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Environmental Health

April 19, 2011

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

Dear Mr. Khatri:

**Subject: Corrective Action Completion Report
Source Area Soil and Groundwater Removal, April 2011**


**Reference: Earthgrains Baking Companies, Inc.
955 Kennedy Street
Oakland, California 94606
RO #0002569**

On behalf of Earthgrains Baking Companies, Inc., PSC Industrial Outsourcing, LP is submitting a *Corrective Action Completion Report, Source Area Soil and Groundwater Removal* for the above-referenced site. This document presents a summary of site history, Site Conceptual Model, a summary of soil and groundwater removal observations, and a revised request for *No Further Action*.

If you have any questions concerning this document, please contact me at (618) 792-2468.

Respectfully,

PSC INDUSTRIAL OUTSOURCING, LP


John R. Carrow, PG
Senior Project Manager

cc: Gary McKinney - Earthgrains Baking Companies, Inc.

PSC INDUSTRIAL OUTSOURCING, LP

210 West Sand Bank Road
Columbia, Illinois 62236



April 19, 2011

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

Dear Mr. Khatri:

**Subject: Perjury Statement
Corrective Action Completion Report
Source Area Soil and Groundwater Removal, April 2011**

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

PSC Industrial Outsourcing LP, has submitted this report on behalf of Earth Grains Baking Companies, Inc.

I declare to the best of my knowledge at the present time, that the information and/or recommendations contained in the attached document are true and correct.

Respectfully,

PSC INDUSTRIAL OUTSOURCING, LP

A handwritten signature in cursive script that reads "John R. Carrow".

John R. Carrow, P.G.
Senior Geologist

A handwritten signature in cursive script that reads "Matt Gabris". To the right of the signature is the date "4.27.11".

SARA LEE - AUTHORIZED AGENT
Matt Gabris
Director - Safety, Environment & Claims

CORRECTIVE ACTION COMPLETION REPORT
SOURCE AREA SOIL AND GROUNDWATER
REMOVAL

EARTHGRAINS BAKING COMPANIES, INC.
955 Kennedy Street
Oakland, California 94606
RO #0002569

April 19, 2011

Prepared By:

PSC INDUSTRIAL OUTSOURCING, LP
210 West Sand Bank Road
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Project 624-0908-0043



CORRECTIVE ACTION COMPLETION REPORT
SOURCE AREA SOIL AND GROUNDWATER
REMOVAL

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

RO #0002569

April 19, 2011

Prepared By:

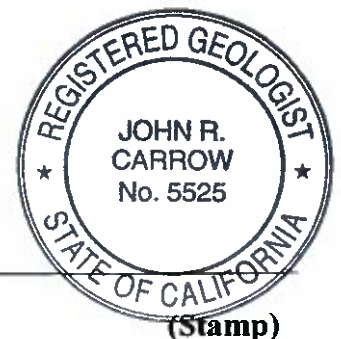
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John R. Carrow

4/19/11

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

Date



(Stamp)

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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

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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 *Feasibility Study/Corrective Action Plan (FS/CAP)* for the Earthgrains project site located at 955 Kennedy Street in Oakland, California (Site). This report has been prepared in response to a directive from the Alameda County Environmental Health (ACEH) Staff documented in a letter to Earthgrains Baking Company on July 20, 2010. In addition to the FS/CAP, this report summarizes the Site history, geology, hydrogeology, soil and groundwater quality, and Conceptual Site Model (CSM).

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 Map is presented as **Figure 1**.

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. 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 2**.

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 a previous unauthorized release from a diesel UST system. 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

A historical unauthorized release of diesel fuel was reported in 1989 following UST system closure. Historic subsurface investigation and corrective action were performed from 1989 through 1996 for this release. These historical environmental investigations assessed soil and groundwater quality. The location of historic soil borings and groundwater-monitoring wells

are shown on Figure 3. 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 1C, 1D and 1E. Historical groundwater analytical data is provided in Table 2C, 2D and 2E. Historical soil sample locations are presented on **Figure 3**. 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 non-chlorinated solvents. PSC submitted a Tier 1 Risk Assessment report for the Site in July 1995 prepared in accordance with the American Society of Testing and Materials (ASTM) Risk Based Corrective Action procedures and Emergency Standard Guide for Risk-Based Corrective Action Applied at Petroleum Release Sites ES 38-94. The report presented evidence that solvent concentrations in groundwater found in the investigation were derived from an off-site source. The ACEH agreed with the assessment report findings and closed the environmental case in March 1996. PSC abandoned the five groundwater-monitoring wells at the Site in March 1996 and Earthgrains received environmental case closure on April 17, 1996.

2003 Release

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.

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.

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 assess 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. The well installation plan and addendum were approved by the ACDEH in January 2009.

Soils encountered in the boreholes 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. Selected soil samples were submitted for laboratory analysis of total petroleum hydrocarbons as diesel fuel (TPH-d), and BTEX.

Four two-inch diameter groundwater-monitoring wells (MW-101 through MW-104) and one six-inch diameter dewatering well (DW-1) were installed at the Site. MW-103 was installed northeast of the former diesel pump island in a hydraulically up-gradient location and the

remaining three monitoring wells were installed west, southwest, and southeast of the former diesel pump island. DW-1 was installed in granular backfill material at the northern end of the former shared excavation for the back-up oven fuel tanks. This six-inch diameter well was constructed with Schedule 40 PVC casing and 10 feet of 0.020-inch slotted PVC well screen to a total depth of 15 feet bgs. The well locations are shown on Figure 3 and well construction data are provided in Table 2A.

The analytical reports for soil samples indicate that TPH-d concentrations exceeded the Environmental Screening Levels (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. ACEH indicated that soil concentrations in well DW-1 might be indicative of light non-aqueous liquids (LNAPLs). However, PSC has routinely checked all monitoring wells including DW-1 and have found no LNAPLs or free phase petroleum product.

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 µg/L. The sample from DW-1 had a TPH-d concentration of 1,200 µg/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 ranged from 1,050 to 2,900 mg/kg.

PSC 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 Drilling and Engineering (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 water-level 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. This pump test indicated that there is a limited hydraulic connection between the groundwater in the former excavation and the groundwater encountered in the monitoring wells.

After completion of the 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 tests were analyzed using AQTESOLV™, commercially available solution software for hydraulic conductivity and pump tests. 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. Results of the slug tests are discussed in Section 3 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 historic wells 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 ACEH in April 1996. These wells have been closed and abandoned.

No free-phase petroleum hydrocarbons were detected in the wells during the historic groundwater-monitoring 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 are provided in Table 2B.

