5	5 feet bgs, m	oist.	
				14											
				16											
2 11 48	48			15			//cl/								
5 7			<u> </u>	16	-										
¥		-		- 17											
50 20				18					Roots present at 17.5 fe	et bg	5.				
T BOK		ļ	0.4			X									
5	1		+0.1 1	19-]			4	Boring terminated at 19 neat cement.	feet.	Boring	filled and sea	led with a gr	out consisting) of
		<u> </u>		20											

									CLIENT		SITE	NUMBER	LC	OCATION	
		U							PSC - Sara Le	e		Oakland		955 Kenne Oakland, C	dy Street A 94606
Engir	neering	g, Inc.					~		DRILLING AND SAMPLING METHOD	Har S Cor	nd-auger re Clear /	ed to 4 feet bgs. Acetate Liners.	. Direct push (Geoprobe 5410 v	vith Macro
LOG	OF SC	IL BOI	RING:		L	:10	D							1	
000	RDINA	TES:							WATER LEVEL	⊻ 1:	2.0	▼ 8.55	****	START	FINISH
ELEV	ATION			ASING ACE	6:				TIME	80	308	0835			TIME
DRIL	LING	COMPA	ANY: E	Inprob)				DATE	9/1	2/06	9/12/06		- DATE	DATE
LICE	NSE N	UMBE	R: 777	007				9		G	3S	GS		9/12/06	9/12/06
		/S / 6" 'LER	BNG	I	APLE SAMPLE	MPLE ERED	UHC HIC	0	URFACE CONDITIONS			Concrete			
DRIVE	RECO	BLOW	OVA	DEPT (feet)	AIR SAM WATER	SOIL SA RECOVI	GRAF	D	ESCRIPTION BY:			D. Pew R	burgine	by: F	Neet
				0			ONCRE		CONCRETE to 10" bgs.					-	\bigcirc
				1			ۍ ¢∯ل}		SILTY GRAVEL(aggreg	ate ba	se fill),	Dark brown (7.5YR 3/3), I	loose, angular	
				2					SILTY CLAY, Black (5Y	2.5/1)), mediu	um plasticity, I	low plasticity	/, dry.	
				- 3											
				4											
48				5			CL								
	33		0.0			X			Change to mottled very (10YR 3/4), very low pla	dark g sticity	reyish , some	brown (2.5Y 3 fine to mediu	3/2) and dark m-grained sa	c yellowish bro and.	Wh
		<u>-</u>		6							,		0		
				- 7					SANDY SILT dark grou	ich br	ouro (?)	5V 4/2) - coff -	fina ta madii	um arainad aa	nd
48				- 8 X					moist.		JWII (2.)	01 <i>412)</i> , 301,		um-graneu sa	una,
				- 9			ML								
				10					Change to very dark gre	yish b	rown (2	2.5Y 3/2), with	ittle clay.		
		-	0.0	- 11		X			SILTY CLAY Mottled v	erv dai	rk arevi	sh brown (2.5	Y 3/2) and c	lark vellowish	brown
				¥ 12-					(10YR 3/4), medium stil	f, very	low pla	asticity, dry.			
48	42	-		12					Change to wet.						
00/1	42			1.0			//c∟								
2	-		-	- 14											
2				- 15											
			-0.0	- 16					Boring terminated at 16	feet.	Boring	filled and sea	led with a gr	out consisting	of
-04K				17—											
				- 18											
	<u> </u>			- 19											
ກ 10 20				- 20											
≤[<u> </u>		<u> </u>				l								

									CLIENT		SITE	NUMBER	L	OCATION	
		U							PSC - Sara Le	e		Oakland		955 Kenned Oakland, C	dy Street A 94606
Engir	neering	g, Inc.		,					DRILLING AND SAMPLING METHOD	Har S Cor	nd-auger re Clear	red to 3 feet bgs. Acetate Liners.	. Direct push	5410 Geoprobe	with Macro
LOG	OF SC	IL BOI	RING:		E	1	7				~~	T	1		
	RDINA	TES:							WATER LEVEL	፶ 1	5.5	⊻ 12.88		START	FINISH
ELEV				SING): }:				TIME	17	705	1722		TIME 1650	TIME
DRIL		COMPA	ANY: E	inprot)				DATE	9/2	1/06	9/21/06		DATE	DATE
	NSE N	UMBE	R: 777	007			1	T	REFERENCE	6	es .	GS		9/21/06	9/21/06
	HES	S/6" LER	NG		PLE SAMPLE	MPLE	NH NH	SL	JRFACE CONDITIONS			Concrete			
DRIVE	RECO	BLOW	OVA READI	DEPTI (feet)	AIR SAM WATER	SOIL SAI RECOVE	GRAPI LOG	DE	ESCRIPTION BY:			D. Pew R	evend	by: 2	ted
				0-		T,		<u>†</u>	CONCRETE to 9" bgs.						
				1	~				SILTY GRAVEL(aggreg	ate ba	ise fill),	Dark brown (7.5YR 3/3),	loose, angular	
				2		-	þSGM-		CONCRETE.	, ury. ate ba	ise fill),	Dark brown (7.5YR 3/3),	loose, angular	
								Q S	pravel to 0.75" diameter	, dry. 2.5/1)), medi	um stiff, low p	lasticity, dry		
48									Change to slightly moist						
	42	-	-0.0	4		X									
		-		5											
				6					<i></i>						
				7					Jhange to mottled color 10YR 3/4), soft to medi	ing, ve um sti	ery dari iff.	k grey (10YR	3/1) and dar	k yellowish bro	nwc
48			0.0	8-	_				<i>.</i>						
	39		0.0			Х			Change to soft, very low	' plasti	icity, m	oist.			
				9											
				10											
				11				F	Roots present from 10.5	5 to 11	feet by	js.			
48	42		-0.0	12				ון	Frace medium-grained	sand p	present	from 10.5 to	11.5 feet bg:	S	
ļ		~		⊻ 13–		\triangle			~						
									Change to medium stiff, ogs.	no sa	ind, sliq	intly moist. R	toots presen	it from 13 to 14	f feet
2				1 14~~	-				Change to very dark gre	wish b	orown (*	10YR 3/2), sti	ff.		
2 <u></u> 				15 ⊈											
2	-42			16					Change to soft, some m CLAY, Mottled very darl	c grey	1-graine (10YR	ed sand, wet. 3/1) and dark	yellowish b	rown (10YR 3/	(4),
24k 24k		~		- 17				S	sun, Iow plasticity, sligh	iy mo	ıst.				
				18											
L BORI						X									
5			0.0	19			-	f E r	Boring terminated at 19 neat cement.	feet.	Boring	filled and sea	led with a g	rout consisting	of
3	1	1	L	20											

								1	CLIENT		SITE	NUMBER		LOCATION	
E		C							PSC - Sara Le	е		Oakland		955 Kenne Oakland, C	dy Street A <u>946</u> 06
Engir	neering	g, Inc.							DRILLING AND SAMPLING METHOD	Har S Cor	nd-auger re Clear	ed to 3 feet bgs. Acetate Liners.	Direct push	h 5410 Geoprobe	with Macro
LOG	OF SO	IL BOF	RING:		E	E1	8			r		T			
	RDINA	TES:							WATER LEVEL	⊈ 1:	2.5	⊻ 9.49		OTADT	EINICH
ELEV			OF CA	ASING) :				TIME	09	935	0954			
					<u> </u>				DATE	9/2	2/06	9/22/06		0925 DATE	DATE
LICE	NSE N	UMBE	R: 777	2007	• 1		·		REFERENCE		S	GS		9/22/06	9/22/06
	HES	:/6" ER	ğ		LE Moi c	PLE ED	0	SL	IRFACE CONDITIONS			Concrete			
RIVEN	ECOV	AMPL		EPTH (eet)	R SAMP	OIL SAM	SRAPH OG	DE	SCRIPTION BY:			D D D 0	entre l'	her It	Nerl
	<u> </u>	 	OR		A	- 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0						D. Pew	Contract	M: 27	- C
				1			ONCRE	TE ^C	ILTY GRAVEL(addred)	ate ba	se fill).	Dark brown (7.5YR 3/3)), loose, angulai	r
						-		g	ravel to 0.75" diameter ILTY CLAY, Black (5Y	, dry. 2.5/1)	, mediu	um stiff, low p	lasticity, tra	ace fine to	
				2				n	nedium-grained sand, d	Iry to s	slightly	moist.			
48				- 3											
	45		0.0	4		X									
				5	-										
				6					hange to mottled color rown (10YR 3/4), very l	ing, ve low pla	ery dari asticity.	k grey (10YR :	3/1) and ve	ery dark yellowi	sh
				7											
48] /""											
	36		0.1	- 8				c	Change to soft to mediu	m stif	, moist	•			
-		-		9- V					LAYEY SILT, Mottled	very d	ark gre	y (10YR 3/1) :	and very d	ark yellowish br	rown
		-		10	-				1011(<i>3/4)</i> , 301 to mea	un su	n, mok				
				11-			ML								
48	ļ			12											
				₽ I				5	SANDY SILT, Dark olive	e brow	n (2.5Y	′ 3/3), soft, fin	e to mediu	um-grained sand	d, wet.
1/08		-		1 13	······		ML								
10		-	0.3	- 14				S n	SILTY CLAY, Dark olive nedium-grained sand r	brow	n (2.5Y	3/3), medium	ı stiff, low j	plasticity, some	fine to
				- 15		X		E	Boring terminated at 15	feet.	Boring	filled and sea	led with a	grout consisting) of
				- 16	$\left \right $		-		igat ugingint.						
JAK BI	ļ			- 17											
-TG 01-				10-			-								
BORIN				10			-								
DF SOR				- 19-											
ğ				20			-								

	1								CLIENT	SIT	TE 1	NUMBER		LOCATION		
E		C							PSC - Sara Le	e		Oakland		955 Ker Oakland	ineo . Ci	dy Street A 94606
Engir LOG	oF SC	g, Inc. IL BOI	RING:		I	Ξ1	9		DRILLING AND SAMPLING METHOD	Hand-au S Core Cie	igen ear A	ed to 3 feet bgs Acetate Liners.	. Direct pus	sh 5410 Geopre	be v	with Macro
coo	RDINA	TES:						-	WATER LEVEL	⊈ 10.75	;	⊻ 13.80				
ELEV	ATION	TOP	OF C/	ASING	Э:				TIME	1418		1507		STAR TIME	<u>.T</u>	FINISH TIME
			SURF	ACE:					DATE	9/15/0	6	9/15/06		140	5	1420 DATE
LICE	NSE N	UMBE	R: 777	2007				l	REFERENCE	GS		GS		9/15/0)6	9/15/06
INC INC	HES OVER	WS / 6" PLER	DING	HT (AMPLE	SAMPLE	VERED PHIC	su	IRFACE CONDITIONS			Concrete				- D
DRI	REC	BLO SAM	REA	(feet	AIRS	SOIL 8	LOG RRA	DE	SCRIPTION BY:			D. Pew P	creved	by: Z	$ rac{1}{2} $	They
				- 0-			- CONCRE	TEC	CONCRETE to 8" bgs.					-		0
				- 1				S 9	ILTY GRAVEL(aggreg ravel to 0.75" diameter	ate base fi , dry.	ill),	Dark brown (7.5YR 3/3), loose, ang	ular	
				2-				s	ILTY CLAY, Black (5Y	2.5/1), me	ediu	ım stiff, low p	lasticity, d	ry.		
48	48			- 3												
		-	0.0	- 4	-	X			Color change to mottled 10YR 3/4).	very dark	gre	ey (10YR 3/1)	and dark	yellowish br	own	
				5												
				- 6	~			C 3	Color change to mottled /4), trace fine to mediu	dark grey m-grained	(10 sar	0YR 4/1) and nd.	dark yello	wish brown	(10Y	R
48	42		-0.3-	- 8-	-			S	ANDY SILT, mottled d	ark grey (1 edium-grai	10Y	R 4/1) and da	ark yellowi	sh brown (1	DYR	3/4),
		-		- 9-	-	X			on, and only, and to m	eurum-grai	mee	a sana, moisi	•			
				10			ML	C	olor change to very da	rk arevish	bro	wn (2.5Y 3/2), fine to c	oarse-oraine	ed sa	and.
				¥ 11						0		,	,,	9		
48				10												
	42-	-		12-				S n	ilLTY CLAY, Very dark noist.	greyish br	rowi	n (2.5Y 3/2),	low plastic	city, stiff, roo	ts pr	esent,
1/06		-		- 13 ■			CL									
			0.0	- 14				c	Change to very stiff.							
ETC.G				- 15		Å		B	oring terminated at 15 eat cement.	feet. Bori	ng f	filled and sea	led with a	grout consis	ting	of
BL.GPJ				16-			_									
31-OAK				- 17	$\left \right $		_									
				- 18	$\left \right $											
SOIL BY	<u> </u>			- 19	$\left \right $											
				- 20	-		_									

									CLIENT		SITE	NUMBER	L	OCATION	
		U							PSC - Sara Lee	e		Oakland		955 Kenne Oakland, C	dy Street A 94606
Engir	neering OF SC	g, Inc. DIL BOI	RING:		E	E2	20		DRILLING AND SAMPLING METHOD	Har S Cor	nd-auger re Clear	ed to 3 feet bgs. Acetate Liners.	. Direct push	5410 Geoprobe	with Macro
000		TEQ							WATER LEVEL			▼ 18.80			
ELEV	ATION	N TOP	OF CA	SING	a :				TIME			1108		START	FINISH TIME
									DATE			9/22/06		1015	1055
LICE	NSE N		R: 777	.nprot '007)				REFERENCE			GS		9/22/06	9/22/06
INC	HES	<u>ب</u> ه ۲	c		u u u		0	sı	JRFACE CONDITIONS			Conorata			·····
SIVEN	COVE	OWS.	ADIN(EPTH et)	SAMPLI TFR SAM	IL SAMPI	APHI COVERE					Concrete	• • •	~~~	No
<u> </u>	E E E	<u>ଜୁଅ</u>	0¥		AIR	SOI SOI	<u> 19</u> 19 19 19 19 19 19 19 19 19 19 19 19 19					D. Pew R	eviated	by: H	They
							ONCRE		CONCRETE to 10" bgs.						0
				1		-	GM		SILTY GRAVEL(aggrega ravel to 0.75" diameter,	ate ba: dry.	se fill),	Dark brown (1	7.5YR 3/3),	loose, angular	
				2					SILTY CLAY, Black (5Y	2.5/1)	, medit	im stiff, low pl	lasticity, dry	to slightly moi	st.
				3					Change to slightly moist.	trace	mediu	m-grained sa	nd.		
48	48	-	0.0	4		57									
		-		E.		X			10YR 3/4), very low plas	ng, ve sticity.	ery oark	grey (10YR)	3/1) and dar	K yellowish bro	own
				6-											
49				7											
+0				8-											
	33		0.0	9		X	ML	s	CLAYEY SILL, Dark olive and, moist.	e brov	vn (2.5) m (2.5)	Y 3/3), soft, tr	ace fine to r	nedium-graine	:d
				10-					noist. SANDY CLAY, Very darl	c arev	(2.5Y)	3/3, soft to m	ie io meaiui iedium stiff	low plasticity	u, fine to
							//CL//	Ċ	coarse-grained subround	led to	subang	gular sand, litt	tle silt, mois	t.	
48	4.5			11			[ML]	5	SANDY SILT, Dark olive	e brow	/n (2.51	′ 3/3), soft, fin	ne to mediur	n-grained sand	d,
	45		-0.0	12		X			noist. CLAY, Mottled dark grey	(10YF	R 4/1) a	and dark yello	wish brown	(10YR 3/4), m	edium
				13					an, nuo on, 10010 piese	ant if Ul		in in lear ngs	a, mulat.		
				14											
				15											
36	36	_					//CL//		Change to dark olive bro	wn (2.	.5Y 3/3).			
			0.0	16		X			Change back to mottled	dark g	grey (10	YR 4/1) and (dark yellowi	sh brown (10Y	R
				17—											
				18											
36	36	-		1 9											
۲ <u>ــــــــــــــــــــــــــــــــــــ</u>		-		20-				e	SANDY CLAY, Mottled d	lark gr	rey (10`	YR 4/1) and v	ery dark yel	lowish brown (10YR
3[l	L	l					1							

Γ										CLIENT	SITE NUMBER	LOCATION
	Engin	leering	g, Inc.							PSC - Sara Lee	Oakland	955 Kennedy Street Oakland, CA 94606
-	INC	HES				u.			L	OG OF SOIL BORING:	L	_1
	DRIVEN	RECOVER	BLOWS / 6 SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE WATER SAMP	SOIL SAMPLE RECOVERED	GRAPHIC LOG			E20	
				0.0			Х	ML	39	8/4), medium stiff, low plasticit SANDY SILT, Light olive brow	y, fine to medium-grained sa n (2.5Y 5/4), soft, fine to coa	nd, very moist. rse-grained subrounded
-					21			╞━╹━┛╺┸╶	t t	o subangular sand, little suba o wet.	ngular to angular gravel to 0.	3" diameter, very moist
					22				E r	Boring terminated at 21 feet. In the section of the	Boring filled and sealed with	a grout consisting of
							-					
					23		-					
-				·	24							
-					25							
-					26							
ľ					27							
					28		-					
					- 20							
					2.5							
┢					30							
					31							
					32							
-					33							
-					34							
-					35							
					20							
					30							
-					37							
	·				38							
90/1												
ş					39							
CGDT					40							
ETIC												
GP.					41	_						
-AK					42		-					
G SL-												
ORIN					43							
SOILE					44							
S OF					45	****						
šĽ					45	1		L	L			

									CLIENT		SITE	NUMBER		LOCATION	
E		U							PSC - Sara Le	е		Oakland		955 Kenne Oakland, C	dy Street A 94606
Engir	neering	g, Inc.							DRILLING AND SAMPLING METHOD	Har S Cor	nd-auger re Clear	red to 3 feet bgs Acetate Liners.	. Direct pus	sh 5410 Geoprobe	with Macro
LOG	OF SC	IL BOI	RING:		E	E2	1			1			·····		1999 - Verson Marine Samana Saman
cool	RDINA	TES:							WATER LEVEL	⊈ 11	.75	x 10.05	y 9.65	STADT	сімісц
ELEV				ASING	Ə :				TIME	07	744	0748	0802		
DRIL					 ר				DATE	9/2	2/06	9/22/06	9/22/0	6 0730	DATE
LICE	NSE N	UMBE	R: 777	2007		- 			REFERENCE	G	SS	GS	GS	9/22/06	9/22/06
INC	HES I HÉ	.9 H	Q		<u>п</u> Мон п		<u>ں</u> ا	1	SURFACE CONDITIONS			Concrete			
RIVEN	ECOV	LOWS	VA EADIN	EPTH eet)	R SAMPI	DIL SAME	RAPH	g	DESCRIPTION BY:					0, -1	Neck
	<u>۳</u>	<u>م م</u>	0«		A		2 O	<u> </u>				D. Pew 片	en nu	x by: O-	
							ÖNC	RÉTI titi		ata ha	oo fiil)	Dorle brown (
				1 1			G	M .	gravel to 0.75" diameter	ate ba , dry. 2 5/1)	se iii), medii	um stiff low n	lasticity t	race medium.ors	ained
				- 2					sand, slightly moist.	±.0/ ()	,		action, a	add modiain git	
				3		-									
48	45		-0.0	4		X									
				5											
									Change to mottled color	ing, ve	ery dari	k grey (10YR	3/1) and d	lark yellowish bro	own
			******	6					(10YR 3/4).						
48				7											
				8											
			0.0	9-					CLAYEY SILT, Mottled 3/4), soft, moist.	very da	ark gre	y (10YR 3/1)	and dark y	ellowish brown ((10YR
		-		¥. ▼ 10-		\triangle									
****									SANDY SILT, Mottled vi 3/4), soft, fine-grained s	ery dai and, lit	rk grey Itle clay	(10YR 3/1) a y, very moist.	nd dark ye	ellowish brown (1	0YR
48				 ☑								-			
	39		-0.1-	12		X			Change to very dark gre	yish b	rown ('	10YR 3/2), we	et.		
				13				L	Change back to mottled	VODUC	tark ar	w (10VP 2/1)	and dark	vollowich brown	
10/11/0		~~~~		- 14					(10YR 3/4), trace clay. Roots present from 13.5	i to 14.	.5 feet	bgs.		yellowish brown	
			0.0	15		X			Daring terminated at 15	fact 1	Destro	Ciled and an	Industite a		- 5
S EIG									neat cement.	ieet. i	Boring	med and sea	ied with a	grout consisting	OI
BLG				1 16											
SL-OA				17—											
ORING				18											
SOIL BC				- 19											
	 			- 20											

								*****	CLIENT		SITE	NUMBER		DCATION	
		16							PSC - Sara Le	е		Oakland		955 Kenne Oakland, C	dy Street A 94606
Engir	neering	g, Inc.			محدر	-	•		DRILLING AND SAMPLING METHOD	Hai S Coi	nd-augei re Clear	red to 3 feet bgs Acetate Liners.	Direct push t	5410 Geoprobe	with Macro
LOG	OF SO	IL BOI	RING:		E	-2	2	1		·		1			
coo	RDINA	TES:							WATER LEVEL	<u>⊽</u> 10).75	▼ 9.30		START	FINISH
ELEV				SING	9:				TIME	16	602	1624		TIME	
DRI			NY: F)				DATE	9/2	1/06	9/21/06		DATE	DATE
LICE	NSE N	UMBE	R: 777	007	, 		r	r	REFERENCE		BS	GS		9/21/06	9/21/06
INC	HES HÉ	: / 6" ER	۵ ۲		LE AMPLE	PLE	₽	SL	JRFACE CONDITIONS			Concrete			
DRIVEN	RECOV	SAMPL	OVA READIN	DEPTH feet)	VATER SI	SOIL SAM	SRAPH OG	DE	ESCRIPTION BY:				1 Recipier	2. IS	Neel
μ	LL 		<u> </u>	0-	A >	R R			CONCRETE			D. Few 10		5	-3-
				1			ο GM GM		SILTY GRAVEL(aggreg	ate ba drv.	ise fill),	Dark brown (7.5YR 3/3),	loose, angular	•
				0					SILTY CLAY, Black (5Y	2.5/1), medi	um stiff, low p	lasticity, trac	e medium-gra	ained
									sand, dry.						
48				3											
	42	-	1.4	4		X									
				5					Change to mottled color	ing, v	ery darl	k grey (10YR	3/1) and dar	k yellowish br	own
				6			CL/	(10YR 3/4).						
				7											
48				8											
	33		0.8			X			Change to soft to mediu	m stif	f, very l	ow plasticity,	slightly mois	st.	
	1			¥ 9											
		,		10			ML		CLAYEY SILT, dark gre	yish b to me	rown (' edium-c	10YR 4/2), sol trained sand i	it to medium	stiff, very low	st.
49	40			¥ 11			SM		SILTY SAND, dark grey coarse-grained subroun	ish br ded s	own (10 and, litt	OYR 4/2), mec le clay, wet.	lium dense,	fine to	
40	40	-	-0.3-	12		X			CLAY WITH SOME SIL	T, Mo	ttled da	ırk greyish bro	wn (10YR 4	/2) and dark	
		-		13)	yellowish brown (10YR :	3/4), s	tiff, low	r plasticity, slig	phtly moist to	o moist.	
11/06				14			CL/								
			0.6			X									
				15				f E r	Boring terminated at 15 neat cement.	feet.	Boring	filled and sea	led with a gr	out consisting	ı of
BLGP			<u> </u>	16-											
L-OAK			ļ 	17											
S SING S			<u> </u>	18											
	<u> </u>			 19											
0 0 C C				20											
3		1	<u> </u>				l								

									CLIENT		SITE	NUMBER		LOC	CATION	
		U							PSC - Sara Le	е		Oakland		99 0	55 Kenneo akland, C	dy Street A 94606
Engin	eering	, Inc.				·~·	^		DRILLING AND SAMPLING METHOD	Har S Cor	rd-auger e Clear	red to 5 feet bgs Acetate Liners.	s. Direct pu	sh Ge	oprobe 5410 v	vith Macro
LOG	OF SO	IL BOF	RING:		Ľ	2	3			[
COOF	RDINA	TES:							WATER LEVEL	⊻ 20	D.5	¥ 14.62	¥ 10.3	5	START	FINISH
	ATION NG BE	LOW S	OF CA SURFA	\SING \CE:	i:				TIME	12	204	1210	122	5	TIME 1145	TIME 1215
DRILL	ING C	OMPA	ANY: E	nprob)				DATE	9/2	2/06	9/22/06	9/22/0		DATE	DATE
			R: 777	007	.			s				GS	GS		9/22/06	9/22/06
EN	OVER	VS / 6" PLER	OING	E	MPLE R SAMPLE	AMPLE	PHIC					Concrete	. (N 0
DRIV	RECO	BLOV	OVA REAL	DEP1 (feet)	AIR SA WATEF	SOIL S RECON	GRAI LOG	Di	ESCRIPTION BY:			D. Pew	lypre	بك لأ	5: IS	Ney
				0			ONCRÉ		CONCRETE.							
	4			1—			°GM GM		SILTY GRAVEL(aggreg gravel to 0.75" diameter	ate ba , dry.	se fill),	Dark brown ((7.5YR 3/	3), lo	ose, angular	
				2					SILTY CLAY, Black (5Y	2.5/1)), medii	um stiff, low p	plasticity,	dry.		
				3					Thango to clightly mois	L						
				4					shange to anginty more							
				5												
40				6-							(40)/17	4 (4)				4)
	33			7				r	noist, roots present.	(grey	(101K	4/1) and dark	(yeilowisi	1 Dfoi	wn (Turk <i>Si</i>	4),
			0.0	8		∇			CLAY, Mottled, dark gre medium stiff, low plastic	ey (10) sity, me	/R 4/1) oist.	and dark yel	lowish bro	own (10YR 3/4),	
				9						aroui	oh hrou	um (0 EV 2/0)	coft fina	to or	areo araino	d
48	48	-		10			ML	5	subangular sand, very r	noist.	511 01 04	vii (2.01 0/2),	, 5011, 1116	10 00	Jaise-graine	u
		-		¥					SANDY CLAY, Very da	rk grey	ish bro	wn (2.5Y 3/2), mediun	n stiff	, low plastici	ity, fine
			-0.0	11					o coarse-grained subai SANDY SILT, Very dar	ngular k grey	sand, i ish bro	noist. wn (2.5Y 3/2) iot), medium	ı stiff,	, fine to	
			-0.0	12		X	ML		oarse-gramed subangi	uai Sa	10, 190	131.				
e 40				13												
2 48 2	45			- 14					CLAY, Mottled dark gre	y (10Y noist	'R 4/1)	and very darl	k yellowis	h bro	wn, medium	ı stiff,
				¥_ 15—					ow plasticity, intite one, i	10131						
				16												
				1 10		X										
чо- 15 36	36		<u> </u>	- 17												
		-		- 18												
				19-					Trace medium to coars	e-grair	ned sub	prounded san	d from 19	to 20	0.5 feet bgs.	
000				20		X		1								

								CLIENT		SITE NUMBER	LOCATION
Engir	neering	g, Inc.						PSC - Sara Lee		Oakland	955 Kennedy Street Oakland, CA 94606
INC	HES	1			щ			LOG OF SOIL BORIN	G:		L
	OVER	VS/6 PLER	DING	H.	SAMP	ERED	2 E			E23	
DRIVI	SEC O	SAMF	OVA READ	DEPT feet)	VATER	LECOV SI	KS				
		,	0.0				CL//	·····		· · · · · · · · · · · · · · · · · · ·	
36	36			21		Í	ML	SANDY SILT, Dark olive br	owr	n (2.5Y 3/3), soft, fine to med	ium-grained sand, wet.
		-					CL	SILTY CLAY, Dark olive br medium-grained sand, moi	own st.	1 (2.5Y 3/3/), stiff, low plastici	iy, little fine to
				22			<i>4444</i> SW***	GRAVELLY SAND, Olive b	row ar c	n (2.5Y 4/3), medium dense,	fine to coarse-grained
			0.0	23		X		Boring terminated at 23 fee	et. E	Boring filled and sealed with a	a grout consisting of
				24				neat cement.			

				25							
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	26-							

				27							
			····	28							
				20		Η					
				29							
				30							
				31							
				32							
 				33							
				34-							
				35							
				36							
				37		$\left - \right $					
						Η					
g				30{		П					
2				39—							
				40-							
ц ц						Ц					
				41							
¥				42							
- 10 v											
				43							
<u></u>				44							
10											
3				45							

										CLIENT		SITE	NUMBER	LC	CATION	
		U								PSC - Sara Le	e		Oakland)55 Kenne Dakland, C	dy Street A 94606
Engir	neering	y, Inc.				-~				DRILLING AND SAMPLING METHOD	Hai S Coi	nd-auger re Clear	red to 3 feet bgs Acetate Liners.	. Direct push 5	410 Geoprobe	with Macro
LOG	OF SC	IL BOI	RING:		E	:2	4						I	T		
coo	RDINA	TES:								WATER LEVEL	<u></u> ⊈ 1:	2.0	▼ 9.55		START	FINISH
				ASINO	3:					TIME	30	336	0842		TIME 0820	TIME
DRIL		COMPA	ANY: E	Enprol	 ว					DATE	9/2	2/06	9/22/06		DATE	DATE
LICE	NSE N	UMBE	R: 777	, 7007			1			REFERENCE	0	<u> SS</u>	GS	<u> </u>	9/22/06	9/22/06
	HES ∰ ≥	(S / 6" LER	DNI	L I	IPLE SAMPLE	MPLE		י ב	SU	JRFACE CONDITIONS			Concrete			
DRIVE	RECO	BLOW	OVA READ	DEPT (feet)	AIR SAN	SOIL SA RECOVE			Di	ESCRIPTION BY:			D. Pew	eviend	by: F	Steel
				- 0-			9	4 19 (1	C	CONCRETE.						0
				- 1-			ON L	CRE	TE 			(7.6.)				
				2-			0	GM .		siLTY GRAVEL(aggreg pravel to 0.75" diameter SILTY CLAY, Black (5Y	ate ba , dry. 2.5/1	ise till),). medil	um stiff. low r	asticity, dry.	oose, angular	
				3-			V				20.07	,, moun				
48	42		1						c	Change to slightly mois						
	42	-	-0.1-	-		Х										
	-	-		- 5	~					Change to mottled colo	ina. ve	erv darl	k arev (10Y 3	/1) and dark v	vellowish brov	vn
				- 6					(10YR 3/4), moist.				.,	,	
18				- 7	-											
				- 8				<u>III</u>			unnid	ork are		and dark vali	awich brown	
	33		0.2	- 9		X			3	B/4), soft to medium stil	f, little	fine-gr	ained sand, v	ery moist.	owish brown	(101K
				▼ - 10				M								
									0	Change to soft.						
48							_									
	36			- ¥ 12-	-					SANDY SILT, Dark oliv	e brow	/n (2.5Y	′ 3/3), soft, m	edium-graine	ed sand, wet.	
£		-		- 13				ML								
10/1				- 14						NI TV SAND Dode aliv		m (0 E)	(2/2) modius	m danaa fina	to 000000 000	sinced
			0.4	- 15		X		SM	E E	SILTY SAND, Dark oliv subrounded sand, wet. Boring terminated at 15	e prow feet.	n (2.51 Borina	filled and sea	n dense, nne aled with a gr	out consisting	of
				- 16		-			r	neat cement.		Ģ		5		
RE-C				47			-									
70-TS				1 /-]									
	-			- 18			-									
F SOIL 1				- 19-												
		<u> </u>		20-			-									

Γ		i i i i i i i i i i i i i i i i i i i					****				CLIENT	s	SITE	NUMBER	L	OCATION	
	C		C	L							PSC - Sara Le	e		Oakland	-	955 Kenne Oakland, C	dy Street A 94606
E	ngin. .0G (eering OF SC	g, Inc. IL BOI	RING:		E	E2	25	;)		DRILLING AND SAMPLING METHOD	Hand- S Core C	auger Clear	ed to 3 feet bgs Acetate Liners.	. Direct push	5410 Geoprobe	with Macro
		RDINA	TES:								WATER LEVEL	<u></u> ⊈ 11.(0	⊻ 9.81			
E	ELEV	ATION	TOP	OF CA	ASING	3:					TIME	081	4	0912		TIME	FINISH TIME
			COMP	SURF/	ACE:	<u> </u>					DATE	9/13/	06	9/13/06		0800	0820
L		ISE N	UMBE	R: 777	2007	, 1-1-					REFERENCE	GS	\$	GS		9/13/06	9/13/06
		OVER OVER	WS / 6" PLER	DING	T	MPLE 0 cando c	AMPLE	VERED	PHIC	SL	IRFACE CONDITIONS			Concrete			
	DRIV	REC	BLO	REAL	(feet)	AIR SA	SOILS	RECO	A CO A CO A CO A CO A CO A CO A CO A CO	DE	SCRIPTION BY:			D. Pew	Cerview ed	by: I) Mark
					- 0	-				TEC	ONCRETE. ILTY GRAVEL(aggreg: ravel to 0.75" diameter	ate base , dry.	fill),	Dark brown (7.5YR 3/3),	loose, angular	
											ILTY CLAY, Black (5Y	2.5/1), n	nediı	ım stiff, low p	lasticity, dry	/.	
	48										ncludes little fine sand f	irom 3.5	to 8.	5 feet bgs.			
																14	
			••		6					C 3	olor change to mottled /4).	dark gre	əy (1()YR 4/1) and	dark yellow	ish brown (10ኑ	′R
	48	,,			7	-											
					8					C	AVEY SILT Mottled	tark arev	a (10)	VR 4/1) and c	łark vellowi	sh brown (10V)	P 3(4)
			-		9- •					S	off to medium stiff, very	/ low plas	sticit	y, moist.	Bark yenows	an brown (1011	(0,4),
			-		10 ↓ 11		\mathbb{X}		ML	с	olor change to dark gre	ey (10YR	R 4/1)).			
	48				12							.					
		36	_		13-				R.đI	5	ILT WITH SOME SAN	D, dark g	grey ((1UYR 4/1), Vi	ery soft, fine	e-grained sand	, wet.
10/11/06					14												
				0.1	15		X		SM	S W	ILTY SAND, dark grey ret.	(10YR 4	/1), r	medium dens	e, fine to m	edium-grained,	, sand,
BL.GPJ EI					16—					n	eat cement.	ieet. Bo	ring	mied and sea	ied with a g	rout consisting	of
SI-OAK E					17			-									
SORING (18-												
OF SOR E					19—												
Ľ	20 20																

Γ		ر سری							~~~~	CLIENT		SITE	NUMBER	L(OCATION	
•			U							PSC - Sara Le	е		Oakland		955 Kenneo Oakland, C	dy Street A 94606
I	Engin	eering	g, Inc.							DRILLING AND SAMPLING METHOD	Har S Cor	nd-auger re Clear	ed to 4 feet bg Acetate Liners.	s. Direct push (Geoprobe 5410 v	vith Macro
	LOG	OF SO	IL BOI	RING:		E	2	6				······				
	COOF	RDINA	TES:							WATER LEVEL	<u>v</u> 10	6.0	⊻ 9.77			
	ELEV	ATION	I TOP	OF CA	ASING) :				TIME	14	104	1415		TIME	FINISH TIME
(LOW		ACE:					DATE	9/2	1/06	9/21/06		1345	1425
		ING U ISE N		AN Y : E R: 777	nproi '007)				REFERENCE	6	es	GS		9/21/06	9/21/06
	INC	HES L	۲e [*]	(5)		u id	Jul -		SI	JRFACE CONDITIONS	J					
	VEN	COVE	/ SWC		DTH DTH	SAMPLE FR SAM	SAMPL OVERFI	APHIC					Concrete			
-	DR	Å.	SAI	Sh		AIR	SOIL	<u> </u>		ESCRIPTION BY:			D. Pew	leviewed	by: A	Ney
					0	1		ÓŊĊŔĚ	je	CONCRETE.						0
-					1			GM GM		SILTY GRAVEL(aggreg gravel to 0.75" diameter	ate ba , dry.	se fill),	Dark brown	(7.5YR 3/3),	loose, angular	
					2	_				SILTY CLAY, Black (5Y	2.5/1)) mediu	m stiff, low p	lasticity, dry.		
	48	45			J					Change to moist.						
-				0.0	4		X									
L					5-					Change to mottled color	ing, ve	ery darl	grey (10YR	3/1) and dar	k yellowish bro	own
-					6				(10YR 3/4), slightly mois	st.					
	1															
-	48				- 7											
-					- 8	-										
-					- 9-											
			_		⊻ 10	-			4	SANDY SILT, Very dark	grey	(10YR	3/1), soft, fin	e-grained sar	nd, little clay, v	very
			-	1.8			X			noist, moderate odor.						
-	48			-5.6-	11		Ĥ_	- ML								
-					12-			-								
-				-3.8	13				- (f	CLAYEY SILT, very dar Ine-grained sand, very	k grey moist.	(10YR	3/1), soft, ve	ery low plasti	city, little	
/11/06			-		14		\triangle	IVIL		•						
10			-	-	14			GW T		SANDY GRAVEL, Very to 0.75" diameter, little s	dark (silt, ve	grey (10 ry mois)YR 3/1), me t.	dium dense,	subrounded g	ravel
ETIC.G	48			-0.0	15-			SM4		SILTY SAND, Very dark coarse-grained subroun	ded s	sh brov and, ve	vn (10YR 3/2 ry moist to w	!), loose to m et.	edium dense,	tine to
GPJ					<u> </u>											
AK BI		36	-		- 17	-				SANDY SILT, Olive bro	wn (2.	5Y 4/3)	, soft, fine-gr	ained sand, v	wet.	
S SL-C			-	******				ML								
30RIN(1 18			• ĜW.		SANDY GRAVEL, Very subrounded gravel to 0.	dark g 75" dia	greyish ameter	brown (10YF little silt, we	R 3/2), mediu t.	m dense,	
SOILE				0.5	- 19	$\left \right $	Å			Boring terminated at 19	feet.	Boring	filled and sea	aled with a gr	rout consisting	of
10 90		 		 	- 20	$\left \right $		_		igat ognient.						
~~ I ~						بسطيسية م										

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										CLIENT		SITE	NUMBER	[L	OCATION	
E		U			•					PSC - Sara Le	е		Oakland		955 Kenned Oakland, C	dy Street A 94606
Engir	neering	g, Inc.								DRILLING AND SAMPLING METHOD	Har S Cor	nd-auger e Clear .	red to 3 feet bgs. Acetate Liners.	. Direct push	5410 Geoprobe	with Macro
LOG	OF SC	IL BOI	RING:		E	Ξ2	7				r					
000	RDINA	TES:								WATER LEVEL	⊈ 10	D.5	¥ 9.65			MAROLI
ELEV		TOP	OF CA	SING) :					TIME	08	354	1004			TIME
				ACE:	<u> </u>					DATE	9/1	3/06	9/13/06		0830	DATE
LICE	NSE N	UMBE	R: 777	.nproi '007	<i>,</i>					REFERENCE	6	S	GS		9/13/06	9/13/06
INC	HES	۳۵/6 ۲۲	<u>ں</u>		ADI F			<u>o</u>	SL	JRFACE CONDITIONS			Concrete			
RIVEN	ECOV	LOWS		EPTH eet)	R SAMPI	OIL SAME		NGG OG	DE	ESCRIPTION BY:			Q		h -1	Nool
	<u> </u>	е s			A	। । ।	2	ত 🗆 হার্ডায়		CONCRETE to 10 th box			D. Pew	W/encer	الع: حب	- J
				1			ÖN A	iCRE ትርጉ	ΤE		ato ha	eo fill)	Dark brown (7 5VR 3/3)	loose angular	
							6	6M~	9	gravel to 0.75" diameter	, dry.	se m/,	Dark brown (r.5 m 5/5).	, ioose, angulai	
				2-		-			S	SILTY CLAY, Black (5Y	2.5/1)	, mediı	um stiff, low p	lasticity, dr	у.	
48				3												
	42			4	-											
		-	-0.0	5		X		,CL		Color change to mottled 10YR 3/4).	very o	dark gre	ey (10YR 3/1)	and dark y	ellowish brown	
				6-	-											
				7						Change to moist, with li	tle fine	e to me	dium-grained	sand.		
48							V									
	36		0.0	8					í (s	CLAYEY SILT, Mottled soft, very low plasticity,	dark g moist.	rey (10	YR 4/1) and c	iark yellowi	sh brown (10Yf	२ ३/4),
		-		9-		\wedge										
		-		10				ML.								
				11					0	Change to very soft, we	t.					
48				12												
			0.2	12					- 5	SILT, Dark grey (10YR	4/1), vi	ery soft	t, some fine-g	rained sand	d and trace	
1/06		-	0.2			Х		ML	5	subrounded to subangu	iar gra	vei to 1	i diameter, w	el.		
	1			14	-			SM	5	SILTY SAND, Dark grey	/ (10YI	R 4/1),	medium dens	se, fine to c	oarse-grained	
			-0.0-	15		Å		CLZZ		subangular sand, wet. SILTY CLAY, Mottled ve 3/4) medium stiff low n	ery dar	k grey	(10YR 3/1) ar	nd dark yell	owish brown (1	0YR
				16			-		E	Boring terminated at 15 neat cement.	feet.	Boring	filled and sea	led with a g	prout consisting	of
09K				17												
NG SL				18												
L BORI							-									
05 SO				1 19-	1]		*****							
<u>8</u>	<u> </u>	<u> </u>	l	20			-									

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			1						CLIENT		SITE	NUMBER	LC	OCATION	
E		U							PSC - Sara Le	e		Oakland		955 Kenne Dakland, C	dy Street A 94606
Engir	neering	g, Inc.							DRILLING AND SAMPLING METHOD	Har S Cor	nd-auge e Clear	red to 3 feet bgs Acetate Liners.	5. Direct push 5	6410 Geoprobe	with Macro
LOG	OF SC	IL BO	RING:		ł	Ξ2	.8						T		
coo	RDINA	TES:							WATER LEVEL	⊻ 13	3.5	¥ 9.65			
ELE\	ATION	I TOP	OF C/	ASING	3:				TIME	12	20	1245		START TIME	FINISH TIME
CASI	ING BE	LOW	SURF	ACE:					DATE	9/1	1/06	9/11/06		1200	1240
	LING (NSE N		4NY: E R: 777	nprot 2007	2				REFERENCE	G	S	GS		9/11/06	9/11/06
INC	HES	50 m		T		J		su	JRFACE CONDITIONS	1		L	1	.l	
EN	OVEF	WS / (DING	H H	AMPLE	SAMPLE	DHIC .					Concrete		•	
DRIV	REC	BLO	REA	DEP (feet	AIR S	SOIL (LOG RA	DE	ESCRIPTION BY:			D. Pew	Kernerk	by: L	s Ner
				- 0					CONCRETE to 10" bgs.	•				•	9
			<u> </u>	- 1					SILTY GRAVEL(aggreg	ate ba	se fill),	Dark brown (7.5YR 3/3), I	oose, angular	
									ravel to 0.75" diameter SANDY SILT, Very dark	r, dry. k greyis	sh brov	vn (2.5Y 3/2),	soft, fine to	coarse-graine	đ
				1 2-				a	ingular sand, dry.					-	
				3		-	-								
48				4											
	36	-				X									
		-	-0.0	5											
	+			- 6			ML								
			0 0	7											
48			0.0	'			-								
				- 8			-								
				- 9											
	24	-		.				c	Change to dark grey (2.	5Y 4/1)), sligh	tly moist, dec	reasing amo	unt of	
	1	-	0.0	10		X		C	oarse-grained sand.						
		-	-0.0-	11				s	SILTY CLAY, Black (10)	YR 2/1), soft,	low plasticity	, slightly moi	st.	
48				12											
								s	ANDY SILT. Dark arev	/ (2.5Y	4/1), s	soft, fine to me	edium-araine	d sand slight	lv
g		-		- 13 ☑			GW	n S	noist. SANDY GRAVEL, Dark	arevis	h brow	n (2.5Y 4/2).	loose to med	ium dense, fu	ne to
10/1/0				14-			SP	С 1	oarse-grained, rounded " diameter, moist.	d to sut	bround	led sand, sub	rounded to si	ubangular gra	vel to
GDT				15		X		S	SAND, Very dark grey (2.5Y 3/	'1), loo	se, fine-grain	ed sand, wet	, moderate oc	lor.
			0.0	1 15-			-	p	lasticity, moist.	fact [n DiOW	filled and see	son to mediu	im suit, iow	- 6
G9	-	·····		16	$\left \right $			n	eat cement.	ieet. c	soning	illeo ano sea	ied with a gro	out consisting	or
AK B	ļ			17			-								
SL-C															
SORING	1			18			-								
SOIL B				19			-								
				20											

									CLIENT		SITE	NUMBER	1	LOCATION	
		U						:	PSC - Sara Le	е		Oakland		955 Kenned Oakland, C	dy Street A 94606
Engir	neering	g, Inc.							DRILLING AND SAMPLING METHOD	Har S Cor	nd-auger re Clear	ed to 4 feet bgs. Acetate Liners.	Direct pust	h Geoprobe 5410 v	vith Macro
LOG	OF SO	IL BOF	RING:		E	E 2	9								
	RDINA	TES:							WATER LEVEL	⊽ 1(0.0	⊻ 9.50			
ELEV	ATION	TOP	OF CA	SING	9:				TIME	15	500	1530		TIME	
CASI	NG BE	LOW	SURFA	ACE:					DATE	9/2	1/06	9/21/06		1445	1515
	LING C NSF N	COMPA	NY: E R: 777	nproł 007)				REFERENCE	6	3S	GS		DATE 9/21/06	9/21/06
INC	HES	 مو			11 IL			SI	URFACE CONDITIONS	L			I	,,,,,,, , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1
VEN	COVEF	APLEF	ADING	отн С	SAMPLE FR SAM	SAMPLE	APHIC				·	Concrete		A	
	L L L L L L L L L L L L L L L L L L L	BLC	S М	UEI (fee	AIR	SOIL	89	D	ESCRIPTION BY:			D. Pew	Lenerie	d by: I	5 they
				0			ONCRE	TE	CONCRETE to 8"bgs.						\bigcirc
				1					SAND, Dark yellowish b odor, moist.	rown ((10YR 3	3/4), loose, fin	e-grained,	, poorly graded,	strong
				2	-		SP	-							
				2											
			01.1						SILTY CLAY, Black (5Y	2.5/1), medi	um stiff, low p	lasticity, dı	ry, strong odor.	
48	48			4		X									
		-		5-					Change to mottled, very	dark	grey (1	0YR 3/1) and	dark yellov	wish brown (10)	′R
		-		6-					3/4), meaium stiff, mois	ι.					
				7			CL/				/max == 1 / 1				
						X			Change to very dark gre	y (10`	YR 3/1)	, very low pla	sticity, very	y moist.	
48	-		—104—	8											
				9-											
	30	-		₹ 10-	_				SILTY SAND. Verv dark	arev	(10YR	3/1). medium	dense, fin	e to medium-ar	ained
		-		11-					sand, little gravel to 0.3	', wet.	(,,	,		
						X		1	Roots present from 11.	5 to 12	? feet b	gs.			
48	1		8.4	12-			SM	-							
	26			13-	-				Change to fine to coars	e-oraiı	ned sar	nd, loose to m	edium den	ise.	
11/1/06		-		14		X									
COL	-			15-		β	ML		CLAYEY SILT, Dark gro fine-grained sand, wet,	eyish t faint o	orown (dor.	10YR 4/2), so	rt, very low	v plasticity, little	
						X			SILTY CLAY, Mottled v 3/4), medium stiff, low r	ery da astici	rk grey ity, moi	(10YR 3/1) ai st.	nd dark ye	llowish brown (1	0YR
BI C	1		0.4	16					Boring terminated at 16 neat cement.	feet.	Boring	filled and sea	lled with a	grout consisting	of
T-OAK	<u>.</u>			- 17	-		-								
SING S				- 18			-								
				10											
OF SO				10			-								
g	1	1	<u> </u>	20-	11		-								

Г	_			•			·			CLIENT		SITE			ΟΓΑΤΙΟΝ	eksterns das het den slikten das het den staar den seksen de soort de soort de soort de soort de soort de soort
		T	IC.							PSC - Sara Le	e	ULL.	Oaklan	4	955 Kenne	dv Street
	Engin														Oakland, C	A 94606
	Ligin	Conne	<i>,</i> пс.			1				SAMPLING METHOD	s	Core Clear	Acetate Liners	js. Direct pusn i.	5410 Geoprope	with Macro
	LOG	OF SO	IL BOI	RING:			EJ	50		·····	т		1	·····		
	COOF	RDINA	TES:							WATER LEVEL	Ţ	12	x 11.2			
	ELEV	ATION	I TOP	OF C#	ASING	G:				TIME	Γ	1018	1030		START TIME	FINISH TIME
	CASI	NG BE	LOW	SURF	ACE:					DATE	†	9/11/06	9/11/06		0900	1030
				λΝΥ: Ε D: 777	Enprol	b				REFERENCE	-	GS	GS		- DATE 9/11/06	DATE 9/11/06
-	INCH	HES		R. ///		Π	шП		SL	JRFACE CONDITIONS	<u> </u>				0.11100	
	EN	OVER	VS / 6' PLER	DING	L I	MPLE	AMPLE	의 문					Concrete			
	DRIV	RECO	BLOV	OVA REAC	DEPT (feet)	AIR SA	WATER SOIL S/	LOG RAF	DE	ESCRIPTION BY:	••••••	4 dana 4 manuar dan <u>-</u>	D. Pew	Zenewec	lbn:J	5 Teel
					- 0			e 8 4 e	C	ONCRETE to 14" bgs.						<u> </u>
-					1-				ŤΕ	-						
								p GMJ] S	ILTY GRAVEL(aggreg ravel to 0.75" diameter	at ', c	e base fill), Iry.	Dark brown	(7.5YR 3/3),	loose, angular	
					1 2-				S	SILTY CLAY, Black (5Y	2	.5/1), mediı	um stiff to st	iff, very low p	lasticity, dry.	
-				-0.0	3-											
	40				4					banne to very dark are	wi	eh brown (?	25V 3(2) ec	off to modium	otiff	
		36	-	0.0	E.					change to wortled very	d:	ark grev (10	YR 3/1) and	t dark vellowis	sh brown (10Y	R 3/4)
												,,,, g,oj (10	in the off off office	, aan yononn		
-					6-											
F				0.0	7-											
-	48	48	-	0.0	8											
					_		X		s	ANDY SILT, Dark olive	ət	brown (2.5Y	′ 3/3), soft, r	nedium-grain	ed, angular sa	nd,
-					1 9-		****	ML		ttle clay, moist.						
-					10~		****		C s	LAY, Olive brown (2.5` and, moist.	Y.	4/3), soft, lo	ow plasticity	, trace mediur	n-grained, ang	jular
_				-0.0	⊻ 11–											
	48	48	-													
			-	0.0			Х	CL/								
90					- 13	-										
11/11					14					nange to medium stiff,	S	lightly mois	t,			
C.GDT				0.1-	15		X			foring terminated at 15	f	of Dorine	filled and co	alad with a	nut panalation	of
U ETK								-	n	eat cement.	16	er ponng	inieu anu se	aleu with a gr	out consisting	UI .
BLGF					16			-								
L-OAK					17			-								
SING S					18			-								
IL BOF					10-	_										
OF SC					1											
g		L			20-			-	ļ	*****						

		رمي								CLIENT	t	SITE	NUMBER	LC	OCATION	
			U			÷,				PSC - Sara Le	е		Oakland		955 Kenned <u>Oakl</u> and, C	dy Street A 94606
E	ngin	eering	g, Inc.							DRILLING AND	Har S Cor	nd-auger e Clear	red to 5 feet bgs. Acetate Liners.	Direct push (Geoprobe 5410 v	vith Macro
L	OG (OF SC	IL BOI	RING:		E	E3	1					7		····	
C	COOF	RDINA	TES:							WATER LEVEL	⊈ 12	.25	¥ 9.63		OTADT	CINICU
E			I TOP	OF CA	SING	3 :				TIME	15	532	1615		TIME	
						<u> </u>				DATE	9/1	1/06	9/11/06		1510 DATE	1600 DATE
		NSE N		R: 777	pio. '007	,				REFERENCE	Ģ	S	GS		9/11/06	9/11/06
	INC	HES	/ 6" ER	U		E Mpi F	D B D	U	SL	JRFACE CONDITIONS			Concrete			
	RIVEN	ECOVI	AMPLE	VA EADIN	EPTH set)	R SAMPL	OUERS	RAPHI	DE	ESCRIPTION BY:				• • • •	-111	$\overline{\langle \cdot \rangle \rangle}$
		ſĽ	て の 団	OR		A	S S S	03					D. Pew Na	viewed b	y'd'	<u>~</u> }
							C	ONCRE	I C TE	JONCRETE.						
					1 1					GRAVEL(fill), Subround	ed pea	a-grave	I to 0.4" diam	eter, very loo	ose, dry.	
					2			00	1	NOR						
					3					SILTY CLAY, Black (5Y	2.5/1)	, mediı	um stiff to stiff	, very low pl	asticity, dry.	
					4		-									
					- 5											
	48				6						(=)(5			
		36	-	4.5	-		X		5	sandy Silli, Olive grey subangular to angular s	/ (5Y 2 and, d	1/2), so ry.	n to medium	stiff, fine to c	oarse-grained	I,
			-													
					8			ML								
	48			-1.1-	9-	7			0	Change to moist.						
					10	-										
		36 		0.0	11	T	X		8	SILTY CLAY, Very dark	grey (10YR 3	3/1), medium	stiff, very lov	v plasticity, dry	<i>į</i> .
			-	,	- 					Change to mottled very light odor.	dark g	rey (10)YR 3/1) and o	dark yellowis	h brown (10Y	R 3/4),
L				66.2	× 12					SAND, Very dark grey (5Y 3/1), fine l	to medium-gra	ained sand, l	oose, wet, stro	ong
1/06	36			-00,2-] 13			.sw.	•							
		30	-		- 14				•							
ETIC.G			-	-0.0	15		Δ		r s	SILTY CLAY, Very dark noist, slight odor.	greyis	sh brow	n (2.5Y 3/2),	medium stiff	, low plasticity	,
L.GPJ					16		Х									
	48				17-			V/CL//								
NG SL					18											
L BOR		_			40											
OF SQ		6			1 19	T		-	T E r	Boring terminated at 19 neat cement.	feet.	Boring	filled and sea	led with a gr	out consisting	of
양는				<u> </u>	20			1								

										CLIENT	SI	ŤΕ	NUMBER		LOC	CATION	
E		U								PSC - Sara Le	e		Oakland		95 O	55 Kenned akland, C	dy Street A 94606
Engir	neering OF SC	g, Inc. IL BOI	RING:			E(32	2		DRILLING AND SAMPLING METHOD	Hand-au S Core Cle	iger ear /	ed to 3 feet bgs Acetate Liners.	. Direct pus	h 54'	10 Geoprobe N	with Macro
000	RDINA	TES								WATER LEVEL	⊈ 10.75	;	y 9.43			******	****
ELEV	ATION	TOP	OF C/	ASING	3:					TIME	0936		1006			START TIME	FINISH TIME
DRI		LOW S	SURF.	ACE:	 ר					DATE	9/13/0	6	9/13/06		-	0920	0940
LICE	NSE N	UMBE	R: 777	7007	, ,,,,,		·T·T·			REFERENCE	GS		GS			9/13/06	9/13/06
INC	HES	/S / 6" LER	UC N	 r	PLE	SAMPLE MPLE	RED	0 H	SU	IRFACE CONDITIONS			Concrete				
DRIVE	RECO	BLOW SAMF	OVA READ	DEPT (feet)	AIR SAM	WATER SOIL SA	RECOVI	GRAP	DE	SCRIPTION BY:			D. Pew 🏌	Leviewa (t	y: 2	5 Yees
				- 0	-			NCRE		CONCRETE to 10" bgs.							\bigcirc
				1	-			Ψ(I) IGM_	s	ILTY GRAVEL(aggregi	ate base fi	ill),	Dark brown (7.5YR 3/3), loc	ose, angular	
				- 2	-			Ĭ	s	ILTY CLAY, Black (5Y	2.5/1), stil	ff, k	ow plasticity,	dry.			
				- 3	7												
48	-42		0.0	4					C	hange to mottled very	dark grey	(10 odo	YR 3/1) and o	dark yellow	vish	brown (10Yi	R 3/4),
		-		5	_	X											
48				- 7													
			0.0	8				<u> </u>			D ##+##++#					44 - 1 - 1	
	30	~		9		Å) (1 	10YR 3/4), soft, fine-gra	ained sand	i, ve	ery moist.	(4/1) and	oark	k yellowish d	rown
	· ·····	-		10													
				⊈ 11					c	hange to wet.							
48				12													
			0.0	13		X			s	ILTY SAND, Dark grey	ish brown	(2.	5Y 4/2), loose	e, fine-grai	ned	sand, wet.	
0/11/06				14	+			SM									
100		-		15		X		SM	c s	hange to increasing gr ILTY SAND, Dark grey	ain size to ish brown	co (2.	arse-grained 5Y 4/2), loose	sand. a, fine to c	oars	e-grained sa	and,
				- 15				- 41m -1m -	B	ttle subangular gravel to oring terminated at 15	o 1" diame feet. Borii	eter ng f	, wet. filled and seal	led with a	grou	it consisting	of
BL.GF				16					""	cai vennent.							
SL-OAF				17			Н										
DRING				18	~												
				19		*****											
090				20			H							****			

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									CLIENT		SITE	NUMBER		OCATION	
		U							PSC - Sara Le	e		Oakland		955 Kenned Oakland, C	dy Street A 94606
Engi LOG	neering OF SC	g, Inc. PIL BOI	ring:		E	E3	3		DRILLING AND SAMPLING METHOD	Har S Cor	nd-auger re Clear	red to 3 feet bgs Acetate Liners.	s. Direct push	5410 Geoprobe N	with Macro
	RDINA	TES:							WATER LEVEL	¥ ´	11	¥ 10.02			
ELE					3 :				TIME	16	338	1702			
DRI		COMP	ANY: E						DATE	9/1	1/06	9/11/06		DATE	DATE
LICE	ENSE N	UMBE	R: 777	2007		1 1	1	1 -	REFERENCE	0	BS	GS		9/11/06	9/11/06
	CHES	/S / 6" 'LER	0N	_	APLE SAMPLE	MPLE	HIC	SU	JRFACE CONDITIONS			Concrete			
DRIVE	RECC	BLOW	OVA READ	DEPT (feet)	AIR SAM	SOIL SA	GRAP	DI	ESCRIPTION BY:			D. Pew 🏼	Environd	by: I) Nech
				0			ONCRE		CONCRETE to 10" bgs.					-	0
				1			SP		SAND, mottled light oliv cose, fine-grained sand	e brov , sligh	vn (2.5` tly moi:	Y 5/4) and da st.	rk bluish gre	ey (GLEY2 10B	4/1),
				2-	-			r	SILTY CLAY, Black (5Y noist.	2.5/1)), soft te	o medium stif	ff, very low p	plasticity, slightl	ly
				3											
48	48		3.2	- 4											
		-		- 5		X									
		_		6			CL		Change to very dark gre	y (5Y	3/1).				
*****				7											
			8.7	8-		X									
				9											
				₹ 10-	-	~				1 0/41		off wat little	finn mained	laand	
	21	······································	1	-	-				Si⊑T, very dark grey (5	тан),	very s	on, wet, nue	ime-grained	i sano.	
			9.0	12	-	X									
48				- 13											
0/11/06				- 14											
CGDT 1		<u> </u>		15			LLL SM		SILTY SAND, Dark yelk	owish	brown ((10YR 3/4), k	oose, fine-gr	ained sand, we	et.
		-		- 16		X	ML ZZCLZ		SANDY SILT, Dark yello noist.	owish	brown ((10YR 3/4), s	oft, fine-grai	ined sand, trace	e clay,
AK BL.C				- 17				r F	nedium stiff, low plastic Boring terminated at 16	ity, dr feet.	y. Boring	filled and sea	enowish bro	wn (1011K 4/6), prout consisting	of
0-75 9				- 19			_	r	neat cement.						
IL BORIN				10			-								
S OF SO				19-											
ğ		1	<u> </u>	20-	1		1								