PSC subcontracted Blaine Tech Services, Inc. (BTS) to perform April and July 2009 and January 2010 quarterly groundwater-monitoring events at the Site. BTS collected groundwater samples from the five active wells (MW-101 through MW-104 and DW-1) on April 15 and July 22, 2009 and January 28, 2010. Samples were submitted to Kiff for analyses of TPH-d, BTEX, and Poly-nuclear Aromatic Hydrocarbons (PAHs). The analytical data for the historical groundwater monitoring events are summarized on Table 2C, 2D and 2E.

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 µg/L from January to July 2009. TPH-d concentrations in well MW-104 ranged from 100 to

97 µg/L from January to July 2009. TPH-d concentrations were 80 µg/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.

1.6 Tier 1 Risk Assessment

PSC conducted a Tier 1 Risk Assessment in accordance with “Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Interim Final, November 2007, (Revised May 2008)” (SFBRWQCB ESL Guidance Document). PSC submitted their “Tier 1 Risk Assessment and No Further Action Request Report, on September 17, 2009. As the title indicates, based on the minimal risk to human health, safety and the environment, PSC requested that ACEH require no further action. ACEH disagreed that the site was ready for “no further action” based on elevated concentrations of TPH-d in shallow soil and groundwater in the source area. The ACEH letter is presented in Appendix A. The following is a summary list of the ACEH comments and required actions presented in the letter.

- *Based on the analytical data and reported groundwater flow direction, the extent of dissolved phase hydrocarbons in the deeper water-bearing unit appears adequately characterized at this time.*
- *The shallow water-bearing unit, referred by PSC as “perched water,” appears significantly impacted with TPH-d and was omitted from any risk evaluation. Concentrations*
- *Concentrations of TPH-d have been detected as high as 8,300 mg/kg in soil and as high as 3,500,000 µg/L in groundwater.*
- *Although naphthalene was not detected in the most recent groundwater sample event, it is not clear whether naphthalene analysis was conducted during previous site characterizations since naphthalene analysis is not included in the historical analytical data tables.*
- *Based on the analytical data, significant residual source area appears to exist in shallow soil and groundwater and corrective action is warranted.*

ACEH required the submittal of a FS/CAP prepared in accordance with Title 23, California Code of Regulations, Section 2725. PSC prepared and submitted a FS/CAP on July 16, 2010. Because of the nature of diesel contamination and subsurface conditions, the report compared only 2 remedial alternatives. PSC concluded that dewatering and excavation of soil in the source area was the most effective remedy. The corrective action plan included de-watering the shallow saturated zone using well DW-1.

1.7 Current Activities

ACEH approved the FS/CAP on July 30, 2010. The only condition documented in the approval letter was a warning that any observed contamination coming from a source other than the diesel fuel release, i.e. the oil/water separator, may not be eligible for reimbursement

by the California UST Fund. ACEH submitted a Fact sheet regarding the approved CAP to surrounding and potentially affected property owners for a 30-day comment period. No comments were received. The ACEH approval letter is attached as **Appendix A**.

PSC commenced source removal activities in August 2010. The following sections of this report presents the procedures used for source removal, observations made during source removal activities, an updated CSM with revised estimates of residual mass of contamination, and a second request for NFR determination from ACEH.

2.0 SOURCE REMOVAL PROCEDURES, OBSERVATIONS AND RESULTS

PSC proposed the source area removal in the CAP based on the CSM developed from historic soil and groundwater investigations. These investigations included over 55 soil borings, 275 soil samples, 52 grab groundwater samples and 10 groundwater monitoring wells with numerous groundwater-sampling events. As documented in the Feasibility Study and Remedial/Corrective Action Plan FS/CAP, PSC's conceptual model of the migration of the release from the source area was based on diesel fuel leaking from the dispenser island and contaminating shallow fill material beneath the dispenser. This secondary source of contamination migrated to the granular backfill of the excavation of four former fuel oil USTs south and adjacent to the dispenser. In addition to this conceptual model of the migration, PSC also documented the opinion that contamination migrated in the trench of the delivery piping to the point where it intersected a shallow sewer line connecting the Bakery Building to the former Truck Wash Building. The diesel fuel contamination in the granular backfill of this sewer line had apparently migrated off-site and impacted soil beneath King Street. The observations made during the source area excavation changed this opinion of contaminant migration slightly.

The following subsections in this chapter of the report present a summary of each step or task in the source removal project. These sections describe the rationale for the procedures used, observations from source removal activities, changes in planned activities based on these observations, a summary of findings, and the results of source removal. PSC photo documented the source removal activities. Selected photos are presented in **Appendix B**.

2.1 Source Removal Work Plan- CAP

The CAP was focused on removing the majority of the soil with TPH-d concentrations above commercial gross contamination ESLs. Concentration of TPH-d in soil and groundwater beneath the Truck Wash Building was unknown due to the difficulty of investigation. PSC's opinion was that through the migration pathway described above, the soil beneath the Truck Wash Building was also contaminated above commercial ESLs. Since the contamination had migrated to the granular backfill of the former UST excavation and this material was saturated up to a depth 9 feet bgs, dewatering prior to excavation would be required.

The approved CAP for source removal included excavating TPH-d contaminated soil in an approximately 1,800-ft² area around the former dispenser island. The plan in the CAP included the following:

- Dewatering the excavation area to reduce the water level to below 12 feet bgs;
- Removal of the Truck Wash Building, the sewer line, the other utilities serving the Truck Wash Building, the "oil/water separator", and the concrete pavement;
- Excavation of soil in the 1,800-ft² area to an approximate depth of 12 feet using the visual evidence of diesel fuel contamination as a guide;

- soil sampling along the margins of the excavation to assess residual TPH-d concentrations remaining; and
- backfill and resurfacing the source area with concrete pavement.

PSC obtained and reviewed bids from two outside contractors and compared these bids to estimates for PSC self-performing this work from our offices in Benecia, and Hollister, California. Rumex Construction Corporation (Rumex) of Fresno, California, was selected as the contractor for the removal project. After being approved by PSC's auditor, Pacific Industrial Contractor Screening, Rumex obtained required permits from Alameda County and the City of Oakland. PSC notified ACEH via e-mail when source removal activities commenced.

2.2 Excavation Dewatering

Prior to excavation, PSC dewatered the shallow permeable zone. PSC planned to begin dewatering the shallow permeable zone 4-6 weeks prior to beginning excavation. A submersible de-watering sump pump was installed in DW-1. The pump was connected to a discharge hose and to a temporary 21,000-gallon Baker tank. The pump was controlled with on and off switches operated by conductivity probes. When both conductivity probes were submerged, the pump would switch on. When both probes were dry, the pump would switch off. The sump pump was used because of the storage properties in the shallow permeable zone observed during the pump test. The Baker tank also was equipped with a float "off" switch to prevent overflowing.