								*****	CLIENT		SITE	NUMBER	LC	CATION	
		U			. •				PSC - Sara Le	e		Oakland)55 Kenne Dakland, C	dy Street A 94606
LOG	OF SC	g, Inc. NL BOI	RING:		E	E34	4		DRILLING AND SAMPLING METHOD	Har S Cor	nd-auger e Clear /	ed to 3 feet bgs Acetate Liners.	. Direct push 5	410 Geoprobe	with Macro
coo	RDINA	TES:							WATER LEVEL	⊻ 2 2	.75				
ELEV	ATION	1 TOP	OF CA	SING	: :				TIME	15	550			START TIME	FINISH TIME
		LOW		ACE:					DATE	9/1	3/06				1600
LICE	NSE N		R: 777	007	,				REFERENCE	Ģ	S			9/13/06	9/13/06
INC	HES	.er R	U		E MPLE	٩Ľ	0	SL	JRFACE CONDITIONS			Concrete			************
RIVEN	ECOVI	LOWS	VA EADIN	EPTH set)	R SAMPL ATER SA	IL SAMP COVERE	RAPHI	DE	SCRIPTION BY:				<u> </u>	01.7	a. A. s
	<u></u>	国の	Ôữ	<u>گھ</u>	₩/ M/	S R S	54				T. I	ob / D. Pew	Reviewe	ط هي ح	
				Ŭ		CC	DNCRÉ	TE	ONCRETE to 10" bgs.						
				1				i S	SILTY CLAY, Black (5Y	2.5/1)	, mediu	im stiff, low p	lasticity, dry.		
				2											
				3											
48	45		-0.0	4		∇			Change to mottled dark	arev (10YR 4	(1) and dark y	vellowish bro	wn (10YR 4/6	3
				5				tı	race medium-grained s	and, tr	ace sut	bangular grav	el to 0.2" dia	meter.	71
				_											
				0											
48				7											
	39		-0.0	8		X	SM	S S	GILTY SAND, dark yello ome subangular gravel	wish b to 0.5	rown (1 " diame	10YR 4/6), loc eter, dry.	ose, fine to co	parse-grained	sand,
				9				c	LAYEY SILT, Brown (0YR 4	1/3), sot	ft, very low pla	asticity, sligh	tly moist to m	oist.
				10				s	SILTY CLAY, Very dark	grey (1	10YR 3/	1), medium s	tiff, low plast	icity, trace	
				11				n	nedium-grained sand, c	ry.					i
48				,,				с	Change to mottled dark	grey (10YR 4	/1) and dark y	/ellowish bro	wn (10YR 4/6	i),
	42		0.0	12		X		s	light odor at 11.75 feet	bgs.					-
		-		13											
				14											
	ļ			15											
48				16											
	21			17				c	CLAYEY SILT, Mottled	lark gi	rey (10)	(R 4/1) and d	lark yellowish	ı brown (10Ył	R 4/6),
	<u> </u>		0.0	18					ilLTY CLAY, Mottled da edium stiff, low plastic	asticity irk gre tv. dn	y, siight y (10YF /.	ry moist. R 4/1) and da	rk yellowish I	orown (10YR	4/6),
<u> </u>				19—		X				- , , u, y	•				
30 	36			20											
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								(CLIENT	SITE NUMBER	LOCATION
Engin		g, Inc.							PSC - Sara Lee	Oakland	955 Kennedy Street Oakland, CA 94606
INCI	HES	¥			щ	Π		LO	G OF SOIL BORING:	l	
Z	VER	/S / 6 LER	NG	T	PLE SAMPI	RED	Ê			E34	
RIVE	ECC	AMP	EAD EAD	EPT eet)	R SAL	ECOVIE SA	A B B				
	LE.	е о -	012		<u> </u>	δœ		ļ			
		-									
		-	*****	21—			//cl//				
				22				Ch	ance to very dark grov (2.5)	V 2/4)	
36	36			<u>v</u>			ĬĮĮĮ				
}		-		23				mc mc	NDY SILI, Light olive brow bist to wet.	n (2.5Y 5/3), soft, fine-graine	d sand, trace clay,
		-		24			ML				
						7					
			0.01	25	ľ		┈╵┈╵╶╷	Bo	pring terminated at 25 feet. I	Boring filled and sealed with a	a grout consisting of
				26				ne	at cement.		
						Ц					
				27—		Н					
						Η					
				20							
				29		Η					
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PSC - Sara Lee Oekland 955 Kneept Street Engineering, Inc. LOG OF SOIL BORING: E35 COORDINATES: E35 COORDINATES: ELEVATION TOP OF CASING: CASING BELCOW SURFACE: DATE 9/11/06 DRILLING COMPANY: Enprob REFERENCE GS GS INCRES Street Street Street DATE VATER LEVEL 2.0.5 16.48 START TIME DATE 9/11/06 9/11/06 DATE DATE DATE VATER LEVEL 2.0.5 16.48 START TIME DATE										CLIENT		SITE	NUMBER	LC	CATION	
Englineering, Inc. DRILLING AND Ende augest to 5 feet bys. Direct augest to 5 feet bys. LOG OF SOIL BORING: E35 COORDINATES: ELEVATION TOP OF CASING: The 1388 1515 The 1310 Top 50 CASING BELCOM SURFACE: DATE 9/11/06 9/11/06 DATE 0/11/06 DATE DATE DATE DATE DATE DATE			U	-						PSC - Sara Le	е		Oakland) 55 Kenne Dakland, C	dy Street A 94606
LOG OF SOIL BORING: E35 COORDINATES: ELEVATION TOP OF CASING: TIME 1358 1515 TIME 1300 1505 CASING BELOW SURFACE: DATE 9/11/06 1/11/06 1/11/06 1/11/06 1/11/06 DATE 9/11/06 DATE 1/11/06 DATE 1/11/06 DATE 9/11/06 DATE DATE DATE DATE 9/11/06 DATE DATE 9/11/06 DATE	Engii	neering	g, Inc.							DRILLING AND SAMPLING METHOD	Har S Cor	nd-auger e Clear	ed to 5 feet bgs. Acetate Liners.	Direct push G	Geoprobe 5410 v	vith Macro
WATER LEVEL 2 2 5 1 <td>LOG</td> <td>OF SC</td> <td>IL BO</td> <td>RING:</td> <td></td> <td>E</td> <td>Ξ3</td> <td>5</td> <td></td> <td></td> <td>r</td> <td></td> <td>r</td> <td></td> <td>T</td> <td></td>	LOG	OF SC	IL BO	RING:		E	Ξ3	5			r		r		T	
ELEVATION TOP OF CASING: CASING BELOW SURFACE: TIME 1358 1515 TIME TIME CASING BELOW SURFACE: DATE 9/11/06 9/11/06 1310 1505 DRILLING COMPANY: Enprob LICENSE NUMBER: 777007 REFERENCE GS GS 9/11/06 9/11/06 9/11/06 INCRES Start Engrave GS GS GS 9/11/06 9/11/06 9/11/06 INCRES Start Engrave GS GS GS GS DATE 9/11/06 9/11/06 9/11/06 9/11/06 9/11/06 9/11/06 9/11/06 9/11/06 9/11/06 9/11/06 9/11/06 9/11/06 9/11/06 DATE DATE DATE 0/11/06 9/11/06 9/11/06 9/11/06 9/11/06 0/11/06 0/11/06 9/11/06 0/11/06 <td< td=""><td>coo</td><td>RDINA</td><td>TES:</td><td></td><td></td><td></td><td></td><td></td><td></td><td>WATER LEVEL</td><td><u>⊽</u> 20</td><td>).5</td><td>⊻ 16.48</td><td></td><td></td><td></td></td<>	coo	RDINA	TES:							WATER LEVEL	<u>⊽</u> 20).5	⊻ 16.48			
CASING BELOW SURFACE: DATE 9/11/06 1310 1305 DRILLING COMPANY: Enprob REFERENCE GS GS 9/11/06 INCHES Stepson Stepson Stepson Concrete DATE 9/11/06 MCHES Stepson Stepson Concrete DSCRETE Concrete DSCRETE Stepson Stepson Stepson Concrete Concrete DSCRETE Stepson Stepson Stepson Stepson Concrete Concrete Concrete Stepson Stepson Stepson Stepson Concrete Concrete Concrete Stepson Stepson Stepson Stepson Concrete Concrete Stepson Stepson Concrete Stepson Stepson Concrete Concrete Stepson Stepson Stepson Stepson Stepson Concrete Concrete Stepson	ELE	ATION	I TOP	OF CA	ASING) :				TIME	13	58	1515		TIME	FINISH TIME
DRILLING COMPARY: Enprob REFERENCE GS GS DATE PI11/06 PI11/06<	CAS	ING BE	LOW	SURF	ACE:					DATE	9/1	1/06	9/11/06		1310	1505
Inclusion Concrete Concrete Notes and orgen an	DRIL	LING (ANY: E	Enprot)				REFERENCE		s	GS		- DATE 9/11/06	DATE 9/11/06
Bit of the second se		THES		R: ///					รเ	JRFACE CONDITIONS						
Set Set <td>Z</td> <td>VER</td> <td>/S / 6" LER</td> <td>UC INC</td> <td>r</td> <td>(PLE SAMDI</td> <td>MPLE</td> <td>L L</td> <td></td> <td></td> <td></td> <td></td> <td>Concrete</td> <td></td> <td></td> <td></td>	Z	VER	/S / 6" LER	UC INC	r	(PLE SAMDI	MPLE	L L					Concrete			
A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A A B B B A A B B B B A A B B B B B A B <td>DRIVI</td> <td>RECC</td> <td>BLOW</td> <td>OVA READ</td> <td>DEPT (feet)</td> <td>AIR SAM</td> <td>SOIL SA</td> <td>GRAP</td> <td>DE</td> <td>ESCRIPTION BY:</td> <td></td> <td></td> <td>D Pew 6</td> <td>La je o S</td> <td>h.7</td> <td>Roll</td>	DRIVI	RECC	BLOW	OVA READ	DEPT (feet)	AIR SAM	SOIL SA	GRAP	DE	ESCRIPTION BY:			D Pew 6	La je o S	h.7	Roll
AB AB <td< td=""><td></td><td></td><td></td><td></td><td>0</td><td></td><td>-</td><td>57574372</td><td><u> </u></td><td></td><td></td><td></td><td>Direw V</td><td></td><td><u> </u></td><td>D. C</td></td<>					0		-	57574372	<u> </u>				Direw V		<u> </u>	D. C
A A A A A A A A A A B B A B A B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B B C C B B C C B B C C C C C C C C C C C C C C C C C C C C C C C										SONONETE.						
2 2 CONCRETE 48 - - 36 - - - - - 36 - - - - -				1	1											
48 -					2			ONCRE	TE							
48 - - - SAND, Dark bluish grey (GLEY2 10B 4/1), loose, fine-grained poorly graded sand, sightly moist. 48 - - - SAND, Dark bluish grey (GLEY2 10B 4/1), loose, fine-grained poorly graded sand, moist. 38 - - - SANDY SILT, Very dark greyish brown (10YR 3/2), soft, fine-grained sand, moist. 48 48 - - - - 48 48 - - - - 48 48 - - - - 48 48 - 0.0 10 - - 11- 11- 11- - - - - 48 48 - 0.0 14 - - - 48 48 - 0.0 14 - - - - 48 48 - 0.0 14 - - - - 48 48 - - - - - - - - - - - - - -	ļ				3											
AB AB <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>								4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4								
48 -					4							(0.400	443 1 6			
48 -0.0 6 36 - 7 - - - - - - - - - - - - - - - - - - - - - - - - - - - 48 48 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - <td> </td> <td></td> <td></td> <td></td> <td>5</td> <td></td> <td></td> <td>SP</td> <td>s</td> <td>lightly moist.</td> <td>(GLE)</td> <td>(2 TUB</td> <td>4/1), loose, fi</td> <td>ne-grained p</td> <td>oony graded</td> <td>sand,</td>					5			SP	s	lightly moist.	(GLE)	(2 TUB	4/1), loose, fi	ne-grained p	oony graded	sand,
36 -	48			↓ ↓0.0—	6			- 			·			<i></i>		
Image: Sill TY CLAY, Very dark greyish brown (10YR 3/2),soft to medium stiff, very low plasticity, slightly moist. Image: Sill TY CLAY, Very dark grey (5Y 3/1), very soft, slightly moist, moderate odor. Image: Sill TY CLAY, Very dark grey (5Y 3/1), very soft, slightly moist, moderate odor. Image: Sill TY CLAY, Very dark grey (5Y 3/1), very soft, slightly moist, moderate odor. Image: Sill TY CLAY, Very dark grey (5Y 3/1), very soft, slightly moist, moderate odor. Image: Sill TY CLAY, Very dark grey (5Y 3/1), very soft, slightly moist, moderate odor. Image: Sill TY CLAY, Very dark grey (5Y 3/1), soft, low plasticity, slightly moist. Image: Sill TY CLAY, Very dark grey (5Y 3/1), soft, low plasticity, slightly moist. Image: Sill TY CLAY, Very dark grey (5Y 3/1), soft, low plasticity, slightly moist. Image: Sill TY CLAY, Very dark grey (5Y 3/1), soft, low plasticity, slightly moist. Image: Sill TY CLAY, Very dark grey (5Y 3/1), soft, low plasticity, slightly moist. Image: Sill TY CLAY, Very dark grey (5Y 3/1), soft, low plasticity, dry to slightly moist. Image: Sill TY CLAY, Very dark grey (10YR 3/1) and dark yellowish brown (10YR 3/4). Image: Sill TY CLAY, Very dark grey (10YR 3/1) and dark yellowish brown (10YR 3/4). Image: Sill TY CLAY, Very dark grey (10YR 3/1) and dark yellowish brown (10YR 3/4). Image: Sill TY CLAY, Very dark grey (10YR 3/1) and dark yellowish brown (10YR 3/4). Image: Sill TY CLAY, Very dark grey (10YR 3/1) and dark yellowish bro		36	-				Х	ML	2	ANDY SILT, Very dark	greyis	in drow	/n (10YR 3/2),	soft, fine-gra	ained sand, n	IOIST.
- - - - - - Trace to some fine to coarse-grained sand, increasing with depth from 7.75 to 8.75 feet bgs. 48 48 - <td< td=""><td></td><td></td><td></td><td></td><td> 7</td><td></td><td></td><td></td><td></td><td>SILTY CLAY, Very dark lasticity slightly moist</td><td>greyis</td><td>h brow</td><td>n (10YR 3/2),s</td><td>soft to mediu</td><td>ım stiff, very l</td><td>ow</td></td<>					7					SILTY CLAY, Very dark lasticity slightly moist	greyis	h brow	n (10YR 3/2),s	soft to mediu	ım stiff, very l	ow
48 48 5.4 - 0.0 10- - 11- - 11- - 11- - 11- - 11- - 11- - 11- - 11- - 11- - 11- - 11- - 11- - 12- - 13- 48 48 - 15- - 16- - 17- 48 48 - 16- - 17- 48 48 - 16- - 17- 48 48 - 19- - 19- - 19- - 19- - 19- - 19- - 19- - 19- - 19- <		-		ļ	8			ÚĊĽ/	i T	race to some fine to co	arse-g	rained	sand, increas	ing with dep	th from 7.75 t	o 8.75
48 48 5,4 0,0 10 10 10 10 10 10 10 10 10 11 11 11 11 12 11 12 12 12 13 13 13 13 13 14 14 14 14 15 14 15 15 16 16 16 17 16 17 16 17 16 17 17 18 17 18 17 18 17 19 19 19 19 19 19 19 10 18 18 18 18 18 18 18 19 19 10 <					9			//////////////////////////////////////	s	SANDY SILT, Very dark	grey (5Y 3/1), very soft, sli	ghtly moist,	moderate odd	or.
- - 0.0 10- 10- X - - 11- 12- 12- 13- 48 48 - 0.0 14- X - - 15- 15- CL CL 48 48 - 0.0 14- X - - 15- CL CL CL - - 15- CL CL CL - - 15- CL CL CL - - 16- CL CL CL - - 17- CL CL CL 48 48 - 0.0- 18- Trace roots present at 18 feet bgs. - - - 19- 20- 20- CL Trace roots present at 18 feet bgs.	48	48		5.4				<i>Ì//////</i> //////////////////////////////		CLAY, Very dark grey (5	Y 3/1)	, soft, l	ow plasticity,	slightly mois	t.	
- - 11- 12- 12- 12- 12- 48 48 - 0.0 14- - 15- 15- 16- 17- 48 48 - 0.0 16- 17- 17- 48 48 - 0.0 16- 17- 17- 17- 18- 17- 18- - 0.0 18- - 10- 19- 20- 20-		*******	-	0.0	10		Χ									
Beginning at 11.5 feet bgs, includes little fine to medium-grained sand, slight odor. SILTY CLAY, Very dark greyish brown (2.5Y 3/2), medium stiff, low plasticity, dry to slightly moist. SILTY CLAY, Very dark grey (10YR 3/1) and dark yellowish brown (10YR 3/4). Change to mottled very dark grey (10YR 3/1) and dark yellowish brown (10YR 3/4). Trace roots present at 18 feet bgs.			-		11			CL								
48 48 - - - - SILTY CLAY, Very dark greyish brown (2.5Y 3/2), medium stiff, low plasticity, dry to slightly moist. 48 48 -				 	12-				E	Beginning at 11.5 feet b	gs, inc	ludes l	ittle fine to me	dium-graine	d sand, slight	odor.
48 48 - 0.0 14 - 15 Change to mottled very dark grey (10YR 3/1) and dark yellowish brown (10YR 3/4). 48 48 - 0.0 18 0.0 18 17 17 17 17 17 17 17 17 17 17 17 17 17 18 20 18 19 20 19 20 18 18 18 18 18 18 19 20 19 20 10 18 18 18 18 18 18 18 19 20 19 20 10									1 5	SILTY CLAY, Very dark	greyis	h brow	n (2.5Y 3/2), r	nedium stiff.	low plasticity	, dry
Change to mottled very dark grey (10YR 3/1) and dark yellowish brown (10YR 3/4).	g 48	48			13	-			1 to	o slightly moist.						-
Change to mottled very dark grey (10YR 3/1) and dark yellowish brown (10YR 3/4).	5		-	-0.0-	14		\overline{X}									
Change to mottled very dark grey (10YR 3/1) and dark yellowish brown (10YR 3/4).	(GD1		-	 	15											
48 48 - 0.0 18- - - 19- 20- 20-										nange to mottled very	dark gi	rey (10	YR 3/1) and d	ark yellowish	n brown (10Yl	र 3/4).
48 48 - 17- - 0.0- 18- - - 19- 20-	BL.GF				16			//CL//	1							
48 48 - 0.0 18- - - 19- 19- 20- 20- 20-	¥				17											
Trace roots present at 18 feet bgs.	5 48	48	-	0.0-	18				1							
	BOR						Х		T	race roots present at 1	8 feet l	ogs.				
					19											
	000			 	20				1							

	-			i						CLIENT	SITE NUMBER	LOCATION
	Engin	neering	g, Inc.				- 4-			PSC - Sara Lee	Oakland	955 Kennedy Street Oakland, CA 94606
	INC	HES	۰. ۳			E E	.,.		L	OG OF SOIL BORING:		£
	DRIVEN	RECOVE	BLOWS /	OVA READING	DEPTH (feet)	AIR SAMPLE WATER SAME	SOIL SAMPLE RECOVERED	GRAPHIC LOG			E35	
								//ci//	0	Change to soft, trace fine to m	edium-grained sand, moist.	
					<u> </u> ¥ 21		X	ML		SANDY SILT, Olive brown (2.5	5Y 4/3), very soft, fine to med	ium-grained sand, little
				0.0	<u></u>				E	Boring terminated at 21 feet.	Boring filled and sealed with a	grout consisting of
			<u> </u>		22-				n	ieat cement.		
							-					
					1 23-							
					24							
					25							
					26							
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					27							
					28							
					29	11						
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					36							
							-					
					37		-					
					38							
90									****			
10/1					39							
GDT				_	40							
ETIC.					40							
GPJ					41		-					
К В												
SL-O/					42							
SING					43							
L BOF												
F SOI					44							
000					45							

E									CLIENT		SITE	NUMBER		LOCATION	
		16						Į	PSC - Sara Le	e		Oakland		955 Kenn Oakland,	edy Stree <u>CA_946</u> 0
Engin	of SC	g, Inc. DIL BOI	RING:		. [E3	6		DRILLING AND SAMPLING METHOD	Ha S Co	nd-auger re Clear	red to 3 feet bgs Acetate Liners.	. Direct pus	sh 5410 Geoprob	e with Macro
COOF	RDINA	TES:							WATER LEVEL	⊽ 12	2.25	⊻ 9.19			
ELEV		N TOP	OF CA	ASING	9:				TIME	14	455	1512		TIME	FINIS TIME
DRILL	NG BE	COMPA	SURF/	ACE:					DATE	9/1	1/06	9/11/06			
LICEN	NSE N	UMBE	R: 777	7007	, , , ,	-11-			REFERENCE	(SS	GS		9/11/06	§ 9/11/0
INCI N	NER SVER	VS / 6" PLER	SNIC	H	MPLE	AMPLE	HIC	SU	RFACE CONDITIONS			Concrete			
DRIV	REC	BLOV	OVA	DEP1 (feet)	AIR SAI	SOIL S/	GRAF LOG	DE	SCRIPTION BY:		T. 1	lob / D. Pew	Peri	eved by.	NE
				- 0				LEC	ONCRETE to 7.5" bgs	•					(
				1			₽ G M G M	S gi	ILTY GRAVEL(aggreg ravel to 0.75" diameter	ate ba , dry.	se fill),	Dark brown (7.5YR 3/3	3), loose, angul	ar
			<u> </u>	2				s	ILTY CLAY, Black (5Y	2.5/1)), soft, v	very low plasti	city, slight	tly moist.	
				3											
48				4				c	hance to mottled color	ina ar	əv (10Y	'R 5/1) and da	vrk veliowi	ish brown (10Y	'R 4/6)
	39			-		Х		m	edium stiff, low plastic	ity, tra	ce fine	-grained sand	, dry.		1(4/0);
				5	4		CL								
			ļ	- 6											
40	·			- 7		X		5	oli sample taken at 6.5	to 7 f	eet bgs	tor physical p	properties.	•	
~+0				8											
			0.0	y 9-		X		G		c volla	uich hr			fine to	
		-		10		X	:sw::	m	edium-grained sand, so oil sample taken at 9.5	ubang to 10	ular gr feet bo	avel to 0.25" o is for physical	iameter, d properties	dry. s.	
		-	26.1			Х		C S	hange to very dark gre ILT, Very dark greenisi	enish h grey	grey (Ğ (GLEY	LEYİ 10Y 3/ 1 10Y 3/1), sa	1), slight c oft, very m	odor. noist, slight odd	or.
48		-		11	1								-		
	36			I⊈ ^{12—}				C S	LAYEY SILT, Dark yel	lowish v (GI I	brown	(10YR 4/4), n Y 4/1) verview	nedium sti	iff, low plasticit	y, dry.
		-		13				s	ILTY CLAY Mottled or	ev (10	YR 5/1) and dark vol	10wieh (10	0YR (16) med	ium
		-		14			CL	st	iff, low plasticity, dry, s	light c	dor.	, and dark ye	nowiate (i (отт 4/0 <i>)</i> , тей	
			-0.0	15		X		B	oring terminated at 15	feet	Boring	filled and seal	ed with a	arout consistin	na of
				16				ne	eat cement.		2 crinig i		UU WHILE C	grout contributi	19 UI
						-									
				1 17	1										
				18											
				19											
				20-											
									CLIENT		SITE	NUMBER	LC	CATION	
----------	--------	-------------------	------------	---	------------	--------------------	----------	---------	--	--	---	--	---	--	-----------------------------------
		U							PSC - Sara Le	e		Oakland) 55 Kenne Dakland, C	dy Street A 94606
Engin	of SC	g, Inc. IL BOI	ring:		E	E 31	7		DRILLING AND SAMPLING METHOD	Har S Cor	nd-auger re Clear ,	red to 3 feet bgs. Acetate Liners.	Direct push 5	410 Geoprobe	with Macro
COOF	RDINA	TES:							WATER LEVEL	⊽ 9	.5	⊻ 9.15			
ELEV	ATION	TOP	OF CA	SING) :				TIME	10)12	1035		START TIME	FINISH TIME
		LOW		ACE:					DATE	9/1	3/06	9/13/06			1025
	NSE N	UMBE	R: 777	nprot. '007)				REFERENCE	Ģ	SS	GS	*****	9/13/06	9/13/06
INC	HES	R6"	(1)		PLE	щ _о		SL	URFACE CONDITIONS			Conoroto		1	
RIVEN	COVE	AMPLE		EPTH ()	R SAMPL	IL SAMPI COVERE	RAPHIC		ESCRIPTION BY		` <u> </u>		0	$\frac{1}{1}$	
<u> </u>	R R	ਲੱਬ	<u>б</u> қ		AIR	RE SO	59			······	·····	D. Pew 😽	es we	by . I	s neer
48	36		0.4	1 2 3 4 5 6 7 8 ₹ 9- 10 11 12 13 13 14			ML SM		SANDY SILT, Mottled d medium stiff, very low p SANDY SILT, Mottled d soft, fine-grained sand, 1 Beginning at 10.75 feet SILTY SAND, very dark strong odor.	ate ba y. 2.5/1) dark gr asticit asticit bgs, tr grey (D, Dar	se fill), , mediu rey (10 y, dry to y, dry to vet. ace gra 10YR 3 rk greyi ish bro	Dark brown (um stiff, low pi YR 4/1) and co o slightly mois (R 4/1) and data avel to 1" dian (B/1), loose, fin (Sh brown (2.5) (2.5) 4/2)	7.5YR 3/3), k lasticity, dry. lark yellowish st. ark yellowish neter increas e to medium Y 4/2), soft,	oose, angular h brown (10Y) brown (10YR ing with depti -grained sand fine-grained s	R 3/4), h. d, wet, sand,
			0.3	15			. ŚŴ.	• set r	GRAVELLY SAND, Dar sand, subrounded to su Boring terminated at 15 neat cement.	k greyi bangu feet.	ish bron lar grav Boring	wn (2.5Y 4/2), rel to 1" diame filled and sea	loose, fine t ster, wet. led with a gro	o medium-gra	ained I of

								***************************************	CLIENT		SITE	NUMBER	LC	CATION	1
		U							PSC - Sara Le	e		Oakland		955 Kenne Dakland, C	dy Street A 94606
LOG	oF SC	g, Inc. VIL BOI	RING:		E	E3	8		DRILLING AND SAMPLING METHOD	Har S Cor	id-augei e Clear	ed to 3 feet bgs Acetate Liners.	. Direct push 5	410 Geoprobe	with Macro
coo	RDINA	TES:							WATER LEVEL	⊽ 2 3	.25	⊻ 9.73			
ELEV) :				TIME	15	514	1545			
DRIL		COMPA		inprob)				DATE	9/1:	3/06	9/13/06		1200 DATE	DATE
LICE	NSE N	UMBE	R: 777	007	1 1			·····	REFERENCE	G)S	GS		9/13/06	9/13/06
	HES JANO	WS / 6" PLER	DING	E_	MPLE R SAMPLE	VERED	PHIC	S	URFACE CONDITIONS			Concrete			
DRIV	REC	BLO!	OVA REAI	(feet)	AIR SA WATEF	SOIL S	GRA	D	ESCRIPTION BY:		Т. І	ob / D. Pew	Reversed	by: J	> they
				0					CONCRETE to 8" bgs.					J	0
				1			GM		SILTY GRAVEL(aggreg gravel to 1" diameter, dr SILTY CLAY, Black (5Y	ate ba: y. 2.5/1)	se fill), , mediu	Dark brown (um stiff, low p	7.5YR 3/3), k lasticity, dry.	oose, angular	
				- 3											:
	39		0.0	4 5		X	CL		Change to mottled color (10YR 4/6), trace fine-gr	ing, da ained	irk grey sand.	/ (10YR 4/1) ;	and very dark	x yellowish bro	own
				6				-	Beginning at 6.5 feet bg	s, trace	e subro	ounded grave	l to 0.3" diam	eter.	
48	45		-0.0-	8		X	ML		CLAYEY SILT, Mottled	lark gr	rey (10	YR 4/1) and c	tark yellowist	n brown (10YI	२ 4/6),
				9— ▼ 10—			ML		son, very low plasticity, i GRAVELLY CLAY, Olive gravel to 1" diameter, tra GRAVELLY SILT, Olive gravel to 1" diameter, litt CLAYEY SILT, dark gre	race fi e brow ice fine brown le fine /ish br	ne to n n (2.5) e to me (2.5) to mee own (2	4/3), soft, ve dium-grained 4/3), soft, ver dium-grained .5Y 4/2), soft	ed sand, sligi ery low plastic I sand, moist y low plastici sand, trace c , low plasticit	ntly moist. bity, subangul ty, subangula day, moist. y, slightly moi	ar r
48	48			11		\triangle	ML	i	ron staining. Change to very dark gre	y (10Y	R 3/1),	, slight odor fr	rom 10.5 to 1	2.25 feet bgs	
		-	0.1	12 13		X			SILTY CLAY, Mottled da medium stiff, low plastic	irk gre ty, dry	y (10Y) , trace	R 4/1) and da medium-grai	irk yellowish l ned sand.	brown (10YR	4/6),
				14				-	Root traces present.						
48	48		0.2	15 16		\bigtriangledown			Slight odor present at 15 sand, soft to medium sti	i.5 to 1 ff.	6 feet	bgs, increase	in medium t	o coarse-grai	ned
		-	••••••	17—		\triangle		(Change to medium stiff,	trace i	mediur	n-grained sar	nd, dry.		
=			0.0	18		X									
36	36			20											
·L	1		L	L		Ц									

											CLIENT	SITE NUMBER	LOCATION
	Engin	neering	g, Inc.								PSC - Sara Lee	Oakland	955 Kennedy Street Oakland, CA 94606
Ì	INC	HES	50			Ţ	y	Τ			OG OF SOIL BORING:		I
	DRIVEN	RECOVER	BLOWS / 6 SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	SOIL SAMPLE	RECOVERED	GRAPHIC LOG			E38	
Ĩ			-							C	Change to very dark grey (2.5)	Y 3/1), soft, moist.	
-			-		21				CL.	Cr	Change to mottled dark grey (* nedium stiff, dry.	10YR 4/1) and dark yellowish	brown (10YR 4/6),
	36												
ŀ			-		<u></u>				////	1	ANDV OILT Light office brown		
			-	0.0	24		X			0	AND T SILT, LIGHE ONVE DIOWN	n (2.51 5/3), soit, ime-grained	a sand, moist to wet.
			-						ML	Т	race subangular gravel to 0.7	5" diameter from 24.5 to 26 f	oot has
	~ .				25						rado dabangalar graver to 0.1		eer byo.
	24				26-								
		12		0.0			77		ML	G C	RAVELLY SILT, Light olive b lay, wet.	rown (2.5Y 5/3), soft, gravel	to 0.75" diameter, trace
					27		Á	-		В	oring terminated at 27 feet.	Boring filled and sealed with a	a grout consisting of
					28					n	eat cement.		
					2.0								
					29			-					
					20								
ſ					1 30								
-					31			_					
								-					
Ì					32	1							
-					33			4					
								-					
ľ					34								
					35-								
ŀ					36								
ļ					37								
ا س					38								
0/11/0				····	39								
DT 3(-						
EC.G					40								
ш С					41								
BLG					++								
OAK					42			-					
G SL					<u>.</u>			-					
30RIN					43]		_					
SOIL E					44			-					
20E								4					:
ğ					45-			1					

									CLIENT		SITE	NUMBER		LOCATION	
		IC	•			•			PSC - Sara Le	e		Oakland	I .	955 Kenne Oakland, C	dy Street A 94606
Engir	neering	g, Inc.							DRILLING AND SAMPLING METHOD	H S C	and-auge ore Clear	red to 3 feet bgs Acetate Liners.	s. Direct pus	h 5410 Geoprobe	with Macro
LOG	OF SC	DIL BO	RING:			E	39								
coo	RDINA	TES:							WATER LEVEL	y 2	22.5	⊻ 9.83		START	FINISH
ELE		N TOP	OF C/	ASING	3:				TIME	1	440	1535		TIME	
									DATE	9/	13/06	9/13/06			
LICE	NSE N	UMBE	:R: 777	7007	J				REFERENCE		GS	GS		9/13/06	9/13/06
INC	HES	1,9 R	(7)			Р(п	<u>ه</u> ر	S	JRFACE CONDITIONS	<u></u>		Assessed	- f		
INEN	COVE	OWS /	ADINC	et)	SAMPLE	L SAMPI	COVERE G	_				Aspnait	<u> </u>	0	
<u> </u>	<u> </u>	SAL	<u> </u>	Цġ	AIR	SOI	원 전 전 전 건					D. Pew	Reviewe	دا <i>لين</i>) Nes
		·		1 0			ASPHA		ASPHALT.	ato b	aee filli)	Dark brown ((7 EVD 2/2)) looso angula	,
				1			HolGM-		pravel to 1" diameter, di	ny.	ase m),	Dark brown ((1.011.0/0)), ioose, angula	1
				- 2					SILTY CLAY, Black (5Y	2.5/	1), medii	um stiff, low p	olasticity, d	ry.	
				3-											
48				Ŭ					Change to mottled color	ring, v	very darl	k grey (10YR	3/1) and d	ark vellowish br	'own
	42	-	0.0	4	-	X			10YR 3/4).	•	·		,		
		-		5-											
				6					Ponining of 6 foot hop. 1	nolud	iac traca	fina ta anara	o arainad	outbrounded to	
				-					subangular sand.	nciuc			e-grameu :	subiounded to	
48				1 ($\Box \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$								
				- 8	-										
				- 9	_				Change to soft to mediu	ım sti	iff, verv l	ow plasticity.	slightly mo	oist, includes litt	le fine
	24	-	0.0	▼ 10	-	X		t	o coarse-grained sand,	faint	odor.	, (,, - ,, - , -		····, ·····	
48				11	-				hongo to motified dark		(40)/0 /	1/1) and devic		(10)(D 0)	0
	42	-	0.0	12		X		ŗ	nedium stiff, dry, mode	grey rate c	odor.	HT) and dark	yellowish c	atown (10YR 3/	4),
		-		- 13											
/11/06		-		14											
10				14											
				15-											
I PO				16	-										
¥ M	-			17											
0.10	24		0.0			X			Change to very dark gre with little fine to medium	eyish 1-grai	brown (1 ned san	10YR 3/2), me d.	edium stiff,	low plasticity, o	dry,
SORIN.		-		18	1	ŕ									
Soll		-		19	$\left \right $				Change to soft to mediu	ım sti	iff, slight	ly moist.			
6 12 8	12	-	1	20	-										
····2 [£	۱						****						

ſ									T	CLIENT	SITE NUMBER	LOCATION
	Engin	eering	g, Inc.							PSC - Sara Lee	Oakland	955 Kennedy Street Oakland, CA 94606
	INC	HES	÷			u			LC	OG OF SOIL BORING:		***************************************
*****	IVEN	COVER	OWS / 6 MPLER	A ADING	et)	SAMPLE TER SAMP	L SAMPLE	GAPHIC			E39	
	<u> </u>	RE	ά Ν Β Γ	<u> </u> бж	Ц Щ Щ	AIR	Sol					
	48				21	,		L/CL//				
					22			ML	CI pl	LAYEY SILT, Light olive brow asticity, little fine to medium-	wn (2.5Y 5/3), soft to medium grained sand, moist.	stiff, very low
			-		<u>⊽</u> 23—				G sı	RAVELLY SAND, Dark greyi Jbangular gravel to 1" diame	ish brown (2.5Y 4/2), loose, s ter, little silt, wet.	ubrounded to
				0.0	24		X		Bo	oring terminated at 24 feet.	Boring filled and sealed with a	a grout consisting of
					25	3		-	ne	eat cement.		
-					26							
-					27							
-					28—							
_					29—		-	_				
					30		-	_				
					31—			-				
					32							
					3.			-				
_					35-			_				
					36-			-				
					37	1	ł					
-					38							
10/11/06					39							
TIC,GDT					40							
BL.GPJ E					41							
SL-OAK					42							
BORING					43							
DF SOILE					44			_				
ő					45	$\left \right $		-				

Γ										CLIENT		SITE	NUMBER		OCATION	
			U							PSC - Sara Le	е		Oakland		955 Kenne Oakland, C	dy Street A 94606
	Engin _OG (OF SC	g, Inc. NL BO	RING:			Ξ4	0		DRILLING AND SAMPLING METHOD	Har S Cor	nd-auger re Clear /	ed to 3 feet bgs Acetate Liners.	3. Direct pust	a 5410 Geoprobe	with Macro
		RDINA	TES:							WATER LEVEL	및 18	.25				
	ELEV		N TOP	OF C/	ASING	3:				TIME	11	122			TIME	FINISH TIME
				ANY: E	ACE: Enprol	b				DATE	9/1	3/06			1045 DATE	DATE
		NSE N	UMBE	R: 777	7007	- 		- <u>T</u>		REFERENCE	G	S			9/13/06	9/13/06
		HES	VS / 6" PLER	SNIC	Ļ.	VPLE	AMPLE	HIC	su	RFACE CONDITIONS			Concrete			
	DRIV	RECO	BLOV	OVA REAL	DEPT (feet)	AIR SA	SOIL S/	LOG RAF	DE	SCRIPTION BY:		A	D. Pew	Revenue	I by I	5 Ney
					- 0-	-		ONCRE		ONCRETE to 10" bgs.						\bigcirc
-					- 1			GM	S	ILTY GRAVEL(aggrega	ate ba	se fill),	Dark brown (7.5YR 3/3)	, loose, angular	,
					- 2				S S	ILTY CLAY, Black (5Y	2.5/1)	, mediu	ım stiff, low p	lasticity, dr	у.	
					3-											
	48				A											
		36		0.0] 4-		$\overline{\mathbf{X}}$	ML	C m	LAYEY SILT, Mottled on adjum stiff, very low pl	lark gi asticit	rey (10` y, trace	YR 4/1) and of fine-grained	dark yellowi sand, dry.	sh brown (10Yi	२ ३/४),
					- 5			SM .	s	ILTY SAND, Dark grey	ish bro	own (2.	5Y 4/2), loos	e, fine to co	arse-grained	
			-		- 6				SI S	ubrounded to subangul ILTY CLAY, Mottled da	ar san Irk gre	id, dry. y (10Yf	R 4/1) and da	ark yellowis	h brown (10YR	3/4),
		ļ			7	-			S	ILT, Mottled dark grey	(10YR ained	4/1) ar sand. s	nd dark yellov slightly moist	wish brown	(10YR 3/4), sol	ft to
_	48	42-		0.0	8-	_		IVIC.				,				
-			-		- 0		Δ		S S	ILTY CLAY, Mottled da oft to medium stiff, very	rk gre í low p	y (10YF lasticity	R 4/1) and da /, trace fine to	ark yellowisl o medium-ç	h brown (10YR grained sand, sl	3/4), ightly
					Ū				m	ioist.						
				-0.0	10	-	X		c	hange to very dark gree	enish	grey (G	LEY1 10Y 3/	'1), no sand	l, moderate odo	ж.
	48				11	$\left \right $										
_		42		0.0	12-		X		c	hange to slight odor.						
-			-		13				c	hange to mottled dark	arev (10YR 4	(1) and dark	vellowish h	rown (10YR 3/4) 00
0/11/06					14				i o	dor.	ə, ~1 (ក្ខភាភារមាល់ ហេ		71 110
GDT 1																
LETIC.	48				1 ¹⁵	+			In	cludes little fine to mer	lium-o	Irained	sand from 1F	5 to 18 feet	has	
BL.GP		42	-	0.0	16	-	Χ				and in g	, an our			595.	
1-OAK			-		17											
ORING S					<u> </u> <u></u> 18−				c	LAYEY SILT, Very darl	k grey	ish brov	wn (10YR 3/2	?), soft, wet		
OF SOIL B(36	36			19			ML	In	cludes little fine to mec	lium-g	rained	sand beginni	ng at 19.25	feet bgs.	
ŝF					20											

								CLIENT		SITE NUMBER	LOCATION
Engir		1 6 9, Inc.						PSC - S	ara Lee	Oakland	955 Kennedy Street Oakland, CA 94606
INC	HES	5			Щ			LOG OF SOI	BORING:		
z	VER	/S/6	NG	r	APLE SAMPI	MPLE) 문			E40	
DRIV	LECC	SAME	OVA READ	DEPT feet)	UATER	IECOV	SRAF OG				
		-	0.0		< >	ς Υ			·····		
		-		21		<u> </u>	ML				
				21			SM	SILTY SAND, V subrounded to s	ery dark greyis	h brown (2.5Y 3/2), loose, d. wet.	fine to coarse-grained
				22			SIAP.	GRAVELLY SA	ND, Dark greyi	sh brown (2.5Y 4/2), loose	, subrounded to
24	24								AV Desk service	er, little slit, wet.	
-		-	0.0	23			CL	to subangular g	ravel to 1" diam	sn brown (2.5Y 4/2), soft, k neter, very moist.	ow plasticity, subrounded
		-		24		X.		Boring terminate	onlat24.feet F	Roring filled and sealed wit	h a grout consisting of
						-		neat cement.		Joining miled and sealed with	It a grout consisting of
				25		-					
				26							
				27							
L				28							
				2.0							
				29							
						-					
				30							
				31—		_					
						-					
				32							
				33		_					
						-					
				34							
				35							
				36—							
				37							
				38—							
Ž				20_							
-				59		П					
5				40		Н					
0 2						Η					
				41							
<u> </u>				42							
						-					
				43							
ā				44		П					
5						\mid					
3				45		⊢					

									CLIENT		SITE	NUMBER	L	OCATION	
E		U							PSC - Sara Le	е		Oakland		955 Kenne Oakland, C	dy Street A 94606
Engir	heering	g, Inc.					-		DRILLING AND SAMPLING METHOD	Har S Geo	nd-augei oprobe v	red to 8 feet bgs. vith 5-foot long N	Direct push lacro Core Cl	6610 Limited Acc ear Acetate Liner	ess 3.
LOG	OF SC	IL BO	RING:		E	4	1			r		1			
coo	RDINA	TES:							WATER LEVEL	y 2	21	¥ 8.2			
ELE		N TOP	OF CA	ASING	3:				TIME	11	40	1150		TIME	
				ACE:	~		······		DATE	3/2	8/07	3/28/07		1035	1200
LICE	NSE N	UMBE	R: 705	5927	~				REFERENCE	G	S	GS		3/28/07	3/28/07
INC	HES	.R 6"	(1)		ΩLΕ	щo	0	SL	JRFACE CONDITIONS						
RIVEN	COVE	OWS /	A ADING	et)	SAMPLE TER SAN	L SAMPI	2APHIC			5		Asphait	R	ensied by	
Ľ	R	SA EL	0W	Шġ	AIR WA	REC	83					T. lob		37 1	wX
	-			1 0		A	SPHAL	, ТЗ 1	" Asphalt						
				- 1											
				2											
				3											
						-									
				j 4											
6	6		10	5		X		s	SILTY CLAY, black (5Y	2.5/1)	, mediu	ım stiff, low pl	asticity, dry		
			1.0	6											
				7											
24	24			¥ 8					Color change to mottled	VORVIC	lark or	w (10VP 3/1)	and dark w	allowich brown	
		~		9				(10YR 3/4), little fine sar	nd	iant gie	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	and dam y	Showian Drown	
		-	0.4	10		X	CL.	C	hange to no fine sand,	slightl	y mois	4 2			
60	60	-		11											
				40											
				12											
~				13											:
20				14				c	Change to moist						
	 		0.1	15		Χ			Thomas to day						
60	60	-		16.											
		-		10											
or-04				17											
				18											
3				19				0	ame as abovo						
200			0.1			X			and as abuve						
3[L										····		

				****				С	LIENT	SITE NUMBER	LOCATION
Engir	neering	g, Inc.							PSC - Sara Lee	Oakland	955 Kennedy Street Oakland, CA 94606
INC	HES	5			L	Π		LO	G OF SOIL BORING:		- Le.
DRIVEN	RECOVER	BLOWS / 6 SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE WATER SAMPI	SOIL SAMPLE RECOVERED	GRAPHIC LOG			E41	
ING SL-OAK BL.GD1 5/10/07		SAMPLER		HLdag 21	AIR SAMPLE			SIL mea Cha SIL (10' Incr GR sub Bor cen	TY CLAY, very dark grayisi dium sand, moist ange to firm, wet T W/ GRAVEL, mottled ver YR 3/4), medium stiff, some rease in gravel frequency, li AVELLY SAND, dark grayis rounded gravel to 0.5" dian ing terminated at 25 feet. En nent.	E41 h brown (2.5Y 3/2), soft, low y dark gray (10YR 3/1) and e subrounded gravel to 0.5" ittle fine to medium sand sh brown (2.5Y 4/2), loose, fineter, little silt, wet Boring filled and sealed with	plasticity, some fine to dark yellowish brown diameter, moist ine to medium sand, grout consisting of neat
				44—							
000				45							

FTIA		CLIENT	SITE	NUMBER	LOCATIO	V
EIIC		PSC - Sara Lee	Э	Oakland	955 Ke Oaklan	nnedy Street d, CA 94606
Engineering, Inc. LOG OF SOIL BORING:	E42	DRILLING AND SAMPLING METHOD	Hand-auger S Geoprobe v	ed to 4 feet bgs. I vith 5-foot long Mad	Direct push 6610 Limit cro Core Clear Acetate	ed Access I Liners
COORDINATES:		WATER LEVEL	⊻ 24	⊻ 12.66		
ELEVATION TOP OF CA	SING:	TIME	1520	1530	STA TIME	RT FINISH TIME
DRILLING COMPANY: VI	ronex	DATE	3/29/07	3/29/07	150	00 1545
LICENSE NUMBER: 7059	927	REFERENCE	GS	GS	3/29	/07 3/29/07
INCHES	15 MPLE VAPLE	JRFACE CONDITIONS		Concrete	Reviewed	by:
DRIV BILON SAM OVA	DEP (feet) (feet) (feet) MAITER SOILS SOILS GRA LOG GRA	ESCRIPTION BY:		T. lob	SS	Heal
		8" Concrete				\circ
	1-	SILTY CLAY, black (5Y :	2.5/1), mediu	m stiff, low plas	sticity, dry	
	2					
	3-					
	4					
	5					
60 60 - 0.2						
-		Color change to mottled 10YR 3/4)	very dark gra	iy (10YR 3/1) ar	nd dark yellowish b	rown
	8-1					
	9					
60 60 01	10 Å					
-	11					
	12-					
		Color change to very dar	k gray (10YF	t 3/1), slight pet	roleum hydrocarbo	n odor
		Color change to mottled 10YR 3/4), no odor	very dark gra	ıy (10YR 3/1) ar	nd dark yellowish b	rown
60 60 0.1						
		Color change to very dar	k brown (10)	'R 2/2), firm	nd dark vallawich h	rowo
	17	10YR 3/4), medium stiff	very uark yf8	y (10117, 3/1) ar	na aark yellowish b	i U WI I
	18					
	19					
0.6						

Γ	-								CL	IENT		SITE NUMBER	LOCATION
	Engin	neering	g, Inc.							PSC - Sa	ra Lee	Oakland	955 Kennedy Street Oakland, CA 94606
	INC	HES				1	ŢŢ	Ι	LOG	OF SOIL	BORING:		······································
	DRIVEN	RECOVER	BLOWS / 6 SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	SOIL SAMPLE	GRAPHIC LOG				E42	
	60	60	-		21				SILT	Y CLAY, san	ie as above v	with color change to very	/ dark brown (10YR 2/2)
					22	- F		CL	Coloi (10Y	r change to n R 3/4)	nottled very d	lark gray (10YR 3/1) and	l dark yellowish brown
				0.1	¥ 24 25		X		Char	nge to soft, w	et at 25 feet - F	Soring filled and socied w	with grout consisting of post
					26		-	m.	ceme	ent.	at 20 leet. L	Sound miles and sealed a	and grout consisting of neat
					27								
					28								
					29			-					
					30			-					
					32-			-					
					33—			~					
_					34								
-					35								
					36								
_					38								
5/10/07					39			•					
ETIC.GDT					40								
BL.GPJ 1					41								
3 SL-OAK					42								
IL BORINK					43								
LOG OF SC					45								

								CLIENT		SITE	NUMBER	L	OCATION	
		16	-					PSC - Sar	a Le	e	Oakland		955 Kenne <u>Oakland,</u> C	dy Street A 94606
Engi	neerin	g, Inc.						DRILLING AND SAMPLING MET	HOD	Hand-auge S Geoprobe	ered to 4 feet bgs with 5-foot long N	. Direct push /acro Core Cl	6610 Limited Ace ear Acetate Liner	cess s
LOG	OF SC	DIL BO	RING:			Ε4	3	·····		T			- <u>-</u>	
000	RDINA	TES:						WATER LEV	EL	⊻ 24	⊻ 19.0			mittiout
ELE			OF C/	ASING	3:			TIME		1435	1445		TIME	
				AUE:	~~~~			DATE		3/29/07	3/29/07		1415	1510
LICE	NSE N	UMBE	R: 70	5927	X			REFERENC	Έ	GS	GS		3/29/07	3/29/07
INC	HES	ۍ. مو				<u></u>		SURFACE CONDITION	S	J		L		1
VEN	EOVE	MPLEF	ADING	отн t)	SAMPLE	SAMPLI SAMPLI	APHIC 8	Million Married Handresson			Concrete	Re	unied by):
DRI	Щ. Ш. Ш.	SAL	S₩		AIR	SOIL	E S S	DESCRIPTION BY:			T. lob	2	210	et
				- 0			ONCRET	rE ⁸ " Concrete				·	(\bigcirc
				- 1	-			SILTY CLAY, black	: (10`	YR 2/1) mer	ium stiff <i>low r</i>	asticity dr	,	
				2							adini onini, iow ş	naoaony, ar	<i>y</i>	
				_										
				- 3	-									
				4		-								
ļ				5	-									
60	60		0.1			Å								
		-		0				Color change to my	ttiad	vonu dork ar	ov (10VB 2/1)	and dark us	llouích hanna	(40
				7-				YR 3/4)	7460	very dark gr	ay (1011X 3/1)	anu uark ye		(10
				8										
				9-										
						X								
60	60		0.1	10	-		//CL//							
		-		11	-									
ļ				12	-			Calcium donasite 1	9 to 1	10 E fact				
				10				Calcium deposits 1	2 IU	12.0 166[
ž				1.3										
2				14										
3				15		Х		Change to moist Change to drv						
u 60	60	-	0.1	16										
		-												
2.70				17										
2				18										
ช ส				¥ 19-										
0-50			0.1			X								
5				20-										

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Γ							~~~~~		T	CLIENT	SITE NUMBER	LOCATION
	Engir		g, Inc.							PSC - Sara Lee	Oakland	955 Kennedy Street Oakland, CA 94606
	INC	HES			Ι	1	Л	1			<u>i</u>	L
	DRIVEN	RECOVER	BLOWS / 6' SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	SOIL SAMPLE	GRAPHIC LOG			E43	
	60	60			21				SI	ILTY CLAY, same as above	with color change to very darl	c brown (10YR 2/2)
			-		22-			CL	Ci YI	olor change to mottled very c R 3/4)	lark gray (10YR 3/1) and dark	yellowish brown (10
					23							
					⊻ 24—				Gi SU	RAVELLY SAND, dark greer brounded sand, subrounded	nish gray (10YR 4/1), loose, fi I gravel to 0.5" diameter, wet	ne to coarse
-				0,1	25				Bo Ce	oring terminated at 25 feet. I ement.	Boring filled and sealed with g	rout consisting of neat
					26							
					27			-				
					20			-				
					30							
-					31-			-				
					32			-				
					33			-				
-					34—							
-					35							
					36			-				
					37—			-				
10/07					38							
COT 5/					40-							
GPJ ETIC					41			-				
OAK BL					42							
RING SL					43							
SOIL BO					44							
LOG OF					45							

ſ									Ī	CLIENT		SITE	NUMBER		LOCATION	
			U	-						PSC - Sara Le	е		Oakland		955 Kenne Oakland, C	dy Street A 94606
	Engir	neering	g, Inc.							DRILLING AND SAMPLING METHOD	Har S Geo	nd-auger oprobe v	red to 8 feet bgs. vith 5-foot long N	Direct pus lacro Core (h 6610 Limited Acc Clear Acetate Liner	jess 5.
	LOG	OF SC	DIL BO	RING:			E4	14			Т		1	·····		
	cool	RDINA	TES:						_	WATER LEVEL	<u>z</u> 2	23	⊻ 18.3			
	ELEV	ATION	N TOP	OF C	ASING	3:				TIME	09	950	1000		TIME	TIME
-			LOW	SURF.	ACE:			·		DATE	03/2	28/07	03/28/07		0830	1030
	LICE	NSE N	UMBE	R: 70	5927	X:				REFERENCE	G	s	GS		3/28/07	3/28/07
ľ	INC	HES	يم م <u>و</u>	0			ม่ม		su	IRFACE CONDITIONS	1		J		~ ^	L
	VEN	COVE	NPLEI		HLQ	SAMPLE	EH SAM SAMPL	APHIC 3					Asphalt	5	Esvined?	ېن∙
	DRI	<u> </u>	SAP SAP	<u>SB</u>		AIR	SOIL		DE	SCRIPTION BY:			T. lob		ST 10	why
					- 0	-] .T 3'	"Asphait		EIIV	-1		、	\mathcal{L}
					- 1	-			g g	ravel to 1" diameter, dr	уате ра У	ise ini),	, dank brown (1.518 3/3), loose, angular	
	'				2			+	v							
								-\////	S	ILTY CLAY, black (5Y	2.5/1),	mediu	im stiff, low pl	asticity, dr	Ŷ	
ŀ	*******				- 3-											
-					4			-\/////								
	6	6		8.2			Å									
-					1 -											
-					- 7			X								
					- 8			CL	C	hange to mottled very	dark o	rav (10	YR 3/1) and d	lark vellow	ish brown (10YF	2 3/4)
	24	24	-		 9				lit	tle fine sand			fire of ty and o	ant yonon	non brown (1011	(0/4),
	60	60		1.4	10		X									
					11											
_					12				C	hange to moist, calciur	n depo	osits				
20					13											
5/10/					- 14	$\left \right $			C C	LAYEY SILT, mottled	very da	irk gray	y (10YR 3/1) a	ind dark y	ellowish brown (10YR
C.GD1					15		\bigtriangledown	ML	3/	soft, very low plasti	city, lit	tle sub	angular grave	l to 0.75" (diameter, moist	to wet
FJ ET	48	48	-	0.2	10		Å									
BLG			-		10				SI 3/	ILTY CLAY, mottled ve (4), stiff, little fine sand,	ry darl Iow pl	c gray asticity	(10YR 3/1) an /, dry	d dark yel	lowish brown (10	DYR
SL-OA			-		17	~					-	-				
SING					1 8											
					19-											
OF SC	60	60			1.0				C	olor change to very dar	'k gray	ish bro	wn (2.5Y 3/2)	, medium	stiff	
ရှိ					20-				1							

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Engineering, Inc. PSC - Sara Lee Oakland	955 Kennedy Street Oakland, CA 94606

E44 ECOVEF RECOVEF RECOVEF RECOVEF READING	
- - - X - 21- 21- CL SILTY CLAY, same as above with color change to moth 3/1) and dark yellowish brown (10YR 3/4)	iled very dark gray (10YR
23 23 SILTY SAND, mottled (10YR 3/1) and (10YR 3/4), med	ium dense, fine sand, wet
2.4 24 CLZZ SILTY CLAY, same as above, stiff GRAVELLY SAND, dark gravish brown (2.5Y 4/2), loos	e. fine to coarse
subrounded sand, subrounded gravel to 0.5" diameter, Boring terminated at 24 feet. Boring filled and sealed w	little silt, moist with a grout consisting of
neat cement.	
31	
35-	
37-	
38-1	

				CLIENT	SITE	NUMBER	LOCA	TION	
EIIC				PSC - Sara Le	e	Oakland	955 Oak	Kenned	ly Street A 94606
Engineering, Inc.	NG:	E4	5	DRILLING AND SAMPLING METHOD	Hand-auge S Geoprobe	red to 8 feet bgs. with 5-foot long M	Direct push 6610 I facro Core Clear Ac	Limited Aco etate Liners	ess
COORDINATES:				WATER LEVEL	⊽ 2 4	⊻ 19.9			
ELEVATION TOP OF				TIME	1035	1045	TI	START ME	FINISH TIME
DRILLING COMPAN	Y: Vironex			DATE	3/29/07	03/29/07	DA	0945 ATE	DATE
LICENSE NUMBER:	705927	1.1	1 1		GS	GS	3.	/29/07	3/29/07
	DING	AMPLE R SAMPLE SAMPLE VEPED	6 PHIC	SURFACE CONDITIONS		Asphalt	4	Reven	lby:
DRIV BLO SAW	REA DEP	WATE WATE SOIL (LOGR [DESCRIPTION BY:		T. lob		TRA	lef
	0- 1- 2- 3- 4- 3- 4- 3- 4- 3- 4- 3- 4- 3- 4- 3- 4- 3- 4- 3- 4- 3- 4- 3- 4- 3- <td></td> <td></td> <td>3" Asphalt SILTY GRAVEL (aggreg gravel to 1" diameter, dr SILTY CLAY, black (10) Color change to mottled (10YR 3/4) SILTY SAND W/ TRACE medium sand, wet SILTY CLAY, dark greer petroleum hydrocarbon of Change to firm Same as above w/ little of SILTY CLAY, mottled ve 3/4), medium stiff, low pl</td> <td>y YR 2/1), firm Very dark gr. E CLAY, mot hish gray (GL odor, moist coarse subro ary dark gray lasticity, dry</td> <td>, dark brown (7 to medium stif ay (10YR 3/1) tled (10YR 3/1) EY 5GY 3/1), unded sand (10YR 3/1) an</td> <td>7.5YR 3/3), loose f, low plasticity, c and dark yellowis) and (10YR 3/4) soft, low plasticit d dark yellowish</td> <td>e, angular dry sh brown), loose, fii ty, slight brown (10</td> <td>ne to DYR</td>			3" Asphalt SILTY GRAVEL (aggreg gravel to 1" diameter, dr SILTY CLAY, black (10) Color change to mottled (10YR 3/4) SILTY SAND W/ TRACE medium sand, wet SILTY CLAY, dark greer petroleum hydrocarbon of Change to firm Same as above w/ little of SILTY CLAY, mottled ve 3/4), medium stiff, low pl	y YR 2/1), firm Very dark gr. E CLAY, mot hish gray (GL odor, moist coarse subro ary dark gray lasticity, dry	, dark brown (7 to medium stif ay (10YR 3/1) tled (10YR 3/1) EY 5GY 3/1), unded sand (10YR 3/1) an	7.5YR 3/3), loose f, low plasticity, c and dark yellowis) and (10YR 3/4) soft, low plasticit d dark yellowish	e, angular dry sh brown), loose, fii ty, slight brown (10	ne to DYR

									CLIE	ENT		SITE NUMBER	LOCATION
E	ngir	neering	g, Inc.							PSC - Sa	ra Lee	Oakland	955 Kennedy Street Oakland, CA 94606
	INC	HES			Ι	L	4		LOG	OF SOIL	BORING:		
	DRIVEN	RECOVEF	BLOWS / 6 SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE	SOIL SAMPLE	GRAPHIC LOG				E45	
	60	60			21	-			SILTY	′ CLAY, san	ne as above		
		20		0.9	23 ⊻ 24 25		X	CL	Chang	ge to wet			
			-		26				CLAYI moist	EY SAND, d	lark yellowisł	n brown (10YR 3/6), loose,	fine to coarse sand,
				1	28		X	SM 1	coarse	sand, wet	k yellowish bi	rown (10YR 3/6), loose, fir	he to medium sand, little
				0.1					Boring neat o	i terminated ement.	at 28 feet. E	Boring filled and sealed wit	h a grout consisting of
					29								
					1 30			-					
					31			-					
					32			-					
					33			-					
					34								
					35			-					
-					36			-					
-					37		-	-					
20					38			-					
DT 5/11/					39								
J ETIC.G					40								
K BL.GP					41			-					
SL-OAI					42								
L BORING					43								
OF SOIL					44								
<u>S</u>					45			-					

								CLIENT		SIT	EN	UMBER		LO	CATION	
		U	-					PSC - Sara	Le	e		Oakland)55 Kenne Dakland, C	dy Street A 94606
Engir	neering	g, Inc.						DRILLING AND SAMPLING METH	IOD	Hand-aug S Geoprobe	ered with	d to 8 feet bgs h 5-foot long N	. Direct Aacro Co	push 6 re Clea	610 Limited Acc ar Acetate Liner	æss s.
LOG	OF SC	DIL BO	RING:			Ξ4	6			r					1	
000	RDINA	TES:						WATER LEVE	EL	⊈ 23	¥.	DRY			START	FINISH
ELE				SINC	3 :			TIME		1140					TIME	TIME
					~			DATE		3/29/07	·					
LICE	NSE N	UMBE	R: 705	927	~			REFERENCI	Ξ	GS					3/29/07	3/29/07
INC	HES	٣٩	()		10	y Lui-		SURFACE CONDITIONS			·····		4		<u> </u>	
IVEN	COVE	MPLE	ADING	PTH \$	SAMPLE	SAMPL	APHIC			tato (Asphalt		Ro	nevied by	> .
<u> </u>	 	8AI SAI	<u> </u>	ЦЭ	AIR	SOIL SOIL	<u>R</u> õ	DESCRIPTION BY:		•		T. lob		3	D Me	dy
60 24 60 60 60	6 24 60 60		0.1	1 2 3 4 5 6 7 8 10 11 11 12 13 14 15 16				SILTY CLAY, mottle SILTY CLAY, mottle SILTY CLAY, mottle brown (10YR 3/6), s Color change to dari hydrocarbon odor Change to firm Change to medium a Change to no odor	greg r, dr (10) d da oft, l < gre stiff	jate base fil y (R 2/1), me ark greenist low plasticit eenish gray	n gra y, s	lark brown (m stiff, low j ay (GLEY 5 lightly mois LEY 5GY 3/	(7.5YR ; plasticit GY 3/1) t 1), stroi	3/3), k	oose, angulai dark yellowisł troleum	n
-OAK BL.		-		17	-											
DRING SL			•	18	-											
	.			19												
106 OF			0.8	20	-	X										

	F			i					6	LIENT	SITE NUMBER	LOCATION
	Engin	eering	g, Inc.							PSC - Sara Lee	Oakland	955 Kennedy Street Oakland, CA 94606
	INC	HES	تو مر	[L ^m	Π	T	LO	G OF SOIL BORING:		
	DRIVEN	RECOVER	BLOWS / 6 SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE WATER SAMP	SOIL SAMPLE RECOVERED	GRAPHIC LOG			E46	
	60	60			21— 22—			CL	CL	AY, dark grayish brown (10	YR 4/2), medium stiff, low pl	asticity, slightly moist
					⊻ 23 24			ML/CL	SIL bro	.TY CLAY/CLAYEY SILT, m wn (10YR 3/6), soft to firm,	nottled grayish brown (10YR low plasticity, wet	5/2) and dark yellowish
	36	36	-	0.1	25— 26—				CL/ CL/ (10	AY, dark grayish brown (10 AYEY SAND, mottled dark s YR 3/6), medium dense, fin	YR 4/2), soft, low plasticity, s grayish brown (10YR 4/2) an e to coarse sand, wet	ilightly moist d dark yellowish brown
				2.2	27		X	ML	SA (10	NDY SILT, mottled dark gra IYR 3/6), soft, fine sand, we	yish brown (10YR 4/2) and o t	tark yellowish brown
					29				nea	at cement.	John g mieu anu sealeu with	a grout consisting of
					30—							
					31							
					33							
					34—							
*******					35							
					36 37							
					38—							
DT 5/10/07					39							
PJ ETIC.G					40							
L-OAK BLG					42							
BORING SI					43							
OG OF SOIL					44 45							

								CLIENT	SI	TE	NUMBER		LOCATION	
		U						PSC - Sara L	ee		Oakland		955 Kenne Oakland, C	dy Street A 94606
Engin	eering OF SC	g, Inc. NL BOI	RING:		E	Ξ4	7	DRILLING AND SAMPLING METHO	Hand-a DS Geopro	uger be w	ed to 3 feet bgs vith 5-foot long N	Direct pu lacro Core	ish 6610 Limited Acc Clear Acetate Liner	2855 5.
COOF	RDINA	TES:						WATER LEVEL	⊈ 13.2	5	▼ 9.66			
ELEV		TOP	OF CA	ASING	3:			TIME	1520)	1532		START TIME	FINISH TIME
DRILL			ANY: V	ACE: /irone	x		*****	DATE	03/28/	07	03/28/07		1500 DATE	DATE
LICEN	NSE N	UMBE	R: 705	5927	<u>т</u> т		11	REFERENCE	GS		GS		3/28/07	3/28/07
	HES NOVER	WS / 6" PLER	DING	н Н	AMPLE D CAMPLE	N JAWFLE SAMPLE VERED	PHIC	SURFACE CONDITIONS			Concrete	4	Reveneed by	ۍ. ۲
DRI	REC	BLO	REA REA	(feet	AIRS	SOIL S	LOGRA	DESCRIPTION BY:			T. lob		1 22	ees
				- 0 - 1 - 2			ONCRE ONCRE	_{FE} 7" Concrete GRAVEL (pea gravel f	ili), gray (51	Y 6/	1), loose, roui	nded grav	vel to 0.5" diamet	er, dry
24	24			- 3	1	X		CLAYEY SAND, very of coarse sand, dry	lark grayisl	h bro	own (2.5Y 3/2	!), mediur	m dense, mediun	n to
60	60		0.1	- 6 - 7 8			SC							
60			0.1	9- • 10- • 11		X	CL	SILTY CLAY, very dar medium to coarse san	< grayish bi d, slightly n	rowr nois	n (10YR 3/2), t	firm, very	y low plasticity, lit	tie
	33	84-		12	7			CLAY, very dark grayis	sh brown (1	0YF	R 3/2), firm, lo	w plastic	ity, moist	
5/11/07				- 14	-		SP	SAND, very dark gray	(5Y 3/1), io	ose	, fine to medi	um sand,	wet	
BL.GPJ ETIC.GDT			0.1	15	1			Boring terminated at 1 neat cement.	5 feet. Bor	ing t	filled and sea	led with a	a grout consisting	of
3 SL-OAK				17-										
				18										
06 0F SC				20-	-									

.

								CLIENT	SIT	ENUMBER	L(DCATION	
	┆╢╽	U	-					PSC - Sara Le	e	Oakland		955 Kenne Oakland, C	dy Street A 94606
Engi	neering	g, Inc.						DRILLING AND SAMPLING METHOD	Hand-aug S Geoprobe	ered to 4 feet bgs with 5-foot long N	Direct push 6 Aacro Core Cle	6610 Limited Acc ar Acetate Liner	cess s
LOG	OFSC	DIL BO	RING:			Ξ4	8				·····		
coc	RDINA	TES:						WATER LEVEL	⊈ 23.5	▼ 14.0			
ELE	VATION	N TOP	OF CA	ASINC	3:			TIME	1335	1345		TIME	FINISH TIME
CAS				ACE:	~~~~~			DATE	03/28/0	7 03/28/07		1315	1415
	ENSE N	UMBE	R: 705	5927	X			REFERENCE	GS	GS		3/28/07	3/28/07
INC	CHES	~e	 	1	U U	y		SURFACE CONDITIONS	.1	l	I	. N.	
VEN	COVE	MS/	DING	HLG	AMPLE	SAMPLE VFRED	OHA			Concrete	R	evered }	<i>э</i> ң:
DRI	REC	BLO	NO N	(feet	ARS	SOIL	R CR	DESCRIPTION BY:		T. lob		H A	el X
				-0-			ONCRET	- _F 8" Concrete					\sim
			1	1		ļ	1111	SILTY CLAY, black (5)	′ 2.5/1). med	liul stiff, low pla	sticity, dry		
				2									
				3-									
6	6		0.1	4		X							
60	60						CL	Color change to mottle	d dark grav (10YR 4/1) and	dark vellowi	sh brown (10)	′R
		-		5-				3/4)		,	,		
		-		- 6	$\left \right $								
				7									
				,									
				8			////// SM	SILTY SAND W/ GRAV	/EL, dark gra	yish brown (2.	5Y 4/2), loos	e, fine to coar	se
			-2.2	9		X		subrounded sand, little CLAYEY SILT, olive bro	subrounded own (2.5Y 4/	gravel to 0.25" 4), soft, moist	diameter, sl	ightly moist	
60	60	-											
		~		10			ML.						
				11									
				12									
			1.2	12		Х		SILTY CLAY, greenish	black (5GY	2.5/1), medium	stiff, low pla	sticity, slight	
	-			13	~			CLAX yop/ dark brown	odor, dry	hard your law	nloofinih (no	adar da.	
/10/01			1	T 14				CLAT, VELY UAR DOWN	(1017 2/2),	naio, very iow	piasucity, no	odor, ary	
301 5													
<u>کان</u> ۵0 لط	60		0.3	15-	1	X							
G9		~		16	$\left \right $								
8 8		-		17				Color change to mottled	l very dark b	rown (10YR 2/2	2) and dark y	ellowish brow	'n
SL-0				1,1				(1UTK 3/4)					
SRING				18									
				19									
OF S			0.1			X							
<u>څ</u>			<u> </u>	20-								W	

								CLIEN	Т	SITE NUMBER	LOCATION
Engir		G, Inc.						PS	C - Sara Lee	Oakland	955 Kennedy Street Oakland, CA 94606
INC	HES	2		l	Щ			LOG OF	SOIL BORING:	1	
DRIVEN	RECOVER	BLOWS / 6' SAMPLER	OVA READING	DEPTH (feet)	AIR SAMPLE WATER SAMPL	SOIL SAMPLE RECOVERED	GRAPHIC LOG			E48	
60	60	-		21			CL	SILTY CI	LAY, very dark browr	n (10YR 2/2), soft, low plastic	sity, slightly moist
				22			ML	CLAYEY	SILT, very dark gray	ish brown (10YR 3/2), soft, I	ow plasticity, moist
				¥ 24—		X		GRAVEL medium SANDY (LY SAND W/ LITTLE sand, subrounded gra CLAY, dark grayish b	E CLAY, very dark grayish bi avel to 0.75" diameter, mois rown (2.5Y 4/2), hard, low pl	own (2.5Y 4/2), loose, asticity, dry
			0.4	25 26			[[[]]]	Boring te cement.	rminated at 25 feet.	Boring filled and sealed with	grout consisting of neat
				27							
				28 29							
				30—							
				31 32							
				33							
				34 35							
				36							
				37							
GDT 5/10/07				39							
				40							
NG SL-OAK				42							
F SOIL BORI				44							
1000				45							