Well DW-1 was installed at the shallow depth of 14.6 feet bgs. This depth was chosen to avoid increasing the hydraulic connection with the permeable zone at 18-20 feet bgs encountered in the wells outside the source area. Pumping from this well proved to be problematic due to the small water column and smaller diameter well. A replacement well constructed of larger casing with larger perforations was installed next to DW-1 to a depth of approximately 16 to 17 feet using a rubber tire backhoe excavator (Photos 1 and 2). This replacement well allowed for more effective dewatering. Upon completion of the project, 13,000 gallons of groundwater had been removed. PSC used numerous groundwater samples and generator knowledge to characterize the water for disposal. The water was transported, treated and discharged as a non-hazardous wastewater by Evergreen Environmental. Non-hazardous waste manifests for this water are presented in **Appendix C**.

PSC's CSM was based on the opinion that groundwater observed at approximately 10 feet in the former tank excavation was perched on impermeable clay layers but was hydraulically connected to the permeable zone encountered at approximately 18-20 feet bgs. This opinion was based on the lack of observed saturated zones in the borings and monitoring wells drilled outside of the former excavation. Observations made during the excavation indicate that apparent native granular material is encountered at approximately 11 feet bgs. This material is the first occurrence of groundwater and not perched water. This is considered the shallowest aquifer beneath the Site.

2.3 Truck Wash Building Removal

Approximately 900-ft² of the 1,800-ft² source area proposed for excavation and removal were beneath the Truck Wash Building. This required removal of the southern half of the building for access of large equipment needed to excavate soil to a depth of 12 feet bgs. Due to potential risk to the storm-water system, Earthgrains has not used the Truck Wash Building for washing vehicles for years. Earthgrains did not require reconstruction of the building. Therefore, the entire building was proposed for removal. This proposal was made in the approved Source Area Removal Work Plan.

An asbestos material survey was required by California law and the City of Oakland prior to demolition or dismantling the Truck Wash Building. Millennium Environmental services of Pleasant Hill, California performed an asbestos survey on September 10, 2010. The survey found asbestos containing material in the roofing mastic, moisture barrier, and foam core. Bluewater Environmental Services Inc. of San Leandro, California was contracted for asbestos abatement. Asbestos abatement activities were completed on October 4, 2010 (Photos 3 and 4). The Asbestos Survey Report, Bluewater's abatement plan, and personnel certifications, as well as a certificate of completion are presented in **Appendix D**.

The Truck Wash Building was dismantled by first removing the galvanized steel panels from the sides for reuse. The galvanized steel roof decking was too difficult to remove intact and was scrapped for recycling. Steel beams and trusses were cut and scrapped for recycling (Photos 5 and 6). The building had an approximate 20-inch concrete high stem wall that was removed after the removal of the settling tank structure. PSC removed the concrete floor and stem wall around the perimeter of the 1,000 ft² building (Photo 7). The concrete was reinforced and the stem wall and floor appeared to be a monolithic pour. Steel reinforcement was removed for recycling. Concrete was also removed for recycling as crushed concrete for aggregate base course material.

2.4 Sanitary Sewer Settling Tank and Settling Tank Removal

The facility maintenance staff had referred to a structure in the Truck Wash Building as an "oil-water separator". During preparation of the CAP, PSC measured this structure for the proposed removal. Sediment in the bottom of the tank obscured this measurement and the configuration of this structure. PSC sampled the water and sediment in the structure and submitted the sample to Kiff Analytical for waste profiling analysis. Samples were analyzed for the CA Title 22 Metals by EPA Method 6010, TPH-diesel fuel by EPA Method 8015, and oil and grease. The material was classified as non-hazardous wastewater. Evergreen Environmental removed 890 gallons of wastewater from the tank. The wastewater characterization analyses and the manifest are presented in **Appendix C**.

After removal of water and sediment from the structure, the configuration of the structure was revealed and was not typical of an oil water separator. The structure had two chambers that were separated by a wall that extended from the surface to the bottom. The larger

upstream chamber of the settlement tank had three inlets. One from the bakery building, one from the former box drain in the floor of the northern portion of the Truck Wash Building and one from the box drain in the southern portion of the building. This larger first chamber was connected to the downstream second smaller chamber by a 4-inch pipe that was approximately 6 inches higher than the three inlets. The outlet on the second chamber was at a shallower depth than the inlet from the Bakery Building (Photo 8). The configuration for this structure indicates it was designed as a settling tank or sediment trap for the solids in the waste stream coming from the Bakery Building and the sludge from the truck wash. An oil-water separator would have had a baffle separating the two chambers but not extending to the bottom of the structure or it would have a pipe connecting the two chambers located below the inlet and outlet of the tank. The outlet, which was connected to the sanitary sewer beneath King Street to the west, was fitted with a 6-inch drop tube. This served as a retrofit on the structure that separated any oil potentially floating on the surface in the second chamber from the water flowing off Site to the sanitary sewer. This settling tank was periodically cleaned out by plant maintenance staff.

After the reinforced concrete floor was removed (Photo 10), the settling tank was removed in one piece. The piping connecting the Bakery Building to the settling tank was inspected and no staining from oil was observed beneath the pipe (Photo 11). The structure was removed by the excavator and inspected for signs of a release. No evidence of a release from this concrete structure was noted (Photos 12 and 13).

2.5 Excavation

The horizontal extent of excavation proposed in the CAP was determined by historical borings and the locations of the secondary source material or potentially contaminated backfill. Field observations expanded this horizontal extent slightly. The unsaturated soil and de-watered soil in the source area was excavated to a depth of between 12 and 16 feet bgs. The proposed depth in the plan was 12 feet. The excavation was deepened in some portions due to observed staining and odors.

The excavation began in the area where the replacement de-watering well was installed. Soil appeared impacted from approximately 3 feet bgs to the depth of 16 feet or 17 feet bgs. The excavation continued after removal of the building, the former sanitary sewer line, and the settling tank. The soil beneath the settling tank was not stained until the depth of approximately 9 feet bgs (Photos 14 and 15). This depth is just above the apparent static water level. Material in this area was removed to a depth of at least 12 feet bgs. The excavation was left open overnight and groundwater rebounded to a depth of approximately 9.5 feet bgs. This indicates that the first permeable zone is at approximately 10 feet bgs.