									CLIENT		SITE	NUMBER	L	OCATION	······
L		IC							PSC - Sara Le	е		Oakland		955 Kenne Oakland, C	dy Street A 94606
Engir	neering	g, Inc.							DRILLING AND SAMPLING METHOD	Ha S Ge	nd-auger	ed to 4 feet bgs. vith 5-foot long M	Direct push acro Core Cl	6610 Limited Acc ear Acetate Liner	æss s
LOG	OF SC	DIL BO	RING:		E	E 4	.9			r		1		******	
cool	RDINA	TES:							WATER LEVEL	<u>⊽</u> D	RY				
ELEV		N TOP	OF CA	ASING) :				TIME					START TIME	FINISH TIME
CASI	NG BE	ELOW	SURF	ACE:					DATE					1240	1325
	LING (4NY: \ Β· 706	/irone	х				REFERENCE				*******	- DATE 3/29/07	DATE 3/29/07
INC	HES		<u> </u>	1921	L LL	ł	T	SL	IRFACE CONDITIONS						
EN I	OVER	WS / 6 PLER	DING	I.	MPLE SAMPI	AMPLE	H H H H					Asphalt	R	enoined 1	by:
	REO	BLO! SAM	REAL	DEP ⁻ (feet)	AIR SA	SOIL S	GRA	DE	ESCRIPTION BY:			T. lob		192	ed
				- 0			ASPHAL] .T 3	" Asphalt					<u> </u>	9
			· · · ·	- 1			GM (SILTY GRAVEL (aggreg ravel to 1" diameter, dr	jate b y	ase fill),	dark brown (7	′.5YR 3/3),	loose, angular	ŕ
						-			GILIY CLAY, DIACK (10)	'R 2/1	l), medi	um stiff, low pl	asticity, dr	ý	
				- 3		-									
				4											
				5											
6	6		1.3			Д									
48	48			6				і с і ь	Color change to mottled	very	dark gra	ayish brown (1	0YR 3/2) a	nd dark yellow	ish
		-		- 7											
		-		8									. P	1	
						X			dor	enisr	i gray (GLEY 5Y 3/1, 9	slight petro	leum nydrocar	bon
			0.4	9											
			0.8	10	-	Å									
		-	[11	-				Color change to mottled rown (10YR 3/6), no oc	very lor	dark gra	ayish brown (1	0YR 3/2) a	nd dark yellowi	ish
		-		12											
				16											
				13	-										
2010				14	1										
2			 0.1	15-	-	X									
60	60														
				16) c	hange to very stiff						
L-OAK		-		17—											
				18											
		······		45											
05 80			0.4	- ¹⁹		\checkmark									
8			0.1	20-		\square		1							

									CLIENT	SITE NUMBER	LOCATION
Engir	neering	g, Inc.						With Address of the A	PSC - Sara Lee	Oakland	955 Kennedy Street Oakland, CA 94606
INC	HES	ب م			Ē			LC	G OF SOIL BORING:		
DRIVEN	RECOVEF	BLOWS / I	OVA READING	DEPTH (feet)	AIR SAMPLE WATER SAMF	SOIL SAMPLE	GRAPHIC LOG			E49	
60	60	-		21			CL	CL	.AY, dark grayish brown (10	YR 4/2), stiff, low plasticity, d	ry
		-		22			CL-ML	CL sli	AYEY SILT/ SILTY CLAY, of the second se	olive brown (2.5Y 4/3), very s	oft, low plasticity,
				23				da su	rry CLAY W/LITTLE SAN Irk yellowish brown (10YR 3/ brounded sand, trace subro	D, mottled very dark grayish t /6), soft, low plasticity, fine to unded gravel to 0.5" diameter	prown (10YR 3/2) and coarse grained r, dry
				24	1			_			
			0.1	25		Х		Ch	hange to tirm		
36	36	~						CL mo	LAYEY SILT/ SILTY CLAY, o	olive brown (2.5Y 4/3), soft, lo	w plasticity, slightly
		-		26-			CL-ML2				
		-		27				SI	LTY CLAY W/ LITTLE SAN	D mottled very dark gravish t	prown (10YR 3/2) and
			0.4			X		da	rk yellowish brown (10YR 3/	6), soft, low plasticity, fine to	coarse grained
			. 1	20		\square		Bo	pring terminated at 28 feet.	Boring filled and sealed with a	a grout consisting of
				29		-	-	Tre	ar coment,		
				20		-	-				
				30							
				31		-	-				
				22							
				52							
				33			-				
				34							
				04							
•••••••••••••••••				35		-	-				
				36							
				44							
				37—							
	ļ			38							
04				50							
5/10				39		-					
				<u>ፈበ</u>							
				-+0							
6. 				41							
AK B				42							
o-ls				42			•				
SNNG 				43							
08]				11							
OF SC							-				
<u>ဗိ</u>				45							

									CLIENT	S	ITE	NUMBER	L	OCATION	
			U	•					PSC - Sara L	e		Oakland		955 Kenne Oakland, C	dy Street A 94606
LO	gine IG Ol	ering F SO	g, Inc. IL BO	RING:		I	E5	50	DRILLING AND SAMPLING METHO	Hand-a	auger obe w	ed to 3 feet bgs. vith 5-foot long M	. Direct push lacro Core Cle	6610 Limited Acc ear Acetate Liner	ess S.
	OR	DINA	TES:						WATER LEVEL	⊻ 9.25	5	⊻ 9.5			
EL	EVA		I TOP	OF C/	ASING	3:			TIME	144(2	1450		TIME	
					ACE:				DATE	3/28/0)7	3/28/07		1430	1515
LIC		SE N		R: 705	5927	^			REFERENCE	GS		GS		3/28/07	3/28/07
EN L		OVER [©]	VS / 6" PLER	DING	L T	MPLE	AMPLE	OHIC	SURFACE CONDITIONS			Concrete	6	emailed '	b.:
DRIV		RECO	BLOV	OVA REAL	DEP1 (feet)	AIR SA	SOIL S	GRAF LOG	DESCRIPTION BY:			T. lob		NE	J.
					- 0			ONCRE	TF ⁸ " Concrete					<	3
					- 1				GRAVEL (pea gravel f dry	ll), gray (5	YR (6/1), loose, roi	unded grave	el to 0.5" diam	eter,
					2-										
			*****		3										
	• 	24	-	<u> </u>	4-	7									
			-	2.8	- 5	-	X		CLAYEY SAND, very of sand, little subrounded	ark grayis gravel to (h bro 0.75'	own (10YR 4/ " diameter, dr	1), loose, m v	edium to coars	se
60	D		**		6			VIII.		-			-		
			-	-											
		-42			1 7										
					- 8				Increase to some subr	ounded gra	avel	to 0.75" diam	eter		
					₽ 9-				Change to wet						
					10		Х		Change to wet						
60)		-		- 11		-								
			-		12										
					14				CLAY, very dark gravis	h brown (1	I0YF	R 3/2), stiff, lov	w plasticitv.	sliahtly moist	
20		-30	·····		13			<u> </u>	SAND, very dark gray	5Y 3/1), lo	ose	, fine to mediu	im sand, we	ət	
111					14			SP							
				-2.5-	15-		Х		Boring terminated at 1	feet. Bor	ing f	filled and seal	ed with a gr	out consisting	of
а Сор Сор			·		16	-	. –	-	neat cement.						
JAK BI					17										
G SL-C					4.5										
OIL BORIN					18-			~							
06 OF SI					20										

							#·		CLIENT		SITE	NUMBER		OCATION	****
	┇║╽	C	•						PSC - Sara Le	e		Oakland		955 Kenne Oakland, C	dy Street A 94606
Eng	gineering	g, Inc.							DRILLING AND	Han S Geo	d-augei probe v	red to 5 feet bgs. vith 5-foot long N	Direct push	6610 Limited Acc	xess s
LO	G OF SC	IL BO	RING:			E	51			,					
co	ORDINA	TES:							WATER LEVEL	ॼ 14	.5	x 14.3			
ELE	EVATION		OF C	ASINC	3:				TIME	16	15	1622		TIME	
CAS	SING BE	LOW	SURF	ACE:					DATE	3/28	3/07	3/28/07		1550	1640
	ILLING (ENSE N	JOMP	ANY: \ R· 70!	/irone 5927	X				REFERENCE	G	S	GS		DATE 3/28/07	DATE 3/28/07
1	NCHES			<u> </u>	Π	щ		SL	JRFACE CONDITIONS	<u> </u>					
VEN	COVER	MS/6	DING	tH 0	AMPLE	ER SAMPLE SAMPLE	VERED					Asphalt	Re	nevied by	٩
DRI	RE	SAN	S₩	(fee	AIR S	SOIL		DE	ESCRIPTION BY:			T. lob	لے ج	1) (L	red
				- 0			ASPHAI		l" Asphalt SILTY CLAY, black (5Y	R 2.5/1), med	lium stiff, low	plasticity, d	iry	0
							-\////								
60	60		01	- 5		X			Color change to mottled	very d	ark gra	ayish brown (1	0YR 4/1) a	and dark yellowi	ish
		-		- 6	-				1011(0/4), aue		neuau	n Sanu			
		-		- 7											
								s	Same as above w/ little subrounded gravel to 0.5" diameter						
				- 9	1		•*•SW*•	i c	GRAVELLY SAND, very and, subrounded grave	/ dark g	rayish " diam	brown (10YR leter slightiv r	4/1), loose	e, medium to co	barse
				- 10	-	Å		ŝ	SILTY CLAY, greenish I	olack (C	BLEY .	10Y 2.5/1), me	edium stiff,	low plasticity, o	dry
60		-	0.2	- 11				C b	Color change to mottled prown (10YR 3/4)	very d	ark gra	ayish brown (1	0YR 4/1) a	ind dark yellowi	sh
				12-					·						
2				13					Color change to dark gro	eenish	gray ((GLEY 10Y 3/1), little med	lium to coarse	sand
5/100				- ₩ 14											
			1	15-		X	MI	ິ b	CLAYEY SILT, mottled prown (10YR 3/4), soft.	dark gr low pla:	eenish sticity.	gray (GLEY [·] wet	10Y 3/1) ar	nd dark yellowis	h
표 60 고	60	-	0.5	10					SILTY CLAY, mottled ve	nudari	aravi	sh brown (10)	(P. 4(1) and	dork vollowich	
A BL.G				10				b	prown (10YR 3/4), medi	um stiff	, low p	plasticity, little	fine to med	dium sand, dry	
SL-OAI				17											
				- 18	$\left \right $										
				19				SILTY CLAY/ CLAYEY SILT (19.5-20 feet), very dark grayish brown (10YR 4/1), medium stiff, low plasticity, little fine sand, dry							
ы 2	0.6 20 X CL-ML								-ML						
۲ ۲	20-								Boring terminated at 20 feet. Boring filled and sealed with a grout consisting of neat cement.						

ſ	_									CLIENT	SITE	NUMBER		OCATION	
			U							PSC - Sara Le	e	Oakland		955 Kenne Oakland, C	dy Street A 94606
	Engin	eering	g, Inc.							DRILLING AND SAMPLING METHOD	Hand-auge	red to 4 feet bgs. with 5-foot long M	Direct push lacro Core Cl	6610 Limited Acc	xess s
	LOG	OF SC	IL BOI	ring:			E	52							
	COOF	RDINA	TES:							WATER LEVEL	<mark>⊽</mark> 19	▼ 10.25		START	FINISH
	ELEV				ASINO	9:				TIME	1425	1435		TIME	TIME
					AUE:					DATE	3/28/07	3/28/07		1410	1450
	LICEN	NSE N		R: 705	5927	x				REFERENCE	GS	GS		3/28/07	3/28/07
	INC	HES	ۍ مو		Ι		ц Ц		s	URFACE CONDITIONS	J				
	VEN	I I OVEI	MS /	DING	HLG	AMPLE	ER SAM	VERED				Concrete	R	espired!	ong:-
	DRI	REC	BLC SAN	NO N	(feel	AIR S	SOIL			ESCRIPTION BY:		T. lob		JON	eeh
					- 0	-		CONCE	RETE	8" Concrete				<	5
					- 1					SILTY CLAY, black (5Y	2.5/1), mediu	um stiff, low pla	asticity, dry	,	
								-\///							
]										
					- 3			-\///							
	,				4	-									
					_										
	48	42		1,4	1 5		X			Color change to mottled brown (10YR 3/4)	l very dark gr	ayish brown (1	0YR 4/1) a	ind dark yellow	ish
-			-		6										
-			-		7-	-									
Ī		·			- 8					Change to soft, little subrounded coarse sand					
					9										
	60	60	_		- 10	-	5	CL		Change to slightly moist	t				
				1.3			Å								
					- 11 										
					12		X			Change to very dark gre hydrocarbon odor	enish gray ((GLEY 10Y 3/1)	, no sand,	slight petroleur	n
				3.0	13	-					مريح والمحمد ومرمد	wich here of		المرابع المرابع المرابع المرابع	in h
20/0										brown (10YR 3/4), no oc	very dark gra lor, dry	ayısn brown (1	urk 4/1) a	na dark yellow	ISN
DT 5/1					- 14										
TIC.GL	15-														
SPJ E	60	60	~	2.6	- 16		X								
K BL(
SL-OA					- 17					Objective 1	- Hatel				
RING					18-	$\left\{ \right\}$				Change to medium stiff, slightly moist					
OIL BO		ļ			<u>↓</u> <u>▼</u> 19					CLAVEN SILT, your dark gravish brown (40MD 2/4), and the statistic wet					
OF SI		*****		1.3			X	ML		CLATET SILT, Very darl	k grayish bro	wn (10YR 3/1)	, soft, Iow <u>f</u>	plasticity, wet	:
ğ		<u> </u>			20-	11	Ш	, L		Boring terminated at 20	feet. Boring	filled and seal	ed with a g	rout consisting	of

APPENDIX B

SUBSURFACE INVESTIGATION DATA JANUARY 2009

Alameda County Public Works Agency - Water Resources Well Permit

PUBLIC	399 Elmhurst Street Hayward, CA 94544-139 Telephone: (510)670-6633 Fax:(51	5 0)782-1939	
Application Approved	on: 12/18/2008 By jamesy	Permit Numbers: W20 Permits Valid from 0	08-0964 to W2008-0968 1/19/2009 to 01/23/2009
Application Id: Site Location:	1229590019988 955 Kennedy Street	City of Project Site	:Oakland
Project Start Date: Requested Inspection Scheduled Inspection:	Oakland, CA 94606 01/19/2009 :01/20/2009 :01/20/2009 at 2:00 PM (Contact your inspector, V	Completion Date Vicky Hamlin at (510) 67	:01/23/2009 0-5443, to confirm.)
Applicant:	PSC Industrial Outsourcing, LP - Douglas	Phone:	618-281-1546
Property Owner: Client:	Jander 210 West Sand Bank Road, Columbia, IL 62236 Earthgrains Baking Companies, Inc. 955 Kennedy Street, Oakland, CA 94606 ** same as Property Owner **	Phone:	
	Receipt Number: WR2008-0462 Payer Name : Douglas Jander	Total Due: Total Amount Paid: Paid By: MC	\$1725.00 <u>\$1725.00</u> PAID IN FULL

Works Requesting Permits:

Specifications

Well Construction-Monitoring-Monitoring - 5 Wells Driller: Gregg Drilling & Testing, Inc. - Lic #: 485165 - Method: auger

Work Total: \$1725.00

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2008- 0964	12/18/2008	04/19/2009	DW-1	15.00 in.	6.00 in.	3.00 ft	15.00 ft
W2008- 0965	12/18/2008	04/19/2009	MW-101	8.00 in.	2.00 in.	15.00 ft	30.00 ft
W2008- 0966	12/18/2008	04/19/2009	MW-201	8.00 in.	2.00 in.	15.00 ft	30.00 ft
W2008- 0967	12/18/2008	04/19/2009	MW-301	8.00 in.	2.00 in.	15.00 ft	30.00 ft
W2008- 0968	12/18/2008	04/19/2009	MW-401	8.00 in.	2.00 in.	15.00 ft	30.00 ft

Specific Work Permit Conditions

1. 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.

2. Permitte, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.

3. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required

Alameda County Public Works Agency - Water Resources Well Permit

for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an 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.

4. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Including permit number and site map.

5. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.

6. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org 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.

7. Wells shall have a Christy box or similar structure with a locking cap or cover. Well(s) shall be kept locked at all times. Well(s) that become damaged by traffic or construction shall be repaired in a timely manner or destroyed immediately (through permit process). No well(s) shall be left in a manner to act as a conduit at any time.

8. Minimum surface seal thickness is two inches of cement grout placed by tremie

9. Minimum seal (Neat Cement seal) depth for monitoring wells is 5 feet below ground surface(BGS) or the maximum depth practicable or 20 feet.

10. 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.

								Project Eartl	ngrains Baking Companies Inc. Page DW-1 1	_{ge(s):} of 1
								Client: Sara	Project #: Lee Bakery Group, Inc. 62402797 / 024530	Date: 1/20/2009
BOF	ring	WELL (CONS	TRL	JCTI		LOG	Locatio 955	n: Coordinates: Kennedy St. Oakland, CA LAT 37.7788786 LON -122.2399987	Datum NAD 83
Drilling Greg	g Comp gg D	^{any:} r illing 8	a Testi	ng,	Inc.				Driller: Logger: Jason Weff Brendon J. Wilder	
			Blo	wC	oun	ts			WELL CONSTRUCTION SUMMARY	Surface
Depth (ft)	МРLЕ ТҮРЕ	MPLE TIME		Top 6"	Middle 6"	sottom 6"	nscs	D Readings	0 to 5 6" PVC Sch. 40 0 to 3 Type II-IV Cement 5 to 15 6" PVC 0.02" Slot Sch. 40 3 to 15 #2/12 Sand	<u>Completion</u>
	SA	SA			-			₫	Description	Mount
									Modifier and Main Soil; minor soil components, color; consistency/density, moisture, odor, staining	Vault
									Top 16" concrete	
1-									1.5' concrete slab @ \sim 2' bgs (jack-hammer used to advance boring)	1-
2-										2-
3-										3-
									FILL: Silty CLAY, with gravel, medium dense, debris includes bricks and concrete	
4-										4-
5-		10:55					*			—5-
6-	S.S.		:	3	5	5		<5		6-
_7-										7-
8-										8-
9-	99	11:00		2	1	3		83.5	Grey to dark brown, loose, wet, heavy diesel staining and odor	9-
10-	0.0.			_	•	•		00.0	With sand	10-
_10	S.S.			4	4	3		<5		
_ 1 1-		11:05							FILL: Sand, poorly graded, medium grained, dark grey, loose, wet, stained, slight	
_12-	S.S.	11:10	:	2	2	5		<5	diesel odor (appears to be old UST bedding sand)	12-
_13-		11.15								13
_14-	S.S.	11.15						<5		14-
_15-				+					Terminate @ 15' bgs on silty CLAY. Set well with 10' screen (.02" slot screen)	15-
_16-									riser and screen 6" PVC	16-
_17-										17-
_18-										18-
_19-								-		_19-
_20-										_20-
Not	tes:	Drilled I	ooreho	le u	ising	9 8" h		w-ster	augers with California Modified Split-Spoon Sampling. Brass sample tubes = 6" in length.	.
 		Soil cor	nsisted	of	till m	nater	ial fo	or the f	ull depth of the boring. Reviewed By:	
									John R. Carrow, PG	

			_	-				Project Earth	agrains Baking Companies Inc. Page MW-101 1 0	e(s): of 2			
								Client: Sara	Project #: Lee Bakery Group, Inc. 62402797 / 024530	Date: 1/19/2009			
BOI	RING	/WELL	CON	STR	UCT	ION	LOG	Locatio	n: Coordinates: Kennedy St. Oakland, CA LAT 37.7786814 LON -122.2400025	Datum NAD 83			
Drillin Gre	g Com gg D	pany: rilling ٤	& Tes	ting	, Inc				Driller: Logger: Jason Weff Brendon J. Wilder				
			В	low (Coun I	ts	-		WELL CONSTRUCTION SUMMARY	Surface			
epth (ft)	PLE TYPE	IPLE TIME		Top 6"	iddle 6"	ottom 6"	lscs	Readings	O to 18 2" PVC Sch. 40 0 to 14 Type II-IV Cement 18 to 28 2" PVC 0.01" Slot Sch. 40 14 16 3/8" Bentonite Chips 16 to 28 #2/12 Sand #2/12 Sand	<u>Completion</u>			
ă	SAM	SAM			Σ	ğ		DID	Description	Flush			
									Modifier and Main Soil; minor soil components, color; consistency/density, moisture, odor, staining	Vault			
									Top 1" concrete				
1-									Air knifed/hand augered to 5' below ground surface in pea gravel/fill.	1-			
2-										2-			
3-	3-												
4-										4-			
5-		10:30							Silty CLAY; trace sand, mottled dark brown (5YR 2.5/1)/dark grey (7.5 YR 4/1),	5-			
6-	S.S.			3	4	5	CL	<5	soft to firm, damp, no petroleum odor.	6-			
7-										7-			
				-									
8-		10.05								8-			
9-	S.S.	10:35		4	6	6	CL	<5	Some sand, firm, no petroleum odor.	9-			
_10-										_10-			
11-										11-			
-''													
_12-										12-			
_13-										13-			
_14-	e e	10:40		5	5	6		-5		_14-			
15-	3.3.			,	J	Ū		< 3		15-			
_16-										16			
_17-										17-			
_18-		10.50							Sandy CI AY : some gravel (3/8"-1"), dark grey (7.5VR 5/4), soft moist to wat, no	18			
10.	S.S.	10:50		4	4	5	CL	<5	petroleum odor, water @ approximately 18.5 bgs.	19-			
_ 9-													
_20-										20-			
No	tes:	Drilled	boreł	nole	using	g 8" ł	hollov	<i>w</i> -sten	n augers with California Modified Split-Spoon Sampling. Brass sample tubes = 6" in length.				
	Reviewed By: John R. Carrow, PG												

								Project: Earth	Boring No.: Page Agrains Baking Companies Inc. MW-101 2 o	(s): f 2		
ſ								Client:	Project #: Loo Pakery Group Inc. 62402797 / 024520	Date:		
								Locatio	n: Coordinates:	Datum		
BOH	RING	WELL	CON	SIR	UCI	ION	LOG	955 H	Kennedy St. Oakland, CA LAT 37.7786814 LON -122.2400025	NAD 83		
Gre	g Comp gg D	ممين rilling ٤	& Tes	sting	, Inc				Jason Weff Brendon J. Wilder			
			В	low (Coun	ts			WELL CONSTRUCTION SUMMARY			
	щ	щ						s	Depth (ft) Casing and Screen Depth (ft) Annulus Depth (ft) Casing and Screen Depth (ft) Trace III IV Operations	<u>Surface</u>		
(ft) ר	ΞT	AIT II		9	e 6"	m 6'	S	adinç	0 10 18 2 PVC Sch. 40 0 10 14 Type II-IV Cement 18 to 28 2" PVC 0.01" Slot Sch. 40 14 16 3/8" Bentonite Chips			
Deptl	MPLI	MPL		Top	lidd	otto	NS	D Re	16 to 28 #2/12 Sand			
	SA	SA			2	•		Ч	Description	Flush		
									Modifier and Main Soil; minor soil components, color; consistency/density, moisture, odor, staining	Vault		
							CL		Sandy CLAY; some gravel (3/8"-1"), dark grey (7.5YR 5/4), firm, moist to wet,	-		
_21-									no petroleum odor.	21-		
22-										22-		
_												
_23-		40.55							City OLAV some could come another deals business (CV/D O.C.(1) firms to stiff, down			
_24-	S.S.	10:55		5	5	5	CL	<5	no petroleum odor.	24-		
25-				_	_	-				25-		
_==0												
_26-										_26-		
_27-	66	11:00		4	7	10	CI	-5	Mottled dark brown (5YR 2.5/1)/dark grey (7.5YR 5/4), stiff, moist, no petroleum odor.	27-		
28-	3.3.			-	1	10	OL.	?		28-		
									Terminate borehole at 28' bgs @ 11:00.			
_29-										_29-		
_30-										30-		
_31-										31-		
_32-										32-		
_33-										_33-		
_34-										34-		
_35-										_35-		
_36-										_36-		
_37-										37-		
_38-										38-		
_39-										39-		
_40-										40-		
Not	es:	Drilled	borel	hole i	using	l 9 8" ł	nollov	v-sten	augers with California Modified Split-Spoon Sampling. Brass sample tubes = 6" in length.			
 	Beviewed By:											
									John R. Carrow, PG			

								Project Eartl	ngrains Baking Companies Inc. Page MW-102 1 o	e(s): f 2			
								Client: Sara	Project #: Lee Bakery Group, Inc. 62402797 / 024530	Date: 1/20/2009			
BOF	RING	/WELL	CON	STR	υст	ION	LOG	Locatio 955	n: Coordinates: Kennedy St. Oakland, CA LAT 37.7789004 LON -122.2400355	Datum NAD 83			
Drillin Gre	g Comp gg D i	^{nany:} rilling 8	k Tes	sting	, Inc			•	Driller: Logger: Jason Weff Brendon J. Wilder				
oth (ft)	LE TYPE	LE TIME	В	low (Idle 6"	uts 9 mot	scs	Readings	Depth (ft) Casing and Screen Depth (ft) Annulus 0 to 18 2" PVC Sch. 40 0 to 14 Type II-IV Cement 18 to 28 2" PVC 0.01" Slot Sch. 40 14 to 16 3/8" Bentonite Chips	<u>Surface</u> <u>Completion</u>			
Der	SAMP	SAMP		ř	Mic	Bot	n	PID F		Flush			
									Description Modifier and Main Soil; minor soil components, color; consistency/density, moisture, odor, staining	Mount Vault			
									Top 14" concrete				
1-									Air knifed/hand augered to 5' below ground surface. Drilled borehole using 8" hollow-	1-1-			
2-									stem augers with California Modified Split-Spoon Sampling.	2-			
3-										3-			
_4-	4-												
5-										5-			
	s.s.	9:30	4	5	7		CL	<5	Silty CLAY ; very dark greyish-brown (2.5 YR 3/2), mottled dark yellowish brown (10 YR 3/4), soft to medium stiff, damp.				
6-										0-			
7-										7-			
8-										8-			
9-	S.S.	9:35	3	4	5		CL	<5	Coarse-grained angular sand, dark brown (5 YR 3/1), stiff, moist.	9-			
_10-										_10-			
11-										- 11-			
12-										12			
_12													
_13-		9.40							With less silt % medium stiff moist to very moist	13-			
_14-	S.S.	0.40	5	7	7		CL	<5		14			
_15-										_15-			
_16-										16-			
_17-										17-			
18-						ļ		 		18-			
10	S.S.	9:45	3	6	6		CL	<5	Sandy CLAY ; dark brown mottled dark grey (5 YR 5/1), stiff, moist, no odor.				
_19-										-19-			
_20-						+				20-			
No	tes:	Brass s	amp	le tu	bes =	= 6" i	n len	gth. S	Sand #2/12 Monterey 50# bags:5.5. Type II-IV cement 94# bags. Bentonite chips 3/8" 50 lbs	bags.			
E									Reviewed By: John R. Carrow, PG				

								Project: Earth	ngrains Baking Companies Inc. Pa MW-102 2	ige(s): of 2			
								^{Client:} Sara	Lee Bakery Group, Inc. Project #: 62402797 / 024530	Date: 1/20	/200	9	
во	RING	WELL (CON	STR	UCT	ION	LOG	Locatio	n: Coordinates:	Datum	83		
Drillin	g Comp	oany:						900 F	Driller: Logger:		03		
Gre	gg D	rilling 8	Tes	sting	, Inc				Jason Weff Brendon J. Wilder				
			В	low (Coun	ts	-		WELL CONSTRUCTION SUMMARY				
	/PE	ME			ŧ.,	50		sbu	0 to 18 2" PVC Sch. 40 0 to 14 Type II-IV Cement		Cc	mple	<u>se</u> tion
th (ft	ГШ	LΕ Π		b 6"	dle 6	om 6	scs	eadin	18 to 28 2" PVC 0.01" Slot Sch. 40 14 to 16 3/8" Bentonite Chips	;			
Dep	AMPI	AMP		10	Mide	Bott	ň	A DIC	16 to 28 #2/12 Sand		F	luck	1
	S	S							Description		N	loun	' it
									Modifier and Main Soil; minor soil components, color; consistency/density, moisture, odor, staining		١	/ault	t
							CL		moist. no odor.				-
_21-										21-			_
_22-										22-			-
23-										23-]
_==0		9.50											-
_24-	S.S.	9.50	3	5	6		CL	<5		24-			-
25-						L				25-			_
_													-
_26-										26-			
_27-	e e	10:00	٥	7	6		сD	-5	Gravelly SAND , some fines, medium brown (5 YR 4/2), medium dense, wet, no	27-			-
~~	3.3.		9	'	0		эг	<0					-
_28-						<u>+</u>			Terminate borehole at 28' bgs @ 10:00	28-			
_29-										29-			
30-													
31-										31-			
- 32-													
33-										33-			
34-										34-			
_35-										35-			
_36-										36-			
_37-										37-			
_38-										38-			
_39-										39-			
_40-										40-			
No	tes:	Brass s	amp	le tul	bes =	= 6" i	in len	gth. S	Sand #2/12 Monterey 50# bags:5.5. Type II-IV cement 94# bags. Bentonite chips 3/8" 50 lb	os bags			
	Reviewed By:												

			_					Project Eartl	igrains Baking Companies Inc.	Boring No.: Pa MW-103 1	age(s): of 2			
								Client: Sara	Lee Bakery Group, Inc.	Project #: 62402797 / 024530	Date: 1/19/2009			
BOF	RING	/WELL	CON	STR	UCT		LOG	Location 955	n: Coordinates: Kennedy St. Oakland, CA LAT 37.7789	437 LON -122.2399131	Datum NAD 83			
Drillin Gre	g Comp gg D i	^{bany:} rilling 8	Tes	sting	, Inc			-	Driller: Logg Jason Weff Bre	endon J. Wilder				
			В	low (Coun	ts	ŀ		WELL CONSTRUCTION S	UMMARY	Surface			
£	ΥPE	IME		-		9		SÔL	0 to 10 2" PVC Sch. 40 0 to 6	Type II-IV Cement	Completion			
pth (f	LET	LE T		op 6'	ddle	ttom	scs	Seadin	10 to 25 2" PVC 0.01" Sch. 40 6 to 8	3/8" Bentonite Chips #2/12 Sand	3			
De	SAMF	SAMF		Т	Mi	Bo		PID		<u></u>	Flush			
									Description Modifier and Main Soil: minor soil components. color: consistency/density. moisture. odor. s	staining	Mount Vault			
									Top 1' concrete	J				
1-									Air knifed/hand augered to 5' below ground surface. Drilled bore	hole using 8" hollow-	1-			
_2-	_2													
3-	_3													
0														
4-	44-													
5-									Silty CLAY; trace sand, dark brown (5 YR 2.5/1), mottled grey (7	.5 YR 5/1), soft to	5-			
6-	S.S.	13:15	4	5	5		CL	<5	firm, damp		6-			
7-											7			
'														
8-											8-			
9-	S.S.		2	2	3			<5	Sandy, very soft, wet		—9-			
_10-		13:20									10			
11-														
_' ' '														
_12-							SM		Silty SAND, dark brown (5 YR 2.5/1), loose, wet, no petroleum o	dor	12-			
_13-											13			
_14-	66	12.25	2	1	0			~E	NO RECOVERY		14			
15-	3.3.	13.23	۷		0		<u> </u>	<၁			15-			
_'														
_16-											16			
_17-											17			
_18-									Sandy CLAV: some gravel (sub angular), dark brown (5 VD 2 5/	1) stiff to bard wot	18			
19-	S.S.	13:30	5	8	14		CL	<5	Candy ULMI, Some graver (Sub-angular), Udik Drown (STR 2.3/		19-			
_20-											20-			
Not	otes: Brass sample tubes = 6" in length. Sand #2/12 Monterey 50# bags:5.5. Type II-IV cement 94# bags. Bentonite chips 3/8" 50 lbs bags.													
	Reviewed By:													
									John R. Carrow, PG					
Project: Boring No.: Page(s Earthgrains Baking Companies Inc. MW-103 2 of								(s): f 2						
--	-----------------------	-------------------------------	-----	--------	-----------	----------	-------	-----------------	---	---------------	-----------------------	---------------------		
G								Client:	Project #:	Date:				
								Sara Locatio	Lee Bakery Group, Inc. 62402797 / 024530 n: Coordinates:	1/19 Datum	/20 1	09		
BOH	ING	WELL	CON	SIR	UCII	ION	LOG	955 H	Kennedy St. Oakland, CA LAT 37.7789437 LON -122.2399131	NAD 83				
Drilling Gree	g Comp aa D	^{bany:} rillina 8	Tes	stina	. Inc.				Driller: Logger: Jason Weff Brendon J. Wilder					
		<u> </u>	В	low (Coun	ts			WELL CONSTRUCTION SUMMARY					
Depth (ft)	MPLE TYPE	MPLE TIME		Top 6"	Aiddle 6"	ottom 6"	nscs	D Readings	Depth (ft)Casing and ScreenDepth (ft)Annulus0to102" PVC Sch. 400to6Type II-IV Cement10to252" PVC 0.01" Sch. 406to83/8" Bentonite Chips8to25#2/12 Sand	_	<u>8</u> <u>Co</u>	Jurface mpletion		
	SA	S₽			-	•		료	Description			⊢lush Mount		
									Modifier and Main Soil; minor soil components, color; consistency/density, moisture, odor, staining			Vault		
_21-									Sandy CLAY ; some gravel (sub-angular), dark brown (5 YR 2.5/1), stiff to hard, wet.	21-				
22-										22-				
_23-									Crovelly CAND sub-angular grouple up to 1", dense, maist, no patroloum oder	23-				
_24-	S.S.	13:40	10	15	25			<5	Gravelly SAND, sub-angular gravels up to T, dense, moist, no petroleum odor.	_24-				
_25-									Terminate borehole at 25' bgs @ 13:40, 15' PVC screen with .010 slot, 10' PVC riser.	_25-				
_26-										_26-				
_27-										_27-				
_28-										_28-				
_29-										_29-				
_30-										30-				
_31-										31-				
_32- _32-										32- 32-				
_34-										34				
_35-										_35-				
_36-										36-				
_37-										_37-				
_38-										_38-				
_39-										_39-				
_40-										_40-				
Not	es:	Brass s	amp	le tuk	oes =	= 6" i	n len	gth. S	and #2/12 Monterey 50# bags:5.5. Type II-IV cement 94# bags. Bentonite chips 3/8" 50 lbs b	bags.				
Reviewed By: John R. Carrow, PG														