The excavation proceeded in the area beneath the southern end of the former Truck Wash Building. Plastic sheeting was encountered at approximately 8 feet bgs. This observation indicates that this portion of the building was younger than the northern portion, which was reported to be at least 40 years old. The plastic sheeting was apparently from the backfill of the former excavation for the four diesel fuel USTs. This would mean these tanks were

actually further north than reported and portrayed on previous Site plans. The material used to backfill this excavation was sand, clay, and gravel and not pea gravel as was previously reported. Staining was observed near the southeastern wall of the former Truck Wash Building at a depth of 3 feet bgs (Photos 16, 17, and 18). This staining appeared to follow the footing for the southern portion of the Truck Wash Building.

The area south and outside the former Truck Wash Building was excavated to a depth of approximately 16 feet bgs because of observed staining. Impacted soil was encountered at approximately 2 feet bgs near the former diesel pump island (Photos 19, 20, 21, and 22). A thick, 2 to 3 foot deep, slab of concrete was encountered beneath the dispenser island. The excavation of this area was completed after the original dewatering well DW-1 and the replacement dewatering well were removed.

The sanitary sewer line connecting the Bakery Building to the former Truck Wash Building was removed. No significant staining was observed beneath this sewer pipe. The area beneath the former diesel UST pipe chase was then excavated. The piping in the area had been removed and the pipe chase appeared to be over-excavated to a depth of approximately 4 feet bgs. The excavation was backfilled with sand. No staining was observed in this former excavation. Staining was observed along the sides of the pipe chase between the building stem wall or footing and the former delivery piping (Photos 23 and 24). The extent of the final excavation is shown on **Figure 4**. Cross-Sections of the excavation are presented on **Figures 5, 6, and 7**.

The excavation was backfilled with aggregate base course and crushed gravel as the excavation progressed (Photos 25 and 26). A geotextile was placed at a depth of approximately 3 feet bgs (Photo 27). Conduit and piping that supplied utilities to the former Truck Wash Building were cut and capped in place on the eastern edge of the concrete saw cut (Photo28). Aggregate base course was compacted to 95% of the maximum density as determined by Method D 1557 (Photos 29 and 30). Rebar was placed on 12-inch centers and doweled into the existing concrete using epoxy cement. An early strength concrete mix with a 4,000-pound design was used to refinish the surface (Photos 31 and 32). Material and geotechnical test results are presented in **Appendix E**. An as-built drawing of the final resurfaced site is presented as **Figure 8**.

A total of 1,223.83 tons of diesel fuel contaminated soil were removed from the source area. This material was transported to Republic Vasco Road Landfill in Livermore, California for disposal as beneficial reuse soil. After subtracting the volume of the concrete, utilities, dewatering wells, and the settling tank, PSC estimates that a volume of 20,500 cubic feet or 755 cubic yards of soil was removed. This results in a bulk density of 120 pounds per cubic foot. This estimated density was used in revised estimates of residual mass discussed in Section 3 of this report. A printout of weigh tickets from Vasco Road Landfill is included as **Appendix F**. Estimated areas of residual TPH-d in soil are shown on **Figure 9**.

2.7 Source Removal Verification and Confirmation Sampling

Verification samples of the impacted soil beneath the settling tank (SR-OWS-10) and beneath the pump island (SR-PI-8 and SR-PI-16) were collected to assess concentrations in the material being removed. Soil samples were submitted to Kiff Analytical for analysis of BTEX, and naphthalene using EPA Method 8260B and for TPH-d using EPA method 8015. These three soil samples had TPH-d concentrations of 1,800, 12,000, and 33 mg/kg, respectively. SR-PI-8 had a TPH-d concentration exceeding the gross contamination ESL for TPH-d in soil for commercial industrial property. These results confirmed the necessity of removing this impacted soil. The results of the samples are summarized in **Table 1B**.

Seventeen confirmation soil samples were collected every 10 feet along the clean perimeter of the excavation at the approximate depth of the most heavily stained soil. These confirmation soil samples were also submitted to Kiff Analytical for analysis of BTEX, Naphthalene, and TPH-d. Results of the samples indicate that 14 of the 17 samples had no detectable concentration of contaminants. Three samples contained residual concentrations of TPH-d but below the commercial/Industrial ESLs. The results of these samples are presented in **Table 1A**. All soil sample analytical laboratory reports are presented in **Appendix G**.

2.8 Pre and Post Corrective Action Groundwater Samples

PSC and their subcontractor, Blaine Tech Services, collected groundwater samples for wells MW-101 through MW-104 on August 24, 2010 prior to beginning de-watering activities. Samples were submitted to Kiff Analytical for analysis of BTEX by EPA Method 8260B and for TPH-d by EPA Method 8015. In addition, samples were submitted to Cal Science Laboratories, Inc. under sub-contract to Kiff for analysis of poly-nuclear aromatic hydrocarbons (PNAs) by USEPA Method 8310. These results provided a baseline of groundwater conditions prior to excavation of the source area.

These wells are located in close proximity to the source area excavation. Therefore, after the excavation activities, the wells were redeveloped prior to post corrective action sampling. This was done to remove any accumulated silt that may have entered the wells due to excavation disturbances. Blain Tech Services, Inc. collected post corrective action groundwater samples on December 10, 2010 and on February 02, 2011. Groundwater elevation measurements from the wells appear to indicate that the flow of groundwater has changed to a more northwesterly direction after source removal. Groundwater elevation contour maps for the pre and post source area removal monitoring events are shown on **Figures 10A, 10B, and 10C**.

Post source area removal groundwater samples were submitted to Kiff and Cal Science for the same parameters as the samples submitted prior to source removal. Results from analysis of post source area removal samples indicate a slight reduction in concentration of TPH-d in groundwater except for well MW-102, which is located a few feet from the edge of the excavation. PSC expects a continued downward trend in TPH-d concentrations in groundwater. Results from pre- and post- corrective action groundwater samples are

summarized in **Table 2C**. Analytical reports for pre- and post-corrective action groundwater samples are presented in **Appendix H**.

2.8 Summary of Source Removal Corrective Action

The CAP for source removal included excavating TPH-d contaminated soil in an approximately 1,800-ft² area around the former dispenser island to a depth of 12 feet bgs. The plan in the CAP included dewatering activities, the removal of the former Truck Wash Building, the settling tank, and the utilities supplying the building. Observations in the field expanded the excavation slightly. A total of 1,224 tons of soil contaminated with TPH-d were removed from the excavation. PSC estimates that a volume of 20,500 cubic feet or 755 cubic yards of soil was removed. This results in a bulk density of 120 pounds per cubic foot. This estimated density was used in revised estimates of residual mass discussed in Section 3 of this report.