Project: Earthgrains Baking Companies Inc. MW-104									^{ge(s):} of 2		
								Client: Sara	Lee Bakery Group, Inc. 62402797 / 024530	Date: 1/20/2009	
BOR	RING	WELL (CON	STR	ист	ION	LOG	Locatio	n: Coordinates: Kennedy St. Oakland, CA LAT 37.7788276 LON -122.2399077	Datum NAD 83	
Drilling Greç	g Comp gg D	^{any:} rilling 8	k Tes	ting	, Inc				Driller: Logger: Jason Weff Brendon J. Wilder		
			В	low (Coun	ts			WELL CONSTRUCTION SUMMARY Depth (ft) Casing and Screen Depth (ft) Annulus	Surface	
(f	ΥPE	IIME		=	9	.9		sbu	0 to 10 2" PVC Sch. 40 0 to 6 Type II-IV Cement	Completion	
epth (PLE 1	PLE 1		lop 6	iddle	ottom	SSC	Read	10 to 25 2" PVC 0.01" Sch. 40 6 to 8 3/8" Bentonite Chips 8 to 25 #2/12 Sand	_	
ă	SAM	SAM		-	Σ	B		PID		Flush	
									Modifier and Main Soil; minor soil components, color; consistency/density, moisture, odor, staining	Vault	
									Top 1' concrete		
1-									Air knifed/hand augered to 5' below ground surface in remorked native fill. Drilled	1-	
_2-									borehole using 8" hollow-stem augers with California Modified Split-Spoon Sampling	2-	
3-										3-	
4-											
5-		7.50	4	•	_		CL		Silty CLAY ; some sand, trace gravel, medium brown (7.5 YR 3/3), mottled grey	5-	
6-	S.S.	7:50	•	2	5			<5	(10 YR 4/2), medium stiff, moist	6-	
7-										7-	
8-										8-	
۰ ۵									No sand, no gravel.		
	S.S.	7:55	2	2	3			<5	Change to very dark greenish-grey (GLEY 1 2.5/1) Moist and stiff		
_10-										10-	
_11-										11	
_12-										12	
_13-										13	
14-									Change to mottled dark grey (10 YR 4/2) and dark yellowish brown (10 YR 3/4) stiff	14-	
-'-	S.S.	8:00	3	4	6			<5	to hard and moist.		
_15-							1			15	
_16-										16-	
_17-										17	
18-											
10	S.S.	8:10	6	11	12		GC	<5	Mottled dark grey (10 YR 4/2) and dark yellowish brown, dense, moist	10	
_19-										-19-	
_20-										20-	
Not	tes:	Brass s	amp	le tub	oes =	= 6" i	n len	gth. S	Sand #2/12 Monterey 50# bags:5.5. Type II-IV cement 94# bags. Bentonite chips 3/8" 50 lb	s bags.	
Reviewed By:											

Project: Boring No.: Page(s): Earthgrains Baking Companies Inc. MW-104 2 of 2									_{ge(s):} of 2				
								Client: Sara	Project #: Lee Bakery Group, Inc. 62402797 / 024530	Date: 1/20/	/2009		
BOF	RING	WELL	CON	STR	υст	ION	LOG	Locatio 955 P	n: Coordinates: Kennedy St. Oakland, CA LAT 37.7788276 LON -122.2399077	Datum NAD	Datum NAD 83		
Drillin Gre	g Comp aa D	any: rilling 8	Tes	stina	. Inc			8	Driller: Logger: Jason Weff Brendon J. Wilder	I			
	99 -	g c	В	low (Coun	ts			WELL CONSTRUCTION SUMMARY				
	ш	ш							Depth (ft) Casing and Screen Depth (ft) Annulus		<u>Su</u>	rface	
(#	: ТҮР	TIM		9	e 6"	n 6"	ĸ	adings	0 to 10 2" PVC Sch. 40 0 to 6 Type II-IV Cement		Com	pletion	
Depth	MPLE	MPLE		Top	iddl	ottor	nsc	D Rea	8 to 25 #2/12 Sand				
	SAI	SA			≥	ñ		E	Description		Flu	ush	
									Description Modifier and Main Soil; minor soil components, color; consistency/density, moisture, odor, staining		IVIC Va	ault	
							GC		Clayey GRAVEL; with sand, dark greyish brown	_			
_21-									Mottled dark grey (10 YR 4/2) and dark yellowish brown, dense, moist.	21-	_		
22-										22-			
_										_	_		
_23-										23-			
_24-	S.S.	8:15	3	4	5			<5		24-			
_25-									Terminate borehole at 25' bgs @ 8:20, 15' PVC screen with .010 slot, 10' PVC riser.	25-			
_26-										_26-			
_27-										27-			
28-										28-			
_29-										29-			
_30-										30-			
_31-										31-			
_32-										32-			
_33-										_33-			
_34-										_34-			
_35-										_35-			
_36-										36-			
_37-										37-			
_38-										38-			
_39-										39-			
_40-										40-			
No	tes:	Brass s	amp	le tul	es =	= 6" i	n len	gth. S	Sand #2/12 Monterey 50# bags:5.5. Type II-IV cement 94# bags. Bentonite chips 3/8" 50 lbs	s bags.			
	Reviewed By: John R. Carrow, PG												

Test #1



Feet H2O













955 Kennedy St. Oakland, CA

											T				T
POINT	NORTHING	EASTING	LATTITUDE	LONGITUDE	ELEVATION	ELEVATION	DESCRIPTION	GPS	ACCURACY	HORZ.	COMPANY	FOLIP	DATE		CLASS
NO.	NAD83	NAD83			CASING	VAULT		CODE	CENTIMETER	CODE		Eddin .	BATE	CODE	ULAGO
26	2110743.94	6058825.00	37.7788786	-122.2399987	14.05	14 49	DW/-1	PTK	0.30	NAD92		1.500			
29	2110672.15	6058822.58	37.7786814	-122.2400025	13.90	14.18	MW-101	RTK	0.30	NAD83	PLS SURVEYS INC.	L530	01/28/09	DIG	MW
27	2110752.08	6058814.51	37.7789004	-122.2400355	14.19	14.44	MW-102	RTK	0.30	NAD83	PLS SURVEYS INC.	L530	01/28/09	DIG	MW
24	2110767.19	6058850.19	37.7789437	-122.2399131	13.75	14.16	MW-103	RTK	0.30	NAD83	PLS SURVEYS INC.	L530	01/28/09	DIG	MW
20	2110/24.87	0008850.97	37.7788276	-122.2399077	13.65	14.09	MW-104	RTK	0.30	NAD83	PLS SURVEYS INC.	L530	01/28/09	DIG	MW



Elevation Datum NAVD 88

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STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

STATE OF CALIFORNIA DWR WELL COMPLETION REPORT (WELL LOGS)

APPENDIX C

SOIL SAMPLE ANALYTICAL DATA JANUARY 2009



Scott Jander Philip Services Corp 210 W Sand Bank Road Columbia, IL 62236

Subject : 27 Soil Samples Project Name : Earthgrains Oakland, CA Project Number : 62402797

Dear Mr. Jander,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

ni l bel Kiff



Subject :27 Soil SamplesProject Name :Earthgrains Oakland, CAProject Number :62402797

Case Narrative

Matrix Spike/Matrix Spike Duplicate results associated with samples DW-1 (5-6.5), DW-1 (8.5-10), DW-1 (10-11.5), DW-1 (11.5-13.0), DW-1 (13.5-15.0), DRUM COMPOSITE, and DRUM COMPOSITE DW-1 for the analyte TPH as Diesel were affected by the analyte concentrations already present in the un-spiked sample.



Project Name : Earthgrains Oakland, CA Project Number : 62402797

Sample : MW-101 (5-6.5)	Matrix : S	Soil	Lab Number : 66979-01			
Sample Date :01/19/2009 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed	
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/22/2009	
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/22/2009	
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/22/2009	
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/22/2009	
1,2-Dichloroethane-d4 (Surr)	106		% Recovery	EPA 8260B	01/22/2009	
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	01/22/2009	
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	01/24/2009	
Octacosane (Diesel Surrogate)	79.8		% Recovery	M EPA 8015	01/24/2009	



Project Name :	Earthgrains Oakland, CA
Project Number :	62402797

Sample : MW-101 (8.5-10)	Matrix : S	Soil	Lab Number : 66979-02		
Sample Date :01/19/2009 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/22/2009
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/22/2009
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/22/2009
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/22/2009
1,2-Dichloroethane-d4 (Surr)	107		% Recovery	EPA 8260B	01/22/2009
Toluene - d8 (Surr)	95.3		% Recovery	EPA 8260B	01/22/2009
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	01/24/2009
Octacosane (Diesel Surrogate)	97.4		% Recovery	M EPA 8015	01/24/2009



Sample : MW-101 (13.5-15.0)		Matrix : S	Soil	Lab Number : 66979-03		
Sample Date :01/19/2009 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed	
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009	
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009	
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009	
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009	
1,2-Dichloroethane-d4 (Surr)	105		% Recovery	EPA 8260B	01/23/2009	
Toluene - d8 (Surr)	117		% Recovery	EPA 8260B	01/23/2009	
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	01/24/2009	
Octacosane (Diesel Surrogate)	89.3		% Recovery	M EPA 8015	01/24/2009	



Sample : MW-101 (18.5-20.0)		Matrix : S	Soil	Lab Number : 66979-04			
Sample Date :01/19/2009 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed		
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009		
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009		
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009		
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009		
1,2-Dichloroethane-d4 (Surr)	99.8		% Recovery	EPA 8260B	01/23/2009		
Toluene - d8 (Surr)	92.3		% Recovery	EPA 8260B	01/23/2009		
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	01/24/2009		
Octacosane (Diesel Surrogate)	94.1		% Recovery	M EPA 8015	01/24/2009		



Sample : MW-101 (23.5-25.0)	Matrix : S	Soil	Lab Number : 66979-05			
Sample Date :01/19/2009 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed	
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009	
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009	
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009	
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009	
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	01/23/2009	
Toluene - d8 (Surr)	96.4		% Recovery	EPA 8260B	01/23/2009	
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	01/24/2009	
Octacosane (Diesel Surrogate)	101		% Recovery	M EPA 8015	01/24/2009	



Sample : MW-101 (26.5-28.0)		Matrix : S	Soil	Lab Number : 66979-06			
Sample Date :01/19/2009 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed		
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009		
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009		
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009		
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009		
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	01/23/2009		
Toluene - d8 (Surr)	97.7		% Recovery	EPA 8260B	01/23/2009		
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	01/24/2009		
Octacosane (Diesel Surrogate)	91.7		% Recovery	M EPA 8015	01/24/2009		



Project Name : Earthgrains Oakland, CA Project Number : 62402797

Sample : MW-102 (5-6.5)	Matrix : S	Soil	Lab Number : 66979-07			
Sample Date :01/20/2009 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed	
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009	
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009	
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009	
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009	
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	01/23/2009	
Toluene - d8 (Surr)	90.9		% Recovery	EPA 8260B	01/23/2009	
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	01/24/2009	
Octacosane (Diesel Surrogate)	102		% Recovery	M EPA 8015	01/24/2009	



Project Name : Earthgrains Oakland, CA Project Number : 62402797

Sample : MW-102 (8.5-10)	Matrix : Soil		Lab Number : 66979-08		
Sample Date :01/20/2009 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009
1,2-Dichloroethane-d4 (Surr)	107		% Recovery	EPA 8260B	01/23/2009
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	01/23/2009
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	01/23/2009
Octacosane (Diesel Surrogate)	92.1		% Recovery	M EPA 8015	01/23/2009



Sample : MW-102 (13.5-15.0)		Matrix : Soil			Lab Number : 66979-09	
Sample Date :01/20/2009 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed	
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009	
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009	
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009	
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009	
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	01/23/2009	
Toluene - d8 (Surr)	95.9		% Recovery	EPA 8260B	01/23/2009	
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	01/26/2009	
Octacosane (Diesel Surrogate)	74.3		% Recovery	M EPA 8015	01/26/2009	



Sample : MW-102 (18.5-20.0)		Matrix : Soil		Lab Number : 66979-10	
Sample Date :01/20/2009 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009
1,2-Dichloroethane-d4 (Surr)	105		% Recovery	EPA 8260B	01/23/2009
Toluene - d8 (Surr)	92.8		% Recovery	EPA 8260B	01/23/2009
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	01/26/2009
Octacosane (Diesel Surrogate)	87.1		% Recovery	M EPA 8015	01/26/2009



Sample : MW-102 (23.5-25.0)		Matrix : Soil			Lab Number : 66979-11	
Sample Date :01/20/2009 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed	
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009	
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009	
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009	
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009	
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	01/23/2009	
Toluene - d8 (Surr)	96.8		% Recovery	EPA 8260B	01/23/2009	
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	01/26/2009	
Octacosane (Diesel Surrogate)	90.1		% Recovery	M EPA 8015	01/26/2009	



Sample : MW-102 (26.5-28.0)		Matrix : S	Soil	Lab Number : 66979-12		
Sample Date :01/20/2009 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed	
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009	
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009	
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009	
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009	
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	01/23/2009	
Toluene - d8 (Surr)	96.3		% Recovery	EPA 8260B	01/23/2009	
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	01/26/2009	
Octacosane (Diesel Surrogate)	88.3		% Recovery	M EPA 8015	01/26/2009	



Project Name : Earthgrains Oakland, CA Project Number : 62402797

Sample : MW-103 (5-6.5)		Matrix : S	Soil	Lab Number : 66979-13	
Sample Date :01/19/2009 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene Toluene Ethylbenzene Total Xylenes	< 0.0050 < 0.0050 < 0.0050 < 0.0050	0.0050 0.0050 0.0050 0.0050	mg/Kg mg/Kg mg/Kg mg/Kg	EPA 8260B EPA 8260B EPA 8260B EPA 8260B	01/22/2009 01/22/2009 01/22/2009 01/22/2009
1,2-Dichloroethane-d4 (Surr) Toluene - d8 (Surr) TPH as Diesel	96.5 101 < 1.0	1.0	% Recovery % Recovery mg/Kg	EPA 8260B EPA 8260B M EPA 8015	01/22/2009 01/22/2009 01/26/2009
Octacosane (Diesel Surrogate)	89.8		% Recovery	M EPA 8015	01/26/2009



Project Name : Earthgrains Oakland, CA Project Number : 62402797

Sample : MW-103 (8.5-10)		Matrix : Soil		Lab Number : 66979-14	
Sample Date :01/19/2009 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/22/2009
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/22/2009
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/22/2009
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/22/2009
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	01/22/2009
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	01/22/2009
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	01/26/2009
Octacosane (Diesel Surrogate)	98.9		% Recovery	M EPA 8015	01/26/2009



Sample : MW-103 (18.5-20.0)		Matrix : Soil			Lab Number : 66979-15	
Sample Date :01/19/2009 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed	
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/22/2009	
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/22/2009	
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/22/2009	
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/22/2009	
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	01/22/2009	
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	01/22/2009	
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	01/26/2009	
Octacosane (Diesel Surrogate)	92.9		% Recovery	M EPA 8015	01/26/2009	



Sample : MW-103 (23.5-25.0)		Matrix : S	Soil	Lab Number : 66979-16	
Sample Date :01/19/2009 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/22/2009
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/22/2009
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/22/2009
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/22/2009
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	01/22/2009
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	01/22/2009
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	01/26/2009
Octacosane (Diesel Surrogate)	89.4		% Recovery	M EPA 8015	01/26/2009



Sample : MW-104 (5-6.5)		Matrix : Soil		Lab Number : 66979-17	
Sample Date :01/20/2009					
Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/22/2009
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/22/2009
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/22/2009
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/22/2009
1,2-Dichloroethane-d4 (Surr)	108		% Recovery	EPA 8260B	01/22/2009
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	01/22/2009
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	01/24/2009
Octacosane (Diesel Surrogate)	96.7		% Recovery	M EPA 8015	01/24/2009


Sample : MW-104 (8.5-10)		Matrix : S	Soil	Lab Number : 66979-18	
Sample Date :01/20/2009 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene Toluene Ethylbenzene Total Xylenes	< 0.0050 < 0.0050 < 0.0050 < 0.0050	0.0050 0.0050 0.0050 0.0050	mg/Kg mg/Kg mg/Kg mg/Kg	EPA 8260B EPA 8260B EPA 8260B EPA 8260B	01/23/2009 01/23/2009 01/23/2009 01/23/2009
1,2-Dichloroethane-d4 (Surr) Toluene - d8 (Surr) TPH as Diesel	95.6 101 370	1.0	% Recovery % Recovery mg/Kg	EPA 8260B EPA 8260B M EPA 8015	01/23/2009 01/23/2009 01/24/2009
Octacosane (Diesel Surrogate)	105		% Recovery	M EPA 8015	01/24/2009



Sample : MW-104 (13.5-15.0)		Matrix : S	Soil	Lab Number : 66979-19	
Sample Date :01/20/2009 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/22/2009
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/22/2009
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/22/2009
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/22/2009
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	01/22/2009
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	01/22/2009
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	01/24/2009
Octacosane (Diesel Surrogate)	97.1		% Recovery	M EPA 8015	01/24/2009



Sample : MW-104 (18.5-20.0)		Matrix : S	Soil	Lab Number : 66979-20	
Sample Date :01/20/2009 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/22/2009
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/22/2009
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/22/2009
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/22/2009
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	01/22/2009
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	01/22/2009
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	01/24/2009
Octacosane (Diesel Surrogate)	95.6		% Recovery	M EPA 8015	01/24/2009



Project Name : Earthgrains Oakland, CA Project Number : 62402797

Sample : DW-1 (5-6.5)		Matrix : S	Soil	Lab Number : 66979-21	
Sample Date :01/20/2009	Measured	Method Reporting	1.1.5.1.5	Analysis	Date
Parameter	value	Limit	Units	Method	Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009
1,2-Dichloroethane-d4 (Surr)	98.6		% Recovery	EPA 8260B	01/23/2009
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	01/23/2009
TPH as Diesel (Note: Hydrocarbons are higher-boiling t	53 han typical Dies	2.0 el Fuel.)	mg/Kg	M EPA 8015	01/28/2009
Octacosane (Diesel Surrogate)	114		% Recovery	M EPA 8015	01/28/2009



Sample : DW-1 (8.5-10)		Matrix : Soil		Lab Number : 66979-22	
Sample Date :01/20/2009 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/24/2009
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/24/2009
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/24/2009
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/24/2009
1,2-Dichloroethane-d4 (Surr)	97.1		% Recovery	EPA 8260B	01/24/2009
Toluene - d8 (Surr)	91.5		% Recovery	EPA 8260B	01/24/2009
TPH as Diesel	1700	20	mg/Kg	M EPA 8015	01/24/2009
Octacosane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	01/24/2009



Project Name :Earthgrains Oakland, CAProject Number :62402797

Sample : DW-1 (10-11.5)		Matrix : Soil		Lab Number : 66979-23	
Sample Date :01/20/2009 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009
1,2-Dichloroethane-d4 (Surr)	96.2		% Recovery	EPA 8260B	01/23/2009
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	01/23/2009
TPH as Diesel	16	1.0	mg/Kg	M EPA 8015	01/27/2009
Octacosane (Diesel Surrogate)	102		% Recovery	M EPA 8015	01/27/2009



Sample : DW-1 (11.5-13.0)		Matrix : Soil		Lab Number : 66979-24	
Sample Date :01/20/2009 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	01/23/2009
Toluene - d8 (Surr)	103		% Recovery	EPA 8260B	01/23/2009
TPH as Diesel	8.4	1.0	mg/Kg	M EPA 8015	01/24/2009
Octacosane (Diesel Surrogate)	110		% Recovery	M EPA 8015	01/24/2009



Project Name : Earthgrains Oakland, CA Project Number : 62402797

Sample : DW-1 (13.5-15.0)		Matrix : Soil		Lab Number : 66979-25	
Sample Date :01/20/2009 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009
1,2-Dichloroethane-d4 (Surr)	106		% Recovery	EPA 8260B	01/23/2009
Toluene - d8 (Surr)	99.7		% Recovery	EPA 8260B	01/23/2009
TPH as Diesel	2.0	1.0	mg/Kg	M EPA 8015	01/26/2009
Octacosane (Diesel Surrogate)	96.0		% Recovery	M EPA 8015	01/26/2009



Sample : DRUM COMPOSITE		Matrix : Soil		Lab Number : 66979-26	
Sample Date :01/20/2009 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/24/2009
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/24/2009
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/24/2009
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/24/2009
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	01/24/2009
Toluene - d8 (Surr)	108		% Recovery	EPA 8260B	01/24/2009
TPH as Diesel (Note: Hydrocarbons are higher-boiling	1.2 than typical Diese	1.0 el Fuel.)	mg/Kg	M EPA 8015	01/26/2009
Octacosane (Diesel Surrogate)	107		% Recovery	M EPA 8015	01/26/2009



Sample : DRUM COMPOSITE DW-1		Matrix : S	Soil	Lab Number : 66979-27	
Sample Date :01/20/2009 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/24/2009
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/24/2009
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/24/2009
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/24/2009
1,2-Dichloroethane-d4 (Surr)	100		% Recovery	EPA 8260B	01/24/2009
Toluene - d8 (Surr)	92.6		% Recovery	EPA 8260B	01/24/2009
TPH as Diesel	720	10	mg/Kg	M EPA 8015	01/28/2009
Octacosane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	01/28/2009

QC Report : Method Blank Data

Project Name : Earthgrains Oakland, CA

Project Number : **62402797**

Parameter	Measured Value	Method Reporting Limit) Units	Analysis Method	Date Analyzed
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	01/23/2009
Octacosane (Diesel Surrogate)	91.7		%	M EPA 8015	01/23/2009
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	01/24/2009
Octacosane (Diesel Surrogate)	91.5		%	M EPA 8015	01/24/2009
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/22/2009
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/22/2009
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/22/2009
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/22/2009
1,2-Dichloroethane-d4 (Surr)	104		%	EPA 8260B	01/22/2009
Toluene - d8 (Surr)	98.4		%	EPA 8260B	01/22/2009
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	01/23/2009
1,2-Dichloroethane-d4 (Surr)	104		%	EPA 8260B	01/23/2009
Toluene - d8 (Surr)	101		%	EPA 8260B	01/23/2009

	Measured	Reportir	ng	Analysis	Date
Parameter	Value	Limit	Units	Method	Analyzed

Project Name : Earthgrains Oakland, CA

Project Number : **62402797**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	e Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel	66979-08	<1.0	20.0	20.0	16.1	16.6	mg/Kg	M EPA 8015	1/23/09	80.4	83.0	3.13	60-140	25
TPH as Diesel	66979-22	1700	20.0	20.0	2620	1520	mg/Kg	M EPA 8015	1/24/09	152	88.2	53.3	60-140	25
Benzene Toluene	66979-14 66979-14	<0.0050 <0.0050	0.0380 0.0387	0.0380 0.0387	0.0298 0.0301	0.0314 0.0318	mg/Kg mg/Kg	EPA 8260B EPA 8260B	1/22/09 1/22/09	78.3 77.6	82.7 82.2	5.45 5.65	70-130 70-130	25 25
Benzene Toluene	66958-01 66958-01	<0.0050 <0.0050	0.0390 0.0397	0.0390 0.0397	0.0286 0.0305	0.0316 0.0329	mg/Kg mg/Kg	EPA 8260B EPA 8260B	1/23/09 1/23/09	73.4 76.8	81.1 82.9	10.0 7.65	70-130 70-130	25 25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Project Name : Earthgrains Oakland, CA

Project Number : **62402797**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
TPH as Diesel	20.0	mg/Kg	M EPA 8015	1/23/09	85.1	70-130
TPH as Diesel	20.0	mg/Kg	M EPA 8015	1/24/09	85.0	70-130
Benzene Toluene	0.0387 0.0395	mg/Kg mg/Kg	EPA 8260B EPA 8260B	1/22/09 1/22/09	82.9 86.6	70-130 70-130
Benzene Toluene	0.0393 0.0401	mg/Kg mg/Kg	EPA 8260B EPA 8260B	1/23/09 1/23/09	87.4 91.6	70-130 70-130



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	Project Number: 62402797	Cost C	ode: 02453	0		ber of	/					' /			/	Temp	ANE DE	12/09
	Sampler(s): BRENDO	WILDER		∧	latrix	Num	/			/	/ /		/	' /		Initia	al <u>pri</u> ua	
	Laboratory Name: KIF	F ANALYTIC	AL	- 5	es .	Ö gal	1/5	P/	1×	/				/		Týme	<u>-4016</u> Coolant	resent test
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-	MW-101 (5-6.5)	1/19/09	10:30	X	\square	1	<u> </u>		X							_		
-	MW-101 (8.5-10)	1/19/09	10:35	X		1	X		X							ļ		<u> </u> 0 <u>,</u>
-	MW-101 (13.5-15.0)	1/19/09	10:40	X		1	X		X							<u> </u>		د م
~	MW-101 (18.5-20.0)	1/19/09	10:50	x		1	X		X									04
~-	MW-101 (23.5-25.0)	1/19/09	10:55	x		1	X		X									05
-	MW-101 (26.5-28.0)	1/19/09	11:00	х		1	X		X									36
	MW-102 (5-6.5)	1/20/09	9:30	x		1	X		X							T		107
	MW-102 (8.5-10)	1/20/09	9:35	x		1	X		X									80
	MW-102 (13.5-15.0)	1/20/09	9:40	x		1	x		X									04
~	MW-102 (18 5-20 0)	1/20/09	9:45	x		1	X		X			-				<u> </u>		13
-	MW-102 (23 5-25 0)	1/20/09	9:50	x		1	X		x							1		
دم ب	MW-102 (26.5-28.0)	1/20/09	10.00	x		1	X		X							-	· · · · ·	-1.5
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	Preservatives (ONLY for Water Sam	oles)				Re	equested	TAT:	I	RUSH	5	Days	Х	STD		Ot	her	
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	Metals	Nitric Acid		(HNC	, D ₃)	Sp	pecial Gu	uidelines							<u> </u>			
	Cyanide	Sodium Hy	droxide	(NaC	DH)	Re	eporting	Limits:										
	Other (Specify)	Hydrochlo	ric Acid	(HCI)	* 5	Special:								-		·	
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January 29, 2009

Joel Kiff Kiff Analytical 2795 2nd Street, Suite 300 Davis, CA 95616-6593

Subject: Calscience Work Order No.: Client Reference:

09-01-2066 Earthgrains Oakland, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 1/24/2009 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

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

Sincerely,

Amande Porter

Calscience Environmental Laboratories, Inc. Amanda Porter **Project Manager**

CA-ELAP ID: 1230 NELAP ID: 03220CA CSDLAC ID: 10109 SCAQMD ID: 93LA0830 7440 Lincoln Way, Garden Grove, CA 92841-1427 · TEL:(714) 895-5494 · FAX: (714) 894-7501

<i>Calscience</i> <i>nvironmental</i> <i>aboratories, Inc.</i>	Analytical Report
Kiff Analytical	Date Received:
2795 2nd Street, Suite 300	Work Order No:
Davis, CA 95616-6593	Preparation:
	Method:



Davis, CA 95616-6593			Preparati Method:	on:			EF EF	PA 3050B PA 6010B	
Project: Earthgrains Oakland	I, CA						Pa	ige 1 of 1	
Client Sample Number		Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID	
DRUM COMPOSITE		09-01-2066-1-A	01/20/09 09:00	Solid	ICP 5300	01/26/09	01/28/09 00:00	090126L01	
Parameter	<u>Result</u>	<u>RL</u>	DF	<u>Qual</u>	<u>Units</u>				
Lead	8.26	0.500	1		mg/kg				
DRUM COMPOSITE DW-1		09-01-2066-2-A	01/20/09 12:00	Solid	ICP 5300	01/26/09	01/28/09 00:02	090126L01	
Parameter	<u>Result</u>	<u>RL</u>	DF	<u>Qual</u>	<u>Units</u>				
Lead	6.81	0.500	1		mg/kg				
Method Blank		097-01-002-11,987	N/A	Solid	ICP 5300	01/26/09	01/26/09 19:32	090126L01	
Parameter	Result	RL	DF	Qual	Units				
Lead	ND	0.500	1		mg/kg				

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

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Page 2 of 7

01/24/09 09-01-2066

Page	3	of	7
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Kiff Analytical	Date Received:	01/24/09
2795 2nd Street, Suite 300 Davis, CA 95616-6593	Preparation:	EPA 3050B
	Method:	EPA 6010B

Project Earthgrains Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared		Date Analyzed	MS/MSD Batch Number
09-01-1991-1	Solid	Solid ICP 5300			01/27/09	090126S01
Parameter	<u>MS %REC</u>	MSD %REC	<u>%REC CL</u>	RPD	<u>RPD CL</u>	Qualifiers
Lead	97	110	75-125	9	0-20	

RPD - Relative Percent Difference, CL - Control Limit



14) 895-5494 · FAX: (714) 894-7501

S Duplicate

Page 4 of 7

Date Received:	N/A
Work Order No:	09-01-2066
Preparation:	EPA 3050B
Method:	EPA 6010B
	Date Received: Work Order No: Preparation: Method:

Project: Earthgrains Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyze	ed	LCS/LCSD Batc Number	h
097-01-002-11,987	Solid	ICP 5300	01/26/09	01/26/09	9	090126L01	
Parameter	LCS %R	EC LCSD	<u>%REC %</u>	REC CL	<u>RPD</u>	RPD CL	Qualifiers
Lead	97	94		80-120	3	0-20	

RPD - Relative Percent Difference, CL - Control Limit

MMM____

7440 Lincoln Way, Garden Grove, CA 92841-1427 . TEL:(714) 895-5494 . FAX: (714) 894-7501

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Project Contact (Hardcopy or PD	PE to):		714-8						14-8	395	5494 COC No. 66979 Page 1 of 1																	
	1 10).		EL	JF	Re	ро	rt?			NC)		C	Inain-of-Custody Record and Analysis Request														
Angelique Showman																												
Company/Address:			Sampling Company Log Code:																Ι.	тат								
Kiff Analytical			Sar	Sampling Company Log Code:						Analysis Request																		
Phone No.: FAX 530-297-4800 530	(No.: 0-297-480)	8	Glo	lobal ID:																		Τ						
Project Number: P.O	. No.:		Del	eliverables to (Email Address):															· ·									
62402797	66979)	inbo	ox@	<u>)</u> kiffa	analy	rtical.	com																				η
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Earthgrains Oakland, CA						Ť			Ť-	İΤ								1						1)(6			۱us
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Sample			Jar																									LL.
Designation	Date	Time	Glass							Soil																		
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Relinquished by: Date		Time Received by:																										
Relinquished by: Date On Trac 1/24/09 10				Time Received by Laboratory: 10:15 Ju July CEL								Bill to: Accounts Payable																