Samples of contaminated soils, that were later removed, were collected in order to verify the necessity of source removal. Soil samples were also collected around the perimeter of the excavation at the depth near the shallow permeable zone and where the highest staining and odor were observed. Three of the 17 confirmation soil samples had detectable concentrations of TPH-d. These three samples had concentrations below the leaching to groundwater ESL. After sample collection, Rumex backfilled the excavation with crushed gravel and aggregate base course material. The backfill was compacted and after compaction testing, the excavation area was resurfaced with reinforced concrete pavement.

Post source removal concentrations of TPH-d in groundwater were only slightly lower than pre source removal samples. These levels are below the Commercial ESL of 210 µg/l. PSC anticipates reductions in the concentrations of TPH-d in groundwater in the future due to contaminant mass removed during the source area removal.

3.0 SUMMARY OF REVISED CONCEPTUAL SITE MODEL

PSC has presented a conceptual model of the Site in previous documents. Based on a discussion regarding the update of the California LUFT Manual, Version 2, October 4, 2010, PSC has revised the CSM. The objective of the CSM is to provide a current opinion on the following:

- an understanding of the origin, nature, and lateral and vertical extent of contamination;
- potential contaminant fate and transport processes and pathways;
- potential human and environmental receptors that may be impacted by contamination associated with the Site;
- additional data needed to draw reasonable conclusions regarding the source(s), pathways, and receptors; and
- an evaluation of the risk to human health, safety and the environment posed by the LUFT Site.

The components of an effective CSM include maps, cross-sections, tables, charts, and boring logs. These components are included in this and previous reports and work plans prepared for the Site. The following sections of this report are a summary of the CSM as presented in previous reports with additional information from the completed corrective action supporting or clarifying the opinions presented in the previous CSM.

3.1 Land Use and Environmental Setting

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 near future.

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 north where it empties into a concrete storm-water sewer beneath and parallel to Dennison Street. An additional storm drain is located approximately 25 feet west of the Site beneath King Street. 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. Based on the lateral and vertical extent of contamination in soil and groundwater, impact to storm water or surface waters from the release on Site has not occurred.

3.2 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 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.

Historical soil boring logs indicate that the predominant soil types beneath the Site consist primarily of clay and silty clay. During source removal corrective action in October and November 2010, soil consisted predominately of silty clays. A one to two foot thick layer of sand and gravel was encountered at depths ranging from 11 to 14 feet bgs. Silty clay was encountered beneath this sand layer.

Historical drilling activities performed across the Site indicated that groundwater was encountered within a sand and gravel layer located at depths of 18 to 26 feet bgs. Groundwater appeared to be in a semi-confined condition and groundwater levels stabilized at approximately 9 feet bgs. Previously, PSC believed that a large area of perched water, near the former shared diesel UST excavation south of the former Truck Wash Building was recharging the shallow permeable zones at 18 feet bgs. Sand and gravel encountered at 11 to 14 feet bgs in the source removal excavation appeared to be native soil. This soil was saturated. This observation indicates that the first occurrence of groundwater beneath the Site is in this sandy material encountered as shallow as 9 feet bgs. Based on boring logs across the Site the permeable sands do not appear to be laterally continuous across the Site.

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. An average hydraulic conductivity of 5.02×10^{-4} cm/sec was obtained from the results of slug testing. 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 such as solubility and natural attenuation parameters for the soil. Only TPH-d, which is a mixture and has no specific chemical properties like solubility, has been detected in groundwater. Therefore, fate and transport modeling has not been completed.

3.3 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. An additional source of contamination is the former diesel fuel UST located adjacent to the former Truck Repair Building which was located north of the Truck Wash Building. Source areas are shown on **Figure 7**.

Based on observations from the source area removal, diesel fuel released from the dispenser pumps migrated along the east foundation of the Truck Wash Building. The former excavation from the four diesel fuel USTs removed in 1990, was actually located further north than previously reported. This excavation, backfilled with granular material, was located immediately west of the dispenser island, beneath the southern end of the Truck Wash Building. Diesel fuel appears to have migrated along the foundation of the building into the granular backfill of the former UST excavation beneath the building. Storm water infiltration through the pavement in this area has leached contamination into shallow groundwater.

3.4 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 PNA concentrations were detected in groundwater samples collected in July 2009. Contamination is encountered in saturated and unsaturated soil. Groundwater 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 in the granular backfill installed in the trenches of the storm water and sanitary sewer utilities.

3.5 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. The following sections present a summary of those investigations and a comparison to SFBRWQCB ESL Guidance Document.

3.5.1 Selection of Appropriate ESLs

The Site has been a bakery and product distribution center since the late 1960s and will likely remain a commercial/industrial property in the 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. 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.

Groundwater in the vicinity of the Site is listed as suitable for beneficial use on the SFBRWQCB Basin Plan. However, in PSC's opinion, 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.

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 fuel contamination. TPH-d was the most frequently detected contaminant in soil or groundwater at the Site. The groundwater ESL of 210 µg/L for TPH-d was selected for comparison to groundwater concentrations at the Site.

3.5.2 Comparison of Results to ESLs

PSC compared soil sample data collected from 1989 through 2009 to the appropriate ESL selections listed in Section 2.5.1 of PSC's Tier 1 Risk Assessment. The comparison of shallow soil data is summarized in Table 7A and unsaturated deep soil in Table 7B of PSC's Tier 1 Risk Assessment. Sample locations where TPH-d concentrations exceeded the ESL are shown on **Figure 3**.

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. As previously reported, 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. A review of the UST Closure Report, revealed that these samples were waste characterization samples. This area was later excavated and disposed. Only one soil sample (E-29) exceeded the final residential ESL for TPH-g at 140 mg/kg. This sample was excavated and disposed of during the 2010 source area removal.

Nine shallow and 20 deep soil samples exceeded the final ESL 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. 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.

The extent of TPH-d in soil was delineated and the results were compared with the residential and commercial ESLs of 100 and 180 mg/kg, respectively for non-drinking water sites. Historical soil sample analytical data are summarized on **Tables 1D and 1E**. Historical groundwater analytical data for well samples is presented in **Table 2D and 2E**. TPH-d concentrations in historic soil samples and groundwater well samples from July 22, 2009 are shown on geologic cross-sections in **Figures 5 and 6**.

3.6 Contaminant Fate and Transport

TPH-d contamination in soil exists in the source areas at depths between 2 and 10 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. As previously discussed, a permeable saturated sand and gravel layer was observed during the source area removal. Diesel fuel appears to have migrated along the Truck Wash Building foundation and impacted the granular backfill of the former diesel fuel UST excavation. This contamination has leached to groundwater and the granular backfill in this excavation is regarded as a secondary source. This primary and secondary source of contamination has been removed by excavation and disposal as described in this report.