TK #B10232035772

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1 I I

Test Detail for Kiff Work Order: 66979

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ICP 6010 Total SUB (1) Lead

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	09- 0		of 7 516
Environmental SAMPLE RECEIPT E			
			" <u></u>
CLIENT: <u>KIFF</u>	DAT	E: <u>01724</u>	09
TEMPERATURE: (Criteria: 0.0 °C – 6.0 °C, not frozen)			
Temperature $3.4^{\circ}C - 0.2^{\circ}C (CF) = 3.4^{\circ}C$	Blan	k 🗌 Sample	
□ Sample(s) outside temperature criteria (PM/APM contacted by:	_).		
□ Sample(s) outside temperature criteria but received on ice/chilled on s	ame day of sa	mpling.	
□ Received at ambient temperature, placed on ice for transport l	by Courier.		
Ambient Temperature:	CBs Only	ک Initial:	ID
CUSTODY SEALS INTACT:			
Cooler Not Pre	esent 🗆 N	∜A Initial: ∑	JÞ
□ Sample □ □ No (Not Intact) ☑ Not Pre	esent	- Initial:	\mathbf{P}_{-}
SAMPLE CONDITION:	Yes	No N/A	· · ·
Chain-Of-Custody (COC) document(s) received with samples	Ł		
COC document(s) received complete	r L		
Sampler's name indicated on COC			
Sample container label(s) consistent with COC	R		
Sample container label(s) consistent with COC Sample container(s) intact and good condition	₽ ₽		
Sample container label(s) consistent with COC Sample container(s) intact and good condition Correct containers and volume for analyses requested	\$ \$ \$		
Sample container label(s) consistent with COC Sample container(s) intact and good condition Correct containers and volume for analyses requested Analyses received within holding time	\$ \$ \$ \$		
Sample container label(s) consistent with COC Sample container(s) intact and good condition Correct containers and volume for analyses requested Analyses received within holding time Proper preservation noted on COC or sample container	内 (
Sample container label(s) consistent with COC Sample container(s) intact and good condition Correct containers and volume for analyses requested Analyses received within holding time Proper preservation noted on COC or sample container Volatile analysis container(s) free of headspace	な な し 口 口		
Sample container label(s) consistent with COC Sample container(s) intact and good condition Correct containers and volume for analyses requested Analyses received within holding time Proper preservation noted on COC or sample container Volatile analysis container(s) free of headspace Tedlar bag(s) free of condensation	\$ \$ 0 0 0		
Sample container label(s) consistent with COC Sample container(s) intact and good condition Correct containers and volume for analyses requested Analyses received within holding time Proper preservation noted on COC or sample container Volatile analysis container(s) free of headspace Tedlar bag(s) free of condensation CONTAINER TYPE:	本 す す う こ こ		
Sample container label(s) consistent with COC Sample container(s) intact and good condition Correct containers and volume for analyses requested Analyses received within holding time Proper preservation noted on COC or sample container Volatile analysis container(s) free of headspace Volatile analysis container(s) free of headspace Tedlar bag(s) free of condensation CONTAINER TYPE: Solid: AozCGJ BozCGJ Disleeve DenCores®	₽ ₽ ₽ ₽ □ □ □ □ □ □		
Sample container label(s) consistent with COC		□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	- GBna ₂
Sample container label(s) consistent with COC	.₽ 	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	- GBna ₂ 50PB
Sample container label(s) consistent with COC Sample container(s) intact and good condition Correct containers and volume for analyses requested Analyses received within holding time Proper preservation noted on COC or sample container Volatile analysis container(s) free of headspace Volatile analysis container(s) free of headspace Tedlar bag(s) free of condensation CONTAINER TYPE: Solid: AozCGJ BozCGJ 16ozCGJ Sleeve EnCores® Water: VOA VOAh VOAna2 125AGB 125AGB 125AGBh 1 1AGBs 500AGB 500AGBs 250CGB 250CGBs 1P 250PBn 125PB 125PBznna 100PBsterile 100PBna2	.₽ 		GBna ₂ 50PB
Sample container label(s) consistent with COC Sample container(s) intact and good condition Correct containers and volume for analyses requested Analyses received within holding time Proper preservation noted on COC or sample container Volatile analysis container(s) free of headspace Volatile analysis container(s) free of headspace Tedlar bag(s) free of condensation CONTAINER TYPE: Solid: AczCGJ BozCGJ 16ozCGJ Sleeve EnCores® Water: UVOA UVOAh UVOAna2 125AGB 125AGBh 1 1AGBs 500AGB 500AGBs 250CGB 250CGBs 1P 250PBn 125PB 125PBznna 100PBsterile 100PBna2 Air: Tedlar® Summa®	.₽ 	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	SBna ₂ 50PB

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SOP T100_090 (12/10/08)

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PTS Laboratories

Project Name:Earthgrains Oakland, CAProject Number:62402797

PTS File No: 39121 Client: Kiff Analytical, LLC

TEST PROGRAM

CORE ID	Depth ft.	Core Recovery ft.	Grain Size Analysis ASTM D4464M	TOC/foc Walkley- Black	Dry Bulk Density ASTM D2937		Notes
		Plugs:	Grab	Grab	Cut Sleeve		
Rcvd. 02/06/09							
MW-101 (18.5-20.0)	N/A	N/A	X	Х	X		
MW-102 (13.5-15.0)	N/A	N/A	X	Х	X		
MW-103 (8.5-10.0)	N/A	N/A	X	Х	X		
MW-104 (13.5-15.0)	N/A	N/A	X	X	X		
TOTALS:	cores		4	4	4		

Laboratory Test Program Notes

PTS File No: Client: 39121 Kiff Analytical, LLC

DRY BULK DENSITY OF IN-PLACE SOIL

(METHODOLOGY: ASTM D2937)

PROJECT NAME: PROJECT NO:	Earthgrains Oakland, CA 62402797		
SAMPLE ID.	DEPTH, ft.	TOTAL SAMPLE VOLUME, cc	DRY BULK DENSITY, g/cc
MW-101 (18.5-20.0)	N/A	88.66	1.87
MW-102 (13.5-15.0)	N/A	89.18	1.49
MW-103 (8.5-10.0)	N/A	89.58	1.61
MW-104 (13.5-15.0)	N/A	89.21	1.57

PTS File No: 39121 Client: Kiff Analytical, LLC

ORGANIC CARBON DATA - TOC (foc)

PROJECT NAME: Earthgrains Oakland, CA PROJECT NO: 62402797

		METHOD:	WALKLEY-BLACK	WALKLEY-BLACK	_
			FRACTION ORGANIC	TOTAL ORGANIC	l
SAMPLE	DEPTH,	SAMPLE	CARBON,	CARBON,	ĺ
ID.	ft.	MATRIX	g/g	mg/kg	ĺ
MW-101 (18.5-20.0)	N/A	SOIL	1.05E-03	1050	
· · · · ·					
MW-102 (13.5-15.0)	N/A	SOIL	2.90E-03	2900	
(, , , , , , , , , , , , , , , , , , ,					
MW-103 (8.5-10.0)	N/A	SOIL	2.80E-03	2800	
MW-104 (13 5-15 0)	N/A	SOIL	2 60F-03	2600	
101 (10.0 10.0)		0012	E.COL CO	2000	

PARTICLE SIZE SUMMARY

(METHODOLOGY: ASTM D422/D4464M)

PROJECT NAME:	Earthgrains Oakland, CA
PROJECT NO:	62402797

			Median	Particle Size Distribution, wt. p				percent	Silt		
Sample ID	Depth, ft.	Mean Grain Size Description (1)	Grain Size mm	Gravel	Coarse	Sand Size Medium	Fine	Silt	Clay	& Clay	
	1 <u></u>				L	4 <u></u>			· · · ·		
MW-101 (18.5-20.0)	N/A	Fine sand	0.123	0.00	0.00	31.29	25.30	27.83	15.57	43.40	
MW-102 (13.5-15.0)	N/A	Silt	0.010	0.00	0.00	0.00	7.39	58.28	34.33	92.61	
MW-103 (8.5-10.0)	N/A	Silt	0.020	0.00	0.00	0.00	18.17	56.36	25.46	81.83	



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	AFS 020509 Page 1 of 1	nalysis Request	20002101	ТАТ		only) ال	uah Jae	n qe Due	For L: S			×	×	×	×							
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	795 Second Street, Suite 300 Javis, CA 95618 ab: 530.297.4800 -ax: 530.297.4808	EDF Report?	ecommended but not mandatory to complete the	Sampling Company Log Code:	Global ID:	Deliverables to (Email Address): nbox@kiffanalytical.com	Container / Preservative		θuo	N 9v9e									Time Received/by:	Time Received by: V	Time Received by Laboratory:	
		:(0			o: 297-4808	o.: 66979			Sampling		Date Time	01/19/09 10:50	01/20/09 09:40	01/19/09 13:20	01/20/09 08:00				helyfrad Olosog	Date	Date	
	KIFF Analytical LLC	Project Contact (Hardcopy or PDF tr	Angelique Showman	Company/Address: Kiff Analytical	Phone No.: 530-297-4800 530-2	Project Number: P.O. N. 62402797	Project Name:	Earthgrains Oakland, CA	Project Address:	Sample	Designation	MW-101 (18.5-20.0)	MW-102 (13.5-15.0)	MW-103 (8.5-10)	MW-104 (13.5-15.0)				Relinquished by: CCC h	Relinquished by:	Relinquished by:	

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, (d C G	T T T Analyses by			19		7 8	×	×	×	×	×	×	×	×	×	×	×	×	×	×	××	Lab D		sults to:	equested:				10916:20 A.S.		
	Ody Recor (618) 281-7173 Phone (618) 281-5120 Fax (618) 281-8933 Bullet		۲ ۱۰ مر	admı mənin			/11/	- ×	- -	- -	- ×	1 ×	- ×	- ×	- ×	- X	- ×	1 X	- -	- ×	1 X	- ×		Requested TAT:	Fax and Mail Res	QC Deliverable re Speciat Guideline	Reporting Limits: * Snecial	cheese.		Wales 12	- - -	
	Chain of Cust 10 West Sand Bank Road 20. Box 230 Solumbia, IL 62236-0230	Project Mar.: S.JANDER	Cost Code: 024530	FR		CA Soil Soil Mater Mater Mater Other	e Time	09 13:15 X	09 13:20 X	09 13:30 X	09 13:40 X	(09 7:50 X	(09 7:55 X	(09 8:00 X	(09 8:10 X	09 10:55 X	/09 11:00 X	/09 11:05 X	/09 11:10 X	/09 11:15 X	X 00.6 60/	/09 12:00 X	No		rochloric Acid (HCt)	irochloric Acid (HCl) ic Acid (HNO ₃)	lium Hydroxide (NaOH) recelerie Acid (HCI)		Relinquished by:	Rhendout 1. 1		
		* Earhorains Oakland, CA P	ser 62402797 Commune, CC	BRENDON WILD		Name: NIFF ANAL Location: DAVIS,	e Number and (depth) Date	IW-103 (5-6.5) 1/19/	W-103 (8.5-10) 1/19/	1-103 (18.5-20.0) 1/19/	1-103 (23.5-25.0) 1/19/	IW-104 (5-6.5) 1/20/	W-104 (8.5-10) 1/20/	/-104 (13.5-15.0) 1/20/	/-104 (18.5-20.0) 1/20/	DW-1 (5-6.5) 1/20/	JW-1 (8.5-10) 1/20/	W-1 (10-11.5) 1/20/	N-1 (11.5-13.0) 1/20/	N-1 (13.5-15.0) 1/20/	JM COMPOSITE 1/20/	COMPOSITE DW-1 1/20/	lced: X Yes	es (ONLY for Water Samples)	Volatile Organics Hydi	TPH (418.1) Hyd Metals Nitri	Cyanide Sod			Carrier / Airbill No. Lah Pickup	Hand Delivered	
		Project Name	Project Numb	Samilar(e)		Laboratory	Sample	¥ ۱	TWI T	- MW	- WM	N N	W	ww	MW 1		,	•	10		DRI	DRUM	Samules	Preservativ					Shipping			

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* Shaded Areas to be Completed by Lab

Distribution: WHITE to Lab: YELLOW to PM: PINK to QA/QC, GREEN to Sampler.

APPENDIX D

GROUNDWATER SAMPLE ANALYTICAL DATA JANUARY, APRIL, JULY 2009



Scott Jander Philip Services Corp 210 W Sand Bank Road Columbia, IL 62236

Subject : 6 Water Samples Project Name : PSC - Earthgrains - Oakland, Ca. Project Number : 62402797

Dear Mr. Jander,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

bel Kiff



Project Name : **PSC - Earthgrains - Oakland, Ca.** Project Number : **62402797**

Sample : MW-101 Matrix : Water Lab Number : 67050-01 Sample Date :01/26/2009 Method Measured Date Reporting Analysis Parameter Value Limit Units Method Analyzed Benzene < 0.50 0.50 ug/L EPA 8260B 01/28/2009 Toluene < 0.50 0.50 ug/L EPA 8260B 01/28/2009 Ethylbenzene < 0.50 0.50 ug/L EPA 8260B 01/28/2009 **Total Xylenes** < 0.50 0.50 ug/L EPA 8260B 01/28/2009 1,2-Dichloroethane-d4 (Surr) 98.1 % Recovery EPA 8260B 01/28/2009 % Recovery Toluene - d8 (Surr) 97.4 EPA 8260B 01/28/2009 **TPH as Diesel** < 50 50 ug/L M EPA 8015 01/29/2009 Octacosane (Diesel Surrogate) 104 % Recovery M EPA 8015 01/29/2009

Sample : MW-102

Matrix : Water

Lab Number : 67050-02

Sample Date :01/26/2009

Sample Date .01/20/2009		Method				
Parameter	Measured Value	Reporting Limit	Units	Analysis Method	Date Analyzed	
Benzene	< 0.50	0.50	ug/L	EPA 8260B	01/28/2009	
Toluene	< 0.50	0.50	ug/L	EPA 8260B	01/28/2009	
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	01/28/2009	
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	01/28/2009	
1,2-Dichloroethane-d4 (Surr)	96.9		% Recovery	EPA 8260B	01/28/2009	
Toluene - d8 (Surr)	98.7		% Recovery	EPA 8260B	01/28/2009	
TPH as Diesel	160	50	ug/L	M EPA 8015	01/29/2009	
Octacosane (Diesel Surrogate)	112		% Recovery	M EPA 8015	01/29/2009	



Project Name : **PSC - Earthgrains - Oakland, Ca.** Project Number : **62402797**

Sample : MW-103	Ma	trix : Water	Lab	Lab Number : 67050-03			
Sample Date :01/26/2009 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed		
Benzene	< 0.50	0.50	ug/L	EPA 8260B	01/28/2009		
Toluene	< 0.50	0.50	ug/L	EPA 8260B	01/28/2009		
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	01/28/2009 01/28/2009		
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B			
1,2-Dichloroethane-d4 (Surr)	99.0		% Recovery	EPA 8260B	01/28/2009		
Toluene - d8 (Surr)	98.1		% Recovery	EPA 8260B	01/28/2009		
TPH as Diesel	80	50	ug/L	M EPA 8015	01/29/2009		
Octacosane (Diesel Surrogate)	114		% Recovery	M EPA 8015	01/29/2009		

Sample : MW-104

Matrix : Water

Lab Number : 67050-04

Sample Date :01/26/2009

Sample Date .0 1/20/2009		Method				
Parameter	Measured Value	Reporting	Units	Analysis Method	Date Analyzed	
Benzene	< 0.50	0.50	ug/L	EPA 8260B	01/28/2009	
Toluene	< 0.50	0.50	ug/L	EPA 8260B	01/28/2009	
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	01/28/2009	
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	01/28/2009	
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	01/28/2009	
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	01/28/2009	
TPH as Diesel	100	50	ug/L	M EPA 8015	01/29/2009	
Octacosane (Diesel Surrogate)	115		% Recovery	M EPA 8015	01/29/2009	



Project Name : **PSC - Earthgrains - Oakland, Ca.** Project Number : **62402797**

Sample : MW-DUP	Ma	trix : Water	Lab	Lab Number : 67050-05			
Sample Date :01/26/2009 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed		
Benzene Toluene Ethylbenzene	< 0.50 < 0.50 < 0.50	0.50 0.50 0.50	ug/L ug/L ug/l	EPA 8260B EPA 8260B EPA 8260B	01/28/2009 01/28/2009 01/28/2009		
Ethylbenzene Totol Xulonoo	< 0.50	0.50	ug/L	EPA 8260B	01/28/2009		
1,2-Dichloroethane-d4 (Surr) Toluene - d8 (Surr)	100 97.6	0.00	% Recovery % Recovery	EPA 8260B EPA 8260B	01/28/2009 01/28/2009		
TPH as Diesel	1200	50	ug/L	M EPA 8015	01/29/2009		
Octacosane (Diesel Surrogate)	109		% Recovery	M EPA 8015	01/29/2009		

Sample : DW-1

Matrix : Water

Lab Number : 67050-06

Sample Date :01/26/2009

Sample Date .01/20/2009		Method			
Parameter	Measured Value	Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	01/28/2009
Toluene	< 0.50	0.50	ug/L	EPA 8260B	01/28/2009
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	01/28/2009
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	01/28/2009
1,2-Dichloroethane-d4 (Surr)	99.0		% Recovery	EPA 8260B	01/28/2009
Toluene - d8 (Surr)	97.4		% Recovery	EPA 8260B	01/28/2009
TPH as Diesel	1200	50	ug/L	M EPA 8015	01/29/2009
Octacosane (Diesel Surrogate)	113		% Recovery	M EPA 8015	01/29/2009

QC Report : Method Blank Data

Project Name : **PSC - Earthgrains - Oakland, Ca.**

Project Number : **62402797**

Parameter	Measured Value	Method Reporting Limit Units		Analysis Method	Date Analyzed
TPH as Diesel	< 50	50	ug/L	M EPA 8015	01/28/2009
Octacosane (Diesel Surrogate)	110		%	M EPA 8015	01/28/2009
TPH as Diesel	< 50	50	ug/L	M EPA 8015	01/29/2009
Octacosane (Diesel Surrogate)	107		%	M EPA 8015	01/29/2009
Benzene	< 0.50	0.50	ug/L	EPA 8260B	01/28/2009
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	01/28/2009
Toluene	< 0.50	0.50	ug/L	EPA 8260B	01/28/2009
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	01/28/2009
1,2-Dichloroethane-d4 (Surr)	95.4		%	EPA 8260B	01/28/2009
Toluene - d8 (Surr)	98.2		%	EPA 8260B	01/28/2009
Benzene	< 0.50	0.50	ug/L	EPA 8260B	01/28/2009
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	01/28/2009
Toluene	< 0.50	0.50	ug/L	EPA 8260B	01/28/2009
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	01/28/2009
1,2-Dichloroethane-d4 (Surr)	99.0		%	EPA 8260B	01/28/2009
Toluene - d8 (Surr)	98.6		%	EPA 8260B	01/28/2009
Benzene	< 0.50	0.50	ug/L	EPA 8260B	01/28/2009
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	01/28/2009
Toluene	< 0.50	0.50	ug/L	EPA 8260B	01/28/2009
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	01/28/2009
1,2-Dichloroethane-d4 (Surr)	102		%	EPA 8260B	01/28/2009
Toluene - d8 (Surr)	105		%	EPA 8260B	01/28/2009

Parameter	Measured Value	Methoc Reporti Limit	t ing Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	01/28/2009
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	01/28/2009
Toluene	< 0.50	0.50	ug/L	EPA 8260B	01/28/2009
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	01/28/2009
1,2-Dichloroethane-d4 (Surr)	99.4		%	EPA 8260B	01/28/2009
Toluene - d8 (Surr)	99.9		%	EPA 8260B	01/28/2009
Project Name : **PSC - Earthgrains - Oakland, Ca.**

Project Number : 62402797

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	e Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel	BLANK	<50	1000	1000	992	993	ug/L	M EPA 8015	1/28/09	99.2	99.3	0.0723	70-130	25
TPH as Diesel	BLANK	<50	1000	1000	922	942	ug/L	M EPA 8015	1/29/09	92.2	94.2	2.13	70-130	25
Benzene	67050-01	<0.50	39.3	39.3	38.2	36.9	ug/L	EPA 8260B	1/28/09	97.1	93.7	3.55	70-130	25
Toluene	67050-01	<0.50	40.1	40.1	39.8	38.4	ug/L	EPA 8260B	1/28/09	99.0	95.8	3.37	70-130	25
Benzene	67050-02	<0.50	39.3	39.3	39.4	39.2	uq/L	EPA 8260B	1/28/09	100	99.5	0.764	70-130	25
Toluene	67050-02	<0.50	40.1	40.1	39.4	39.2	ug/L	EPA 8260B	1/28/09	98.2	97.8	0.378	70-130	25
Benzene	67050-04	<0.50	39.3	39.3	46 4	44 9	ua/l	FPA 8260B	1/28/09	118	114	3 38	70-130	25
Toluene	67050-04	<0.50	40.1	40.1	45.6	43.8	ug/L	EPA 8260B	1/28/09	114	109	4.05	70-130	25
Benzene	67050-03	<0.50	39.3	39.3	39.4	36.3	ua/l	FPA 8260B	1/28/09	100	92 4	8 17	70-130	25
Toluene	67050-03	<0.50	40.1	40.1	39.0	35.8	ug/L	EPA 8260B	1/28/09	97.1	89.1	8.58	70-130	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

QC Report : Laboratory Control Sample (LCS)

Project Name : **PSC - Earthgrains - Oakland, Ca.**

Project Number : 62402797

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.2	ug/L	EPA 8260B	1/28/09	96.0	70-130
Toluene	40.2	ug/L	EPA 8260B	1/28/09	96.1	70-130
Benzene	40.0	ug/L	EPA 8260B	1/28/09	104	70-130
Toluene	40.0	ug/L	EPA 8260B	1/28/09	99.4	70-130
Benzene	39.5	ug/L	EPA 8260B	1/28/09	108	70-130
Toluene	40.3	ug/L	EPA 8260B	1/28/09	111	70-130
Benzene	39.5	ug/L	EPA 8260B	1/28/09	111	70-130
Toluene	40.3	ug/L	EPA 8260B	1/28/09	109	70-130





February 03, 2009

Joel Kiff Kiff Analytical 2795 2nd Street, Suite 300 Davis, CA 95616-6593

Subject: Calscience Work Order No.: 09-01-2295 Client Reference: PSC - Earthgra

09-01-2295 PSC - Earthgrains-Oakland, CA.

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 1/28/2009 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

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

Sincerely,

Amande Porter

Calscience Environmental Laboratories, Inc. Amanda Porter Project Manager

CA-ELAP ID: 1230 · NELAP ID: 03220CA · CSDLAC ID: 10109 · SCAQMD ID: 93LA0830 A 7440 Lincoln Way, Garden Grove, CA 92841-1427 · TEL:(714) 895-5494 · FAX: (714) 894-7501

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

М.

7440 Lincoln Way, Garden Grove, CA 92841-1427 · TEL:(714) 895-5494 · FAX: (714) 894-7501

Kiff Analytical
2795 2nd Street, Suite 300
Davia CA 05616 6502

Davis, CA 95616-6593

Project: PSC - Earthgrains-Oakland, CA.

Client Sample Number		Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-102		09-01-2295-1-A	01/26/09 16:05	Aqueous	ICP 5300	01/28/09	01/29/09 19:08	090128LA2
Parameter	<u>Result</u>	<u>RL</u>	DF	<u>Qual</u>	<u>Units</u>			
Lead	ND	0.0100	1		mg/L			
MW-104		09-01-2295-2-A	01/26/09 13:10	Aqueous	ICP 5300	01/28/09	01/29/09 19:10	090128LA2
Parameter	<u>Result</u>	<u>RL</u>	DF	Qual	<u>Units</u>			
Lead	ND	0.0100	1		mg/L			
DW-1		09-01-2295-3-A	01/26/09 17:10	Aqueous	ICP 5300	01/28/09	01/29/09 19:12	090128LA2
Parameter	Result	<u>RL</u>	DF	Qual	<u>Units</u>			
Lead	ND	0.0100	1		mg/L			
Method Blank		097-01-003-9,079	N/A	Aqueous	ICP 5300	01/28/09	01/28/09 18:24	090128LA2
Parameter	Result	RL	DF	Qual	<u>Units</u>			
Lead	ND	0.0100	1		mg/L			



Date Received:

Work Order No:

Preparation:

Method:



Page 1 of 1

01/28/09

09-01-2295

EPA 6010B

EPA 3010A Total

Page	3	of	7
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A DIRECT IN ACCORDANCE

Kiff Analytical	Date Received:	01/28/09
2795 2nd Street, Suite 300	Work Order No:	09-01-2295
Davis, CA 95616-6593	Preparation:	EPA 3010A Total
	Method:	EPA 6010B

Project PSC - Earthgrains-Oakland, CA.

Quality Control Sample ID	Matrix	Instrument	Date Prepared		Date Analyzed	MS/MSD Batch Number
09-01-2196-1	Aqueous	ICP 5300	01/28/09		01/28/09	090128SA2
Parameter	MS %REC	MSD %REC	<u>%REC CL</u>	<u>RPD</u>	<u>RPD CL</u>	Qualifiers
Lead	102	103	84-120	1	0-7	

RPD - Relative Percent Difference, CL - Control Limit

h. M

7440 Lincoln Way, Garden Grove, CA 92841-1427 . TEL:(714) 895-5494 · FAX: (714) 894-7501

Page	4	of	7
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N ACCORD



aboratories, Inc.

Kiff Analytical	Date Received:	N/A
2795 2nd Street, Suite 300	Work Order No:	09-01-2295
Davis, CA 95616-6593	Preparation:	EPA 3010A Total
	Method:	EPA 6010B

Project: PSC - Earthgrains-Oakland, CA.

Quality Control Sample ID	Matrix	Instrument	Date Prepare	Da d Anal	ite yzed	LCS/LCSD Batc Number	h
097-01-003-9,079	Aqueous	ICP 5300	01/28/0	9 01/28	8/09	090128LA2	
Parameter	LCS %	REC LCS	D %REC	%REC CL	<u>RPD</u>	RPD CL	Qualifiers
Lead	96		98	80-120	2	0-20	

RPD - Relative Percent Difference, CL - Control Limit

hu

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL:(714) 895-5494 • FAX: (714) 894-7501



hM



Work Order Number: 09-01-2295

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
А	Result is the average of all dilutions, as defined by the method.
В	Analyte was present in the associated method blank.
С	Analyte presence was not confirmed on primary column.
Е	Concentration exceeds the calibration range.
Н	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
Ν	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
Х	% Recovery and/or RPD out-of-range.

Z Analyte presence was not confirmed by second column or GC/MS analysis.

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		Page 7 of 7
Calscience · WORK ORDER #: 09	-01-	2295
Environmental		
And the second s	RM Coo	ler $\underline{\ }$ of $\underline{\ }$
CLIENT: KIPF ANALKTICAL	DATE: _\	128/09
TEMPERATURE: (Criteria: 0.0 °C – 6.0 °C, not frozen)		
Temperature $\underline{} \circ \underline{} \circ $	3 Blank [☐ Sample
\Box Sample(s) outside temperature criteria (PM/APM contacted by:).		
\square Sample(s) outside temperature criteria but received on ice/chilled on same d	ay of sampling.	
Received at ambient temperature, placed on ice for transport by Co	urier.	
Ambient Temperature:	Only	Initial: WB
I Cooler □ □ No (Not Intact) □ Not Present	□ N/A	Initial: $\underline{W2}$
□ Sample □ □ No (Not Intact) ☑ Not Present		Initial: <u>WS</u>
SAMPLE CONDITION: Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples		
COC document(s) received complete		
Sampler's name indicated on COC		B
Sample container label(s) consistent with COC		
Sample container(s) intact and good condition		
Correct containers and volume for analyses requested		
Analyses received within holding time		
Proper preservation noted on COC or sample container		
Volatile analysis container(s) free of headspace		
Tedlar bag(s) free of condensation		
CONTAINER TYPE:		
Solid: 40zCGJ 80zCGJ 160zCGJ Sleeve FnCores® FT	erraCores®	r-1
Water: □VOA □VOAh □VOAna₂ □125AGB □125AGBh □125.	AGBno₄ □14	GB □1AGBna
□1AGBs □500AGB □500AGBs □250CGB □250CGBs □1PB □		$PBna \square 250PB$
Air: \Box Tedlar® \Box Summa® \Box		
Container: C:Clear A:Amber P:Poly/Plastic G:Glass J:Jar B:Bottle	Revi	ewed by: <u>JP</u>

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Distribution: White - Lab; Pink - Originator Rev: 051805



Report Number : 68145 Date : 04/21/2009

Scott Jander Philip Services Corp 210 W Sand Bank Road Columbia, IL 62236

Subject : 7 Water Samples Project Name : Earthgrains Baking Companies, Inc. Project Number : 62402797

Dear Mr. Jander,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

bel Kiff



Sample : TB	Ma	trix : Water	Lab I	Lab Number : 68145-01					
Sample Date :04/15/2009 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed				
Benzene	< 0.50	0.50	ug/L	EPA 8260B	04/17/2009				
Toluene	< 0.50	0.50	ug/L	EPA 8260B	04/17/2009				
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/17/2009				
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	04/17/2009				
1,2-Dichloroethane-d4 (Surr)	98.7		% Recovery	EPA 8260B	04/17/2009				
Toluene - d8 (Surr)	98.8		% Recovery	EPA 8260B	04/17/2009				
TPH as Diesel	< 50	50	ug/L	M EPA 8015	04/17/2009				
Octacosane (Diesel Surrogate)	77.0		% Recovery	M EPA 8015	04/17/2009				

Sample : MW-101

Matrix : Water

Lab Number : 68145-02

Sample Date :04/15/2009

Sample Date .04/15/2009		Method			
Parameter	Measured Value	Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	04/17/2009
Toluene	< 0.50	0.50	ug/L	EPA 8260B	04/17/2009
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/17/2009
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	04/17/2009
1,2-Dichloroethane-d4 (Surr)	97.1		% Recovery	EPA 8260B	04/17/2009
Toluene - d8 (Surr)	98.3		% Recovery	EPA 8260B	04/17/2009
TPH as Diesel	< 50	50	ug/L	M EPA 8015	04/17/2009
Octacosane (Diesel Surrogate)	112		% Recovery	M EPA 8015	04/17/2009



Sample : MW-102	Ma	trix : Water	Lab I	Lab Number : 68145-03					
Sample Date :04/15/2009 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed				
Benzene	< 0.50	0.50	ug/L	EPA 8260B	04/18/2009				
Toluene	< 0.50	0.50	ug/L	EPA 8260B	04/18/2009				
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/18/2009				
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	04/18/2009				
1,2-Dichloroethane-d4 (Surr)	97.3		% Recovery	EPA 8260B	04/18/2009				
Toluene - d8 (Surr)	98.8		% Recovery	EPA 8260B	04/18/2009				
TPH as Diesel	140	50	ug/L	M EPA 8015	04/17/2009				
Octacosane (Diesel Surrogate)	116		% Recovery	M EPA 8015	04/17/2009				

Sample : MW-103

Matrix : Water

Lab Number : 68145-04

Sample Date :04/15/2009

Sample Date .04/15/2009		Method			
Parameter	Measured Value	Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	04/18/2009
Toluene	< 0.50	0.50	ug/L	EPA 8260B	04/18/2009
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/18/2009
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	04/18/2009
1,2-Dichloroethane-d4 (Surr)	98.7		% Recovery	EPA 8260B	04/18/2009
Toluene - d8 (Surr)	98.8		% Recovery	EPA 8260B	04/18/2009
TPH as Diesel	< 50	50	ug/L	M EPA 8015	04/17/2009
Octacosane (Diesel Surrogate)	115		% Recovery	M EPA 8015	04/17/2009



Sample : MW-104	Ma	trix : Water	Lab I	Lab Number : 68145-05					
Sample Date :04/15/2009 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed				
Benzene	< 0.50	0.50	ug/L	EPA 8260B	04/18/2009				
Toluene	< 0.50	0.50	ug/L	EPA 8260B	04/18/2009				
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/18/2009				
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	04/18/2009				
1,2-Dichloroethane-d4 (Surr)	98.6		% Recovery	EPA 8260B	04/18/2009				
Toluene - d8 (Surr)	98.8		% Recovery	EPA 8260B	04/18/2009				
TPH as Diesel	79	50	ug/L	M EPA 8015	04/18/2009				
Octacosane (Diesel Surrogate)	115		% Recovery	M EPA 8015	04/18/2009				

Sample : DW-1

Sample Date :04/15/2009

Matrix : Water

Lab Number : 68145-06

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	04/18/2009
Toluene	< 0.50	0.50	ug/L	EPA 8260B	04/18/2009
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/18/2009
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	04/18/2009
1,2-Dichloroethane-d4 (Surr)	99.1		% Recovery	EPA 8260B	04/18/2009
Toluene - d8 (Surr)	98.9		% Recovery	EPA 8260B	04/18/2009
TPH as Diesel	830	50	ug/L	M EPA 8015	04/17/2009
Octacosane (Diesel Surrogate)	82.3		% Recovery	M EPA 8015	04/17/2009



Sample : DUP	M	atrix : Water	Lab Number : 68145-07				
Sample Date :04/15/2009 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed		
Benzene	< 0.50	0.50	ug/L	EPA 8260B	04/18/2009		
Toluene	< 0.50	0.50	ug/L	EPA 8260B	04/18/2009		
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/18/2009		
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	04/18/2009		
1,2-Dichloroethane-d4 (Surr)	95.2		% Recover	y EPA 8260B	04/18/2009		
Toluene - d8 (Surr)	99.2		% Recover	y EPA 8260B	04/18/2009		
TPH as Diesel	960	50	ug/L	M EPA 8015	04/17/2009		
Octacosane (Diesel Surrogate)	81.5		% Recover	y M EPA 8015	04/17/2009		

QC Report : Method Blank Data

Project Name : Earthgrains Baking Companies, Inc.

Project Number : 62402797

Parameter	Measured Value	Method Reporti Limit	ng Units	Analysis Method	Date Analyzed	Parameter	Measured Value	Method Reportir Limit	ng Units	Analysis Method	Date Analyzed
TPH as Diesel	< 50	50	ug/L	M EPA 8015	04/17/2009						
Octacosane (Diesel Surrogate)	83.1		%	M EPA 8015	04/17/2009						
Benzene	< 0.50	0.50	ug/L	EPA 8260B	04/17/2009						
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/17/2009						
Toluene	< 0.50	0.50	ug/L	EPA 8260B	04/17/2009						
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	04/17/2009						
1,2-Dichloroethane-d4 (Surr)	104		%	EPA 8260B	04/17/2009						
Toluene - d8 (Surr)	96.2		%	EPA 8260B	04/17/2009						
Benzene	< 0.50	0.50	ug/L	EPA 8260B	04/17/2009						
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	04/17/2009						
Toluene	< 0.50	0.50	ug/L	EPA 8260B	04/17/2009						
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	04/17/2009						
1,2-Dichloroethane-d4 (Surr)	98.5		%	EPA 8260B	04/17/2009						
Toluene - d8 (Surr)	98.6		%	EPA 8260B	04/17/2009						

Report Number : 68145 Date : 04/21/2009

QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : Earthgrains Baking Companies, Inc. Project Number : 62402797

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	e Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicat Spiked Sample Percent Recov.	e Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel	BLANK	<50	1000	1000	960	959	ug/L	M EPA 8015	4/17/09	96.0	95.9	0.128	70-130	25
Benzene	68120-02	<0.50	39.0	39.0	40.1	39.3	ug/L	EPA 8260B	4/17/09	103	101	2.02	70-130	25
Toluene	68120-02	<0.50	39.7	39.7	40.4	39.4	ug/L	EPA 8260B	4/17/09	102	99.2	2.54	70-130	25
Benzene	68123-03	<0.50	39.3	39.3	37.1	36.4	ug/L	EPA 8260B	4/17/09	94.2	92.6	1.69	70-130	25
Toluene	68123-03	<0.50	40.1	40.1	38.8	38.1	ug/L	EPA 8260B	4/17/09	96.6	94.8	1.89	70-130	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 68145 Date : 04/21/2009

QC Report : Laboratory Control Sample (LCS)

Project Name : Earthgrains Baking Companies, Inc.