PSC's previous CSM was based on the opinion that storm water infiltrating the pavement has been impacted by diesel fuel in the source areas. Storm water was thought to migrate through granular material in the sub base of the pavement and the backfill of the sanitary sewer. Contaminated storm water in the backfill of the settling tank and sanitary sewer has apparently migrated along the sewer line and contaminated soil beneath King Street. Observations made during the source removal revealed misconceptions in this model. The granular saturated soils encountered at approximately 9 to 10 feet bgs in the excavation was impacted by contaminants migrating along the footing of the Truck Wash Building. This contamination then migrated to the granular backfill material in the former excavation of the four diesel fuel USTs. This excavation was closer to the source than previously reported. This contamination leached to the groundwater in the shallow permeable zone at 10 feet bgs. Based on boring logs, this zone is laterally discontinuous across the Site. This may explain isolated soil contamination found beneath King Street.

The storm water sewers located along the western side of the plant and beneath King Street could also be a conduit for contaminant migration. However, depth of these utilities near the source areas is only 3-4 feet deep. Based on shallow soil samples near the on-site storm sewers, there is less of a potential for these to be a migration pathway.

Groundwater beneath the Site is encountered in semi-confined conditions. Shallow groundwater was 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 shallow groundwater in the shared excavation of the former oven fuel tanks. Minor groundwater contamination in wells MW-101 through MW-104 is likely the result of this contaminant transport.

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, contaminant transport through this migration pathway has less of a potential to be complete.

3.7 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. In addition, the bakery building and buildings near the Site have elevated slabs. The nearest receptors are the bakery plant, which has an elevated floor slab on the west side of the building. Soil vapor intrusion into this building is not likely to occur. The completion of this potential exposure pathway is not very likely. Based upon analytical data from historical subsurface investigations and soil vapor intrusion surveys from similar sites, PSC believes that a soil-vapor intrusion study is unnecessary to evaluate the potential health risks associated with exposure via inhalation of volatiles from the subsurface.

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

petroleum-hydrocarbon 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. Two abandoned public water supply wells (PRW1 and PRW2) are located northeast of the Site within 2,000 feet. One of the wells is located approximately 700 feet north-northeast and the other water well is approximately 1,400 feet east-northeast of the Site. Both abandoned water supply wells are hydraulically up gradient of the Site. Environmental Data Resources (EDR) records do not indicate any active water supply or irrigation wells within the search radius. The future 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 installed in an industrial area this close to the Brooklyn Basin is very low.

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 exceeding ESLs are limited to a small area. Discharge of contaminated groundwater to surface water at levels that exceed the ESL for marine habitats is unlikely.

Construction workers may have direct exposure to residual contamination in groundwater, if excavation and/or dewatering activities occur at the Site in the future. There is also a potential construction-worker exposure risk for excavation work on utilities beneath King Street. Source removal should significantly reduce the potential exposure.

3.8 Residual Petroleum Hydrocarbons in Soil

In previous reports, 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 the Tier 1 Risk Assessment and Request for Closure.

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.

PSC originally estimated the extent of residual petroleum hydrocarbons in soil (pre-source removal) 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. Using a thickness of 17 feet and average concentrations of samples exceeding the ESLs, PSC estimated approximately 5,782 Kg of TPH-d in soil.

PSC has revised these (pre-source area removal) estimates to include all samples collected in areas that are delineated by the samples exceeding the ESLs. The original estimate was biased high because samples with trace amounts of contaminants or samples with no detectable contaminants were not included in the average concentration in those areas. In addition, samples previously used in the average were samples originally collected before over excavation of soil in 1990 and 1991. A review of the UST removal reports indicate these source area soils were subsequently removed. In addition, the unit weight of soil was revised based on data from the source removal. The revised estimate of 3,382 Kg was based on all samples collected in three areas including a small area (50 ft²), a medium sized area around the former Truck Maintenance Garage (1,500 ft²), and a large area around the diesel fuel dispenser island stretching out into King Street (6,400 ft²). This revised mass estimate is presented in **Table 3A**.

PSC calculated the mass of TPH-d removed during the source area removal using the unit weight of soil calculated by weigh tickets and the dimensions of the excavation together with the concentrations of all soil samples collected in the mass removed. This resulted in approximately 1,552 Kg of TPH-d removed. This mass estimate is presented in **Table 3B**.

The area of residual hydrocarbons in the three areas (post-source area removal) was then calculated using the three areas and subtracting the volume of source area soil removed. This resulted in an estimate of only 748 Kg of TPH-d. These three estimates do not balance out due to the significant reduction in the average concentrations used. PSC believes a good estimate of residual TPH-d is a range of between 748 kg and 1,800 kg of TPH-d. The post source removal mass estimate is presented on **Table 3C**. Input parameters for each estimate are presented in **Table 5**.

3.9 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 were not included in the ESL comparisons. However, these groundwater grab samples were used to estimate the area where residual hydrocarbons are found. Groundwater is encountered in semi-confined conditions at a depth of approximately 10 feet in the source area and 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. A total thickness of 20 feet for groundwater was used for the mass estimates.

PSC originally used groundwater samples from a single groundwater monitoring event. Based on the opinion that residual hydrocarbons may be remaining near areas where grab samples were collected, the area of impact was estimated in a larger area. Average concentrations in the wells in these areas were used. This resulted in an estimate of 0.55 Kg of TPH-d in groundwater.

The groundwater analytical data from the post source area removal indicates that TPH-d concentrations in groundwater samples from the monitoring wells were below the ESL of 210 µg/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 quarterly groundwater-monitoring events.

3.10 Summary of Tier 1 Risk Assessment Conclusions

Soil contaminated with residual petroleum hydrocarbons beneath the Site is primarily located south of the former diesel pump island and shared excavation for the former diesel 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 approximately 150-ft² 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 4,500 ft² area south of 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 shallow groundwater have been impacted by residual petroleum hydrocarbons at the Site, and the stable concentration of TPH-d, migration through the shallow aquifer is considered minimal. Concentrations in groundwater should continue to decrease because of the contaminant mass removed from soil and groundwater during the source area removal.

4.0 CASE CLOSURE JUSTIFICATION

PSC completed removal of soil and groundwater contaminated by TPH-d in accordance with request by ACEH. Based upon data obtained from the source area removal, 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.