Project Number : 62402797

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	39.3	ug/L	EPA 8260B	4/17/09	101	70-130
Toluene	40.1	ug/L	EPA 8260B	4/17/09	102	70-130
Benzene	40.0	ug/L	EPA 8260B	4/17/09	97.3	70-130
Toluene	40.0	ug/L	EPA 8260B	4/17/09	97.0	70-130

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Report Number : 69365 Date : 07/28/2009

Scott Jander Philip Services Corp 210 W Sand Bank Road Columbia, IL 62236

Subject : 7 Water Samples Project Name : Earthgrains Baking Companies, Inc. Project Number : 62402797

Dear Mr. Jander,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed.

Kiff Analytical is certified by the State of California (# 2236). If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

bel Kiff



Sample : MW-101	Ma	trix : Water	Lab	Lab Number : 69365-01			
Sample Date :07/22/2009 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed		
Benzene	< 0.50	0.50	ug/L	EPA 8260B	07/24/2009		
Toluene	< 0.50	0.50	ug/L	EPA 8260B	07/24/2009		
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	07/24/2009		
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	07/24/2009		
1,2-Dichloroethane-d4 (Surr)	95.0		% Recovery	EPA 8260B	07/24/2009		
Toluene - d8 (Surr)	95.7		% Recovery	EPA 8260B	07/24/2009		
TPH as Diesel	< 50	50	ug/L	M EPA 8015	07/27/2009		
Octacosane (Diesel Surrogate)	99.4		% Recovery	M EPA 8015	07/27/2009		

Sample : MW-102

Matrix : Water

Lab Number : 69365-02

Sample Date :07/22/2009

Sample Date .0//22/2009		Method			
Parameter	Measured Value	Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	07/24/2009
Toluene	< 0.50	0.50	ug/L	EPA 8260B	07/24/2009
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	07/24/2009
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	07/24/2009
1,2-Dichloroethane-d4 (Surr)	96.2		% Recovery	EPA 8260B	07/24/2009
Toluene - d8 (Surr)	95.9		% Recovery	EPA 8260B	07/24/2009
TPH as Diesel	120	50	ug/L	M EPA 8015	07/27/2009
Octacosane (Diesel Surrogate)	95.4		% Recovery	M EPA 8015	07/27/2009



Sample : MW-103	Ma	trix : Water	Lab	Lab Number : 69365-03		
Sample Date :07/22/2009 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed	
Benzene	< 0.50	0.50	ug/L	EPA 8260B	07/24/2009	
Toluene	< 0.50	0.50	ug/L	EPA 8260B	07/24/2009	
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	07/24/2009	
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	07/24/2009	
1,2-Dichloroethane-d4 (Surr)	96.3		% Recovery	EPA 8260B	07/24/2009	
Toluene - d8 (Surr)	96.0		% Recovery	EPA 8260B	07/24/2009	
TPH as Diesel	< 50	50	ug/L	M EPA 8015	07/27/2009	
Octacosane (Diesel Surrogate)	96.0		% Recovery	M EPA 8015	07/27/2009	

Sample : MW-104

Matrix : Water

Lab Number : 69365-04

Sample Date :07/22/2009

		Method			
Parameter	Measured Value	Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	07/24/2009
Toluene	< 0.50	0.50	ug/L	EPA 8260B	07/24/2009
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	07/24/2009
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	07/24/2009
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	07/24/2009
Toluene - d8 (Surr)	99.8		% Recovery	EPA 8260B	07/24/2009
TPH as Diesel	97	50	ug/L	M EPA 8015	07/27/2009
Octacosane (Diesel Surrogate)	95.0		% Recovery	M EPA 8015	07/27/2009
			•		



Sample : DW-1	Ma	trix : Water	Lab I	Lab Number : 69365-05			
Sample Date :07/22/2009 Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed		
Benzene	< 0.50	0.50	ug/L	EPA 8260B	07/23/2009		
Toluene	< 0.50	0.50	ug/L	EPA 8260B	07/23/2009		
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	07/23/2009		
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	07/23/2009		
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	07/23/2009		
Toluene - d8 (Surr)	96.7		% Recovery	EPA 8260B	07/23/2009		
TPH as Diesel	1000	50	ug/L	M EPA 8015	07/27/2009		
Octacosane (Diesel Surrogate)	101		% Recovery	M EPA 8015	07/27/2009		

Sample : DUP

Sample Date :07/22/2009

Matrix : Water

Lab Number : 69365-06

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	07/25/2009
Toluene	< 0.50	0.50	ug/L	EPA 8260B	07/25/2009
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	07/25/2009
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	07/25/2009
1,2-Dichloroethane-d4 (Surr)	99.9		% Recovery	EPA 8260B	07/25/2009
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	07/25/2009
TPH as Diesel	1100	50	ug/L	M EPA 8015	07/27/2009
Octacosane (Diesel Surrogate)	99.8		% Recovery	M EPA 8015	07/27/2009



Sample : TB	Ma	trix : Water	Lab	Lab Number : 69365-07			
Sample Date :07/22/2009		Method					
Parameter	Measured Value	Reporting Limit	Units	Analysis Method	Date Analyzed		
Benzene	< 0.50	0.50	ug/L	EPA 8260B	07/23/2009		
Toluene	< 0.50	0.50	ug/L	EPA 8260B	07/23/2009		
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	07/23/2009		
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	07/23/2009		
1,2-Dichloroethane-d4 (Surr)	97.2		% Recovery	EPA 8260B	07/23/2009		
Toluene - d8 (Surr)	95.5		% Recovery	EPA 8260B	07/23/2009		

QC Report : Method Blank Data

Project Name : Earthgrains Baking Companies, Inc.

Project Number : **62402797**

Parameter	Measured Value	Method Reporting Limit Units		Analysis Method	Date Analyzed
TPH as Diesel	< 50	50	ug/L	M EPA 8015	07/27/2009
Octacosane (Diesel Surrogate)	97.4		%	M EPA 8015	07/27/2009
Benzene	< 0.50	0.50	ug/L	EPA 8260B	07/24/2009
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	07/24/2009
Toluene	< 0.50	0.50	ug/L	EPA 8260B	07/24/2009
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	07/24/2009
1,2-Dichloroethane-d4 (Surr)	98.8		%	EPA 8260B	07/24/2009
Toluene - d8 (Surr)	103		%	EPA 8260B	07/24/2009
Benzene	< 0.50	0.50	ug/L	EPA 8260B	07/23/2009
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	07/23/2009
Toluene	< 0.50	0.50	ug/L	EPA 8260B	07/23/2009
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	07/23/2009
1,2-Dichloroethane-d4 (Surr)	104		%	EPA 8260B	07/23/2009
Toluene - d8 (Surr)	97.0		%	EPA 8260B	07/23/2009
Benzene	< 0.50	0.50	ug/L	EPA 8260B	07/24/2009
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	07/24/2009
Toluene	< 0.50	0.50	ug/L	EPA 8260B	07/24/2009
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	07/24/2009
1,2-Dichloroethane-d4 (Surr)	98.1		%	EPA 8260B	07/24/2009
Toluene - d8 (Surr)	104		%	EPA 8260B	07/24/2009

Report Number : 69365 Date : 07/28/2009

Parameter	Measured Value	Methoo Reporti Limit	t ing Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	07/23/2009
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	07/23/2009
Toluene	< 0.50	0.50	ug/L	EPA 8260B	07/23/2009
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	07/23/2009
1,2-Dichloroethane-d4 (Surr)	97.3		%	EPA 8260B	07/23/2009
Toluene - d8 (Surr)	95.8		%	EPA 8260B	07/23/2009

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Project Name : Earthgrains Baking Companies, Inc.

Project Number : 62402797

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	e Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel	BLANK	<50	1000	1000	968	995	ug/L	M EPA 8015	7/27/09	96.8	99.5	2.78	70-130	25
Benzene	69383-01	<0.50	40.6	40.6	39.6	38.0	ug/L	EPA 8260B	7/24/09	97.5	93.5	4.15	70-130	25
Toluene	69383-01	<0.50	40.1	40.1	40.7	39.4	ug/L	EPA 8260B	7/24/09	102	98.2	3.32	70-130	25
Benzene	69351-02	<0.50	40.6	40.6	40.5	40.3	ug/L	EPA 8260B	7/23/09	99.8	99.2	0.690	70-130	25
Toluene	69351-02	<0.50	40.1	40.1	39.9	39.2	ug/L	EPA 8260B	7/23/09	99.4	97.7	1.70	70-130	25
Benzene	69369-01	0.72	40.6	40.6	43.7	42.9	ug/L	EPA 8260B	7/24/09	106	104	1.81	70-130	25
Toluene	69369-01	<0.50	40.1	40.1	43.5	41.8	ug/L	EPA 8260B	7/24/09	108	104	4.04	70-130	25
Benzene	69351-01	7.6	40.6	40.6	49.0	47.7	ug/L	EPA 8260B	7/23/09	102	98.7	3.19	70-130	25
Toluene	69351-01	<0.50	40.1	40.1	41.1	40.1	ug/L	EPA 8260B	7/23/09	102	99.9	2.61	70-130	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

QC Report : Laboratory Control Sample (LCS)

Project Name : Earthgrains Baking Companies, Inc.

Project Number : 62402797

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.6	ug/L	EPA 8260B	7/24/09	96.2	70-130
Toluene	40.1	ug/L	EPA 8260B	7/24/09	101	70-130
Benzene	40.1	ug/L	EPA 8260B	7/23/09	100	70-130
Toluene	40.1	ug/L	EPA 8260B	7/23/09	98.6	70-130
Benzene	40.6	ug/L	EPA 8260B	7/24/09	105	70-130
Toluene	40.1	ug/L	EPA 8260B	7/24/09	108	70-130
Benzene	39.8	ug/L	EPA 8260B	7/23/09	104	70-130
Toluene	39.8	ug/L	EPA 8260B	7/23/09	102	70-130





July 30, 2009

Joel Kiff Kiff Analytical 2795 2nd Street, Suite 300 Davis, CA 95616-6593

Subject: Calscience Work Order No.: 09-07-1979 Client Reference: Earthgrains Baking Companies, Inc.

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 7/24/2009 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

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

Sincerely,

Amande Porter

Calscience Environmental Laboratories, Inc. Amanda Porter Project Manager

CA-ELAP ID: 1230 NELAP ID: 03220CA CSDLAC ID: 10109 SCAQMD ID: 93LA0830 A A 7440 Lincoln Way, Garden Grove, CA 92841-1427 TEL:(714) 895-5494 FAX: (714) 894-7501

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Date Received:

Work Order No:

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07/24/09

09-07-1979



Kiff Analytical 2795 2nd Street, Suite 300 Davis

Davis, CA 95616-6593			EPA 3510C EPA 8310 ug/L							
Project: Earthgrains Bal	king Com	panies,	Inc.						Pa	ige 1 of 3
Client Sample Number			La	ab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch II
MW-101			09-07-	1979-1-A	07/22/09 10:20	Aqueous	HPLC 5	07/28/09	07/28/09 16:06	090728L01
Parameter	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	Parameter			<u>Result</u>	<u>rl</u> D	<u>F Qual</u>
Naphthalene	ND	1.0	1		Benzo (a) Ant	hracene		ND	1.0	1
Acenaphthylene	ND	1.0	1		Chrysene			ND	1.0	1
Acenaphthene	ND	1.0	1		Benzo (b) Flu	oranthene		ND	1.0	1
Fluorene	ND	1.0	1		Benzo (k) Flue	oranthene		ND	1.0	1
Phenanthrene	ND	1.0	1		Benzo (a) Pyr	ene		ND	0.20	1
Anthracene	ND	1.0	1		Dibenz (a,h) A	Anthracene		ND	1.0	1
Fluoranthene	ND	1.0	1		Benzo (g,h,i)	Perylene		ND	1.0	1
Pyrene	ND	1.0	1		Indeno (1,2,3-	-c,d) Pyrene		ND	1.0	1
Surrogates:	<u>REC (%)</u>	<u>Control</u> <u>Limits</u>		<u>Qual</u>						
Decafluorobiphenyl	50	16-100								
MW-102			09-07-	1979-2-A	07/22/09 11:55	Aqueous	HPLC 5	07/28/09	07/28/09 16:38	090728L01
Parameter	<u>Result</u>	<u>RL</u>	DF	<u>Qual</u>	Parameter			<u>Result</u>	<u>RL</u> D	<u>F Qual</u>
Naphthalene	ND	1.0	1		Benzo (a) Ant	hracene		ND	1.0	1
Acenaphthylene	ND	1.0	1		Chrysene			ND	1.0	1
Acenaphthene	ND	1.0	1		Benzo (b) Flu	oranthene		ND	1.0	1
Fluorene	ND	1.0	1		Benzo (k) Flue	oranthene		ND	1.0	1
Phenanthrene	ND	1.0	1		Benzo (a) Pyr	ene		ND	0.20	1
Anthracene	ND	1.0	1		Dibenz (a,h) A	Anthracene		ND	1.0	1
Fluoranthene	ND	1.0	1		Benzo (g,h,i)	Perylene		ND	1.0	1
Pyrene	ND	1.0	1		Indeno (1,2,3-	-c,d) Pyrene		ND	1.0	1
Surrogates:	<u>REC (%)</u>	<u>Control</u> Limits		<u>Qual</u>						
Decafluorobiphenyl	67	16-100								
MW-103			09-07-	1979-3-A	07/22/09 11:15	Aqueous	HPLC 5	07/28/09	07/28/09 17:11	090728L01
Parameter	Result	RL	DF	Qual	Parameter			Result	<u>RL</u> D	<u>F Q</u> ual
Naphthalene	ND	1.0	1		Benzo (a) Ant	hracene		ND	1.0	1
Acenaphthylene	ND	1.0	1		Chrysene			ND	1.0	1
Acenaphthene	ND	1.0	1		Benzo (b) Flu	oranthene		ND	1.0	1
Fluorene	ND	1.0	1		Benzo (k) Flu	oranthene		ND	1.0	1
Phenanthrene	ND	1.0	1		Benzo (a) Pyr	ene		ND	0.20	1
Anthracene	ND	1.0	1		Dibenz (a,h) A	Anthracene		ND	1.0	1
Fluoranthene	ND	1.0	1		Benzo (g,h,i)	Perylene		ND	1.0	1
Pyrene	ND	1.0	1		Indeno (1,2,3-	c,d) Pyrene		ND	1.0	1
Surrogates:	<u>REC (%)</u>	<u>Control</u> Limits		<u>Qual</u>						
Decafluorobiphenyl	53	16-100								

RL - Reporting Limit ,

DF - Dilution Factor Qual - Qualifiers ,

n M

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Acenaphthene

Phenanthrene

Anthracene

Fluoranthene

Surrogates:

Decafluorobiphenyl

Fluorene

Pyrene

Kiff Analytical					Date Re	ceived:				07/24/09
2795 2nd Street, Suite 3	300				Work Or	der No:			09	-07-1979
Davis, CA 95616-6593					Preparat	ion:			EP	A 3510C
					Method.				F	PA 8310
					Units:				_	ug/L
Project: Earthgrains Ba	king Com	panies,	Inc.						Pa	ige 2 of 3
Oliant Comple Number			La	ab Sample	Date/Time	Matrix	Instrument	Date	Date/Time	OC Batch ID
			~~~~	Number	Collected	-		Prepared	Analyzed	
MW-104			09-07-	1979-4-A	07/22/09 10:55	Aqueous	HPLC 5	07/28/09	07/28/09 17:43	090728L01
Parameter	<u>Result</u>	<u>RL</u>	DF	<u>Qual</u>	Parameter			<u>Result</u>	<u>RL</u> D	<u>F Qual</u>
Naphthalene	ND	1.0	1		Benzo (a) Ant	hracene		ND	1.0	1
Acenaphthylene	ND	1.0	1		Chrysene			ND	1.0	1
Acenaphthene	ND	1.0	1		Benzo (b) Flue	oranthene		ND	1.0	1
Fluorene	ND	1.0	1		Benzo (k) Fluo	oranthene		ND	1.0	1
Phenanthrene	ND	1.0	1		Benzo (a) Pyr	ene		ND	0.20	1
Anthracene	ND	1.0	1		Dibenz (a,h) A	Anthracene		ND	1.0	1
Fluoranthene	ND	1.0	1		Benzo (g,h,i) I	Perylene		ND	1.0	1
Pyrene	ND	1.0	1	<b>•</b> •	Indeno (1,2,3-	c,d) Pyrene		ND	1.0	1
Surrogates:	<u>REC (%)</u>	<u>Control</u> Limits		Qual						
Decafluorobiphenyl	70	16-100								
DW-1			09-07-	1979-5-A	07/22/09 11:30	Aqueous	HPLC 5	07/28/09	07/28/09 18:16	090728L01
Parameter	Result	RL	DF	Qual	Parameter			Result	RL D	F Qual
Naphthalene	ND	10	1		Benzo (a) Ant	hracene		ND	10	1
Acenaphthylene	ND	1.0	1		Chrysene			ND	1.0	1
Acenaphthene	ND	1.0	1		Benzo (b) Flue	oranthene		ND	1.0	1
Fluorene	ND	1.0	1		Benzo (k) Fluo	oranthene		ND	1.0	1
Phenanthrene	ND	1.0	1		Benzo (a) Pyr	ene		ND	0.20	1
Anthracene	ND	1.0	1		Dibenz (a,h) A	Anthracene		ND	1.0	1
Fluoranthene	ND	1.0	1		Benzo (g,h,i) I	Perylene		ND	1.0	1
Pyrene	ND	1.0	1		Indeno (1,2,3-	c,d) Pyrene		ND	1.0	1
Surrogates:	<u>REC (%)</u>	<u>Control</u>		<u>Qual</u>						
Decafluorobiphenyl	28	<u>Limits</u> 16-100								
DUP			09-07-	1979-6-A	07/22/09 11:40	Aqueous	HPLC 5	07/28/09	07/28/09 18:49	090728L01
Parameter	Result	RL	DF	Qual	Parameter			Result	<u>RL</u> D	F Qual
Naphthalene	ND	1.0	1		Benzo (a) Ant	hracene		ND	1.0	1
Acenaphthylene	ND	1.0	1		Chrysene			ND	1.0	1

DF - Dilution Factor RL - Reporting Limit ,

ND

ND

ND

ND

ND

ND

82

REC (%)

1.0

1.0

1.0

1.0

1.0

1.0

<u>Control</u> Limits

16-100

```
Qual - Qualifiers
```

1

1

1

1

1

1

Qual

hM

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Benzo (b) Fluoranthene

Benzo (k) Fluoranthene

Dibenz (a,h) Anthracene

Indeno (1,2,3-c,d) Pyrene

Benzo (g,h,i) Perylene

Benzo (a) Pyrene

ND

ND

ND

ND

ND

ND

1.0

1.0

1.0

1.0

1.0

0.20

1

1

1

1

1

1





Page 4 of 8

Page 3 of 3

Kiff Analytical 2795 2nd Street, Suite 300 Davis, CA 95616-6593 Date Received:07/24/09Work Order No:09-07-1979Preparation:EPA 3510CMethod:EPA 8310Units:ug/L

Project: Earthgrains Baking Companies, Inc.

Client Sample Number			La	b Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepare	Date/ d Anal	/Time yzed	QC Batch ID
Method Blank			099-07	-003-1,376	N/A	Aqueous	HPLC 5	07/28/09	07/2 13:	8/09 :55	090728L01
Parameter	<u>Result</u>	<u>RL</u>	DF	Qual	Parameter			<u>Result</u>	<u>RL</u>	DF	Qual
Naphthalene	ND	1.0	1		Benzo (a) Ant	hracene		ND	1.0	1	
Acenaphthylene	ND	1.0	1		Chrysene			ND	1.0	1	
Acenaphthene	ND	1.0	1		Benzo (b) Flue	oranthene		ND	1.0	1	
Fluorene	ND	1.0	1		Benzo (k) Flue	oranthene		ND	1.0	1	
Phenanthrene	ND	1.0	1		Benzo (a) Pyr	ene		ND	0.20	1	
Anthracene	ND	1.0	1		Dibenz (a,h) A	Anthracene		ND	1.0	1	
Fluoranthene	ND	1.0	1		Benzo (g,h,i) I	Perylene		ND	1.0	1	
Pyrene	ND	1.0	1		Indeno (1,2,3-	c,d) Pyrene		ND	1.0	1	
Surrogates:	<u>REC (%)</u>	<u>Control</u> <u>Limits</u>		<u>Qual</u>							
Decafluorobiphenyl	52	16-100									

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

MM

N/A





Kiff Analytical 2795 2nd Street, Suite 300 Davis, CA 95616-6593

Date Received: Work Order No: 09-07-1979 Preparation: EPA 3510C Method: EPA 8310

#### Project: Earthgrains Baking Companies, Inc.

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Da Anal	ite ⁄zed	LCS/LCSD I Numbe	Batch r
099-07-003-1,376	Aqueous	HPLC 5	07/28/09	07/28/	/09	090728L	01
Parameter	LCS %REC	LCSD %REC	<u>%REC CL</u>	ME CL	<u>RPD</u>	RPD CL	<b>Qualifiers</b>
Naphthalene	100	101	26-170	2-194	1	0-21	
Acenaphthylene	78	79	49-133	35-147	1	0-23	
Acenaphthene	82	82	49-133	35-147	0	0-20	
Fluorene	79	80	56-134	43-147	0	0-17	
Phenanthrene	82	82	59-131	47-143	1	0-18	
Anthracene	79	80	58-136	45-149	0	0-19	
Fluoranthene	76	76	60-132	48-144	1	0-19	
Pyrene	78	79	65-125	55-135	1	0-21	
Benzo (a) Anthracene	83	83	65-137	53-149	0	0-21	
Chrysene	82	82	65-143	52-156	0	0-21	
Benzo (b) Fluoranthene	82	83	67-139	55-151	1	0-22	
Benzo (k) Fluoranthene	84	84	68-140	56-152	0	0-22	
Benzo (a) Pyrene	85	85	62-134	50-146	1	0-22	
Dibenz (a,h) Anthracene	84	84	66-138	54-150	0	0-28	
Benzo (g,h,i) Perylene	83	83	66-138	54-150	0	0-21	
Indeno (1,2,3-c,d) Pyrene	85	85	63-135	51-147	0	0-22	

Total number of LCS compounds : 16 Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

~ M

RPD - Relative Percent Difference, CL - Control Limit

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MM



Work Order Number: 09-07-1979

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
А	Result is the average of all dilutions, as defined by the method.
В	Analyte was present in the associated method blank.
С	Analyte presence was not confirmed on primary column.
Е	Concentration exceeds the calibration range.
Н	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
Ν	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
Х	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

			2795	Seco	nd Stro	eet, Suite	300		A	Cal	scien	ce				~		/			
KIFF			Davis, CA 95618 744 Lab: 530.297.4800 Garden G							40 Lincoln Way											
Analytical LL	C		Fax: 530.297.4808 714-							31000, CA 92041-1427 L-895-5494 COC No 69365 Page 1 of 1											
Project Contact (Hardco	py or PDF to):		ED	FR	epor	t?		NO		C	hain	-of-C	usto	dv F	Reco	rd ar	nd Ana	alvsi	is Re	aue	st
Scott Forbes					- 1									<b>,</b> .				<b>,</b>		-1	
Company/Address:			Recommended but not mandatory to complete this section:																		
Kiff Analytical			Sam	pling C	ompa	ny Log Co	de:	•				A	nalys	sis R	eques	st			TAT		
Phone No.:	FAX No.:		Glob	al ID:		-			· · · ·												
030-297-4800 Project Number:	530-297-4	808	Doliv	Deliverables to (Email Address)																	
62402797	69	365	linbo	inbox@kiffanalvtical.com																	۲
Project Name:		<u>с с</u>	ontair	her / P	reservati	ive	Ma	otrix										/s		e O	
Earthgrains Baking Compar	nies, Inc.		ΓŤ																Day		s) (s
Project Address:	Sa	nplina	one							831									4		Lat
		<u> </u>	ت ا							EPA											For
Sample			dm⊅					5		s by											
Designation	Da	te Time	1					Wate		PNA	11										
MW-101	07/22	2/09 10:20	2					X		X								Π	X		/
MW-102	07/22	2/09 11:55	2					X		Х									x		г
MW-103	07/22	2/09 11:15	2					Х		Х									X		3
MW-104	07/22	2/09 10:55	2					Х		Х									X		Y
DW-1	07/22	2/09 11:30	2					Х		Х									X		Ś
DUP	07/22	2/09 11:40	2					х		Х									X	(	¢
				$\downarrow \downarrow$					<u> </u>					$\square$							
Relinquished by:	Kitt And Hill	Date	Time	Rec	eived b	<b>y</b> :					l  [₽]	Remarks	5:								
Relinquished by:	Nrachy Max	Date	Time	Rec	eived b	<b>y</b> :															
Polinguished hur		D_+	 		in a d t							2:11 4		<u></u>							
	AT LA ATLENS	DNTRAC # BIDZ44 074083 71246					Time Received by Laboratory:						Bill to: Accounts Payable								

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Calscience - WOR	( ORDER #: <b>09-0</b>	Page & of & 7-										
aboratories, Inc. SAMPLE RECE	EIPT FORM	Cooler <u>/</u> of <u>/</u>										
CLIENT: KIFF	DATE	07/24/09										
TEMPERATURE: (Criteria: 0.0 °C – 6.0 °C, not frozen)												
Temperature <u>5</u> . <u>4</u> °C - 0.2°C (CF) = <u>5</u>	<u> </u>	☐ Sample										
Sample(s) outside temperature criteria (PM/APM contacted	l by:).											
□ Sample(s) outside temperature criteria but received on ice/	chilled on same day of sam	pling.										
Received at ambient temperature, placed on ice for t	ransport by Courier.											
Ambient Temperature:												
CUSTODY SEALS INTACT:												
☑ Cooler □ □ No (Not Intact)	□ Not Present □ N/A	A Initial: $\underline{PS}$										
□ Sample □ □ No (Not Intact)	Not Present	Initial: <u>_</u>										
		······										
SAMPLE CONDITION:	Yes	No N/A										
Chain-Of-Custody (COC) document(s) received with sample	es 🗹											
Collection date/time, matrix, and/or # of containers logged in base	d on sample labels.											
Sampler's name indicated on COC												
Sample container label(s) consistent with COC												
Sample container (s) intact and good condition												
Correct containers and volume for analyses requested	······ 🖌											
Analyses received within holding time.	····· <i>F</i>											
Proper preservation noted on COC or sample container												
□ Unpreserved vials received for Volatiles analysis												
Volatile analysis container(s) free of headspace												
Tedlar bag(s) free of condensation												
CONTAINER TYPE:												
Solid: □4ozCGJ □8ozCGJ □16ozCGJ □Sleeve [	∃EnCores [®] □TerraCo	res [®] □										
Water: □VOA □VOAh □VOAna₂ □125AGB □125AGE	3h □125AGBp ☑1AGB	□1AGBna₂ □1AGBs										
□500AGB □500AGJ □500AGJs □250AGB □250CG	B □250CGBs □1PB	□500PB □500PB <b>na</b>										
□250PB □250PBn □125PB □125PBznna □100PJ □	100PJ <b>na₂</b> □ □_	<b>□</b>										
Air: □Tedlar [®] □Summa [®] □ Other: □	Checke	ed/Labeled by:										
Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc, Preservative: h: HCL n: HNO3 $na_2$ :Na ₂ S ₂ O ₃ Na: NaOH p: H ₃ PO ₄ s: H ₂ SO ₄	/Resealable Bag E: Envelop znna: ZnAc ₂ +NaOH f: Field-filtered	Reviewed by: <u>K</u> Scanned by: <u>S</u>										

SOP T100_090 (07/16/09)

.

		1	680 ROG	ERS AVEN	UE		CON	DUCT	ANALYSI	S TO DE	ТЕСТ				1 > 6 2	
BLAINE	SAN	JOSE, C	ALIFORI FAX :	NIA 95112-1 (408) 573-77	105 71							4	ALL ANALYSES MUST SET BY CALIFORNIA D	MEET SPECIFI	CATIONS ANL	
TECH SERVICES, INC	D.		PHONE	(408) 573-05	55								EPA		RWQCB REC	SION
		<u>.</u>			ו											
HAIN OF CUSTODY	BTS #	090	122	- FS1	s										· · · ·	
PSC					INER			ľ					SPECIAL INSTRUCTIO	NS		
SITE Earthgra	uns Baki	ng Co	mpanie	es, Inc.	ONTA			$\land$					Invoice & Report	to: PSC A	ttn: Scott J	ander
955 Ken	nedv St				C -	6		210					210 West Sand B	ank Rd. Co	lumbia, IL	62236
Oakland					- ⊒	60 I	5 M)	Ŕ					PSC Project # 624	402797		
Uakianu		MATRIX	CON	TAINERS	- OS	82	801						sjander@pscnow.c	om		
		님이		PANGER	ÅÅ	X	, Ģ	T					Ph. 618-281-1546		1 I	
	<b>TIM 4</b>	= SC V=H₂	TOTAL	HCL	0	3TE	HdJ	à					ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
SAMPLE I.D. DATE		<u> </u>		<u>.</u> 			X	$\mathbf{X}$						···		01
MW-101 7-224	1020	<u></u>	<u> </u>	-/				X								02
<u>Mw-102</u>	1155	vv	γ Γ		+	$\overline{\times}$	$\frac{\Lambda}{\lambda}$	×			┦┦					5
	1175	VV	, ,			v.	$\mathbf{x}$	$\mathbf{X}$			┼╼╌┤					nL
<u></u>	112-	vv			+	$\mathbf{x}$	$\mathbf{x}$	$\langle \rangle$			† †	_				0
		<u>vv</u>				X	$\overline{\mathbf{x}}$	$\overline{)}$								0
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<u>18</u>	940	<u>vv</u>	6		_	-										
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SAMPLING DATE	TIME	SAMPL	ING	ـــــــــــــــــــــــــــــــــــــ	SR	1-0-	4 67 0	<u>ן</u> איירי	II				RESULTS NEEDED	L		I
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	SRG#:	69365		Date:	+2309	_										
	Project ID:	Farthar	zins	Baking	Compa	nies, Inc										
	Method of Rece	ipt: Courier	Over-the	e-counter	Shipper											
OC Inspection COC present? ustody seals or COC Signed I sampler name analysis or ho	n shipping container by Relinquisher? legibly indicated on ld requested for all s	Yes □ No COC? amples	Dated?	Yes Intact Yes Yes Yes Yes	□ No □ Broken □ No □ No □ No □ No □ No	ot present 🔽 N/A										
SCOC free of v	whiteout and uninitia	led cross-outs?	, ki ki ki ki ki ki ki ki ki ki ki ki ki	Yes	☐ No, Whiteout	🗌 No, Cross-outs										
oolant Present: emperature °C re there custod to containers m re there sample are any sample are preservative are preservative are samples with the correct : s there sufficient	Yes Therm. y seals on sample co atch COC? Y es matrices other tha containers broken, le s indicated? s correct for analyse hin holding time for sample containers us at sample to perform	☐ No (inclu ID# <u> </u>	des water)      Initial      COC lists abse      arbon?      Intainers      quested?      Anne	Date/Time <u></u> Date/Time Intact nt sample(s) Yes Yes, on COC Yes Yes Yes Yes	72339       Broken       No, Extra sam       No       No       Not indicated       No       No	N/A Not present ple(s) present										
teceipt Details 1 atrix $\[mathcal{W}A\]$ 1 a	Container Container Container Container Sample Put into Tem	type <u>trac</u> wA) type <u>N-C.LA</u> type p Storage Date: <u>0</u>	# of conta # of conta # of conta # of conta 7 - 3 - 9	iners received iners received iners received Time: (400												
<b>Puicklog</b> The the Sample ID's a sthe Project ID project ID is I are the sample f collection dat f collection tim	ID's indicated: are listed on both CC indicated: [ isted on both COC a collection dates indic es are listed on both collection times indic es are listed on both	On COC C and containers, do On COC On nd containers, do the cated: On COC COC and containers, cated: On COC COC and containers,	On samp they all match? n sample contai y all match? On samp do they all mat On samp do they all mat	ble container(s) Mar(s) Mar(S) Mar(s) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S) Mar(S	Mon Both No Both Not i N/A Mo No Mon Both No No No	<ul> <li>Not indicated</li> <li>N/A</li> <li>ndicated</li> <li>Not indicated</li> <li>N/A</li> <li>Not indicated</li> <li>N/A</li> <li>N/A</li> </ul>										
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