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 encountered. Layers of sand, gravel and silty sand are encountered at approximately 10 feet bgs in some borings on site. This layer does not appear to be laterally continuous. Groundwater in these permeable layers is under semi-confined conditions. Water encountered in the gravel backfill material of the former shared diesel UST excavation and the source area appears to recharge groundwater in shallow permeable layers.

Based upon comparisons of 275 soil samples collected since 1989, an area of approximately 7,950 ft² may be impacted with residual petroleum hydrocarbons above the residential ESL. Approximately 800 ft² of this area exceeded the gross contamination ESL and defines the primary source area with an additional 150 ft² located beneath King Street. PSC removed an additional 1,100 ft² of soil based anticipated source area beneath the Truck Wash Building and on field observations during source removal activities. PSC has estimated the residual mass of TPH-d between 748 and 1,800 Kg.

An approximate 7,950-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.

Samples from MW-101 through MW-104 have not exceeded the ESL of 210 µg/L. Based on groundwater concentrations in the shallow sand, the gravel and silty-sand layers at 10 and 20 feet bgs at the Site appears to be stable. PSC anticipates that these groundwater concentrations will continue to decrease considering the contaminant mass removed from the source area.

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 near 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 has been completed at the Site. The CAP for source removal included excavating TPH-d contaminated soil in an approximately 1,800-ft² area around the former dispenser island to a depth of 12 feet bgs. The plan in the CAP included dewatering activities, the removal of the former Truck Wash Building, the settling tank and the utilities supplying the building. Observations in the field expanded the excavation slightly. A total of 1,223 tons of soil contaminated with TPH-d were removed from the excavation. PSC estimates that a volume of 20,500 cubic feet or 755 cubic yards of soil was removed. This results in a bulk density of 120 pounds per cubic foot. This estimated density was used in revised estimates of residual mass discussed in Section 3 of this report.

Samples of contaminated soils, that were later removed, were collected in order to verify the necessity of source removal. Soil samples were also collected around the perimeter of the excavation at the depth near the shallow permeable zone, where the highest staining and odor were observed. Three of the 17 confirmation soil samples had detectable concentrations of TPH-d. These three samples had concentrations below the leaching to groundwater ESL. After sample collection, Rumex backfilled the excavation with crushed gravel and aggregate base course material. The backfill was compacted and after compaction testing, the excavation area was resurfaced with reinforced concrete pavement.

Post source removal concentrations of TPH-d in groundwater were only slightly lower than pre source removal samples. These levels are below the Commercial ESL of 210 µg/L. PSC

anticipates reductions in the concentrations of TPH-d in groundwater in the future due to contaminant mass removed during the source area removal.

PSC formally requests 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 near future;
- Groundwater is not suitable for a drinking water resource;
- No significant groundwater impact has been observed above the ESLs except the 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.

It is PSC's opinion that no further action should be required for the Site.

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TABLES

Table 1A
Source Removal
Confirmation Soil Sample - Analytical Results

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

Environmental Screening Levels (mg/kg) Commercial/Industrial Land Use			Benzene	Toluene	Ethylbenzene	Total Xylenes	TPH-d	Naphthalene
Leaching to Groundwater ESL			2.0	9.3	4.7	11	180	4.7
Direct Exposure (Industrial Worker) ESL			0.27	210	5.0	100	450	210
Gross Contamination Ceiling ESL <3M			870	650	400	420	500	400
Gross Contamination Ceiling ESL >3M			870	650	400	420	5,000	400
Final ESL for Soil			0.27	9.3	4.7	11	180	4.7
Sample Identification	Collection Date	Depth (feet bgs)	Sample Concentration (mg/kg)					
SR-CS-01	10/20/10	11	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 1.0	< 0.0050
SR-CS-02	10/19/10	11	< 0.0050	< 0.0050	< 0.0050	< 0.0050	60	< 0.0050
SR-CS-03	10/19/10	11	< 0.0050	< 0.0050	< 0.0050	< 0.0050	50	< 0.0050
SR-CS-04	10/19/10	11	< 0.0050	< 0.0050	< 0.0050	< 0.0050	150	< 0.0050
SR-CS-05	10/27/10	15	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 1.0	< 0.0050
SR-CS-06	10/27/10	15	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 1.0	< 0.0050
SR-CS-07	10/27/10	15	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 1.0	< 0.0050
SR-CS-08	10/27/10	15	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 1.0	< 0.0050
SR-CS-09	10/26/10	16	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 1.0	< 0.0050
SR-CS-10	10/26/10	16	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 1.0	< 0.0050
SR-CS-11	10/25/10	16	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 1.0	< 0.0050
SR-CS-12	10/25/10	16	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 1.0	< 0.0050
SR-CS-13	10/25/10	16	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 1.0	< 0.0050
SR-CS-14	10/22/10	16	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 1.0	< 0.0050
SR-CS-15	10/22/10	16	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 1.0	< 0.0050
SR-CS-16	10/22/10	16	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 1.0	< 0.0050
SR-CS-17	10/20/10	11	< 0.0050	< 0.0050	< 0.0050	< 0.0050	< 1.0	< 0.0050
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, (May 2008) Reported value exceeds associated ESL.								

**Table 1B
Source Removal
Removed Material - Verification Soil Sample Results**

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

Environmental Screening Levels (mg/kg) Commercial/Industrial Land Use			Benzene	Toluene	Ethylbenzene	Total Xylenes	TPH-d	Naphthalene
Leaching to Groundwater ESL			2.0	9.3	4.7	11	180	4.7
Direct Exposure (Industrial Worker) ESL			0.27	210	5.0	100	450	210
Gross Contamination Ceiling ESL <3M			870	650	400	420	500	400
Gross Contamination Ceiling ESL >3M			870	650	400	420	5,000	400
Final ESL for Soil			0.27	9.3	4.7	11	180	4.7
Sample Identification	Collection Date	Depth (feet bgs)	Sample Concentration (mg/kg)					
SR-OWS	10/19/10	10	< 0.0050	< 0.0050	< 0.0050	< 0.0050	1,800	0.016
SR-PI	10/22/10	8	< 0.025	< 0.025	< 0.025	< 0.025	12,000	0.68
SR-PI	10/22/10	16	< 0.0050	< 0.0050	< 0.0050	< 0.0050	33	< 0.0050
Notes: mg/kg - Milligrams-per-kilogram TPH-d - Total Petroleum Hydrocarbons quantified as diesel. SFBRWQCB Environmental Screening Levels, (May 2008) Reported value exceeds associated ESL. 								

Table 1 C
Historical Soil Samples Removed During Source Removal
Soil Samples Collected from 2003 through 2010

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

Environmental Screening Levels (mg/kg) Commercial/Industrial Land Use			Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	TPH-g	TPH-d	TPH-mo	Naphthalene
Leaching to Groundwater ESL			2.0	9.3	4.7	11	8.4	180	180	-	4.7
Direct Exposure (Industrial Worker) ESL			0.27	210	5.0	100	65	450	450	3,700	210
Gross Contamination Ceiling ESL <3M			870	650	400	420	500	500	500	2,500	400
Gross Contamination Ceiling ESL >3M			870	650	400	420	1,000	5,000	5,000	5,000	400
Final ESL for Soil			0.27	9.3	4.7	11	8.4	180	180	2,500	4.7
Sample Identification	Collection Date	Depth (feet bgs)	Sample Concentration (mg/kg)								
Trench-4	03/08/2005	4	<0.005	<0.005	<0.005	<0.005	<0.010	<1.0	<1.0	NA	NA
Trench-5	03/08/2005	4	<0.005	<0.005	<0.005	<0.005	<0.010	48	1,700	NA	NA
E26	09/21/2006	4	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	4.1	<10	NA
E29	09/21/2006	4	<0.005	<0.005	<0.005	<0.005	<0.005	31	3,100	<20	NA
E36	09/11/2006	4	<0.005	<0.005	<0.005	<0.005	<0.005	NA	1.6	NA	NA
Probe Hole-1	04/09/2003	4.5	<0.62	<0.62	<0.62	<0.62	NA	NA	3,300	NA	NA
E28	09/11/2006	4.5	<0.005	<0.005	<0.005	<0.005	<0.005	NA	76	NA	NA
E33	09/11/2006	4.5	<0.005	<0.005	<0.005	<0.005	<0.005	NA	520	NA	NA
E35	09/11/2006	6	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<1.0	NA	NA
E31	09/11/2006	6.5	<0.005	<0.005	<0.005	<0.005	<0.005	NA	44	NA	NA
E29	09/21/2006	8	<0.005	<0.005	<0.005	<0.005	<0.005	140	3,800	<20	NA
E33	09/11/2006	8	<0.005	<0.005	<0.005	<0.005	<0.005	NA	30	NA	NA
SR-PI	10/22/2010	8	<0.025	<0.025	<0.025	<0.025	NA	NA	12,000	NA	0.68
E36	09/11/2006	8.5	<0.005	<0.005	<0.005	<0.005	<0.005	NA	1.3	NA	NA
E28	09/11/2006	10	<0.005	<0.005	<0.005	<0.005	<0.005	NA	58	NA	NA
E35	09/11/2006	10	<0.005	<0.005	<0.005	<0.005	<0.005	NA	570	NA	NA
E36	09/11/2006	10	<0.005	<0.005	<0.005	<0.005	<0.005	NA	5,100	NA	NA
SR-OWS	10/19/2010	10	<0.005	<0.005	<0.005	<0.005	NA	NA	1,800	NA	0.016
DW-1 (5-6.5)	01/20/2009	5 - 6.5	< 0.005	< 0.005	< 0.005	< 0.005	NA	NA	53	NA	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	NA
E31	09/11/2006	10.5	<0.005	<0.005	<0.005	<0.005	<0.005	NA	300	NA	NA
E26	09/21/2006	11	<0.005	<0.005	<0.005	<0.005	<0.005	1.2	470	22	NA
E29	09/21/2006	12	<0.005	<0.005	<0.005	<0.005	<0.005	4.7	590	17	NA
E33	09/11/2006	12	<0.025	<0.025	<0.025	<0.025	<0.025	NA	7,500	NA	NA
E26	09/21/2006	13	<0.005	<0.005	<0.005	<0.005	<0.005	5.2	260	28	NA
E29	09/21/2006	14	<0.005	<0.005	<0.005	<0.005	<0.005	6.9	200	<10	NA
E35	09/11/2006	14	<0.005	<0.005	<0.005	<0.005	<0.005	NA	2.3	NA	NA
E31	09/11/2006	14.5	<0.005	<0.005	<0.005	<0.005	<0.005	NA	8.0	NA	NA
E28	09/11/2006	15	<0.005	<0.005	<0.005	<0.005	<0.005	NA	5.8	NA	NA
E36	09/11/2006	15	<0.005	<0.005	<0.005	<0.005	<0.005	NA	1.9	NA	NA
E29	09/21/2006	16	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	1.5	<10	NA
E31	09/11/2006	16	<0.005	<0.005	<0.005	<0.005	<0.005	NA	5.0	NA	NA
E33	09/11/2006	16	<0.005	<0.005	<0.005	<0.005	<0.005	NA	6.9	NA	NA
SR-PI	10/22/2010	16	<0.005	<0.005	<0.005	<0.005	<0.005	NA	33	NA	<0.005
DW-1 (10-11.5')	01/20/2009	10 - 11.5	<0.005	<0.005	<0.005	<0.005	NA	NA	16	NA	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	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	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, (May 2008)
Reported value exceeds associated ESL.

**Table 1D
Remaining Historical Analytical Data
Residual Shallow Soil (<3 meters)**

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

Environmental Screening Levels (mg/kg) Commercial/Industrial Land Use			Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	TPH-g	TPH-d	TPH-mo
Leaching to Groundwater ESL			2.0	9.3	4.7	11	8.4	180	180	-
Direct Exposure (Industrial Worker) ESL			0.27	210	5.0	100	65	450	450	3,700
Gross Contamination Ceiling ESL <3M			870	650	400	420	500	500	500	2,500
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)							
MW-1	08/27/1992	10	<0.005	<0.005	<0.005	<0.005	NA	NA	560	<10
MW-2	08/27/1992	5	<0.005	<0.005	<0.005	<0.005	NA	<0.5	NA	NA
MW-2	08/27/1992	10	<0.005	<0.005	<0.005	<0.005	NA	NA	83	<10
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
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
E4	09/12/2006	10	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	5.6	NA
E5	09/12/2006	5	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	1.7	NA
E5	09/12/2006	10	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	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
E6	09/12/2006	10	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	4.1	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
E8	09/12/2006	10	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA
E11	09/12/2006	5	<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	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	<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

**Table 1D
Remaining Historical Analytical Data
Residual Shallow Soil (<3 meters)**

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

Environmental Screening Levels (mg/kg) Commercial/Industrial Land Use			Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	TPH-g	TPH-d	TPH-mo
Leaching to Groundwater ESL			2.0	9.3	4.7	11	8.4	180	180	-
Direct Exposure (Industrial Worker) ESL			0.27	210	5.0	100	65	450	450	3,700
Gross Contamination Ceiling ESL <3M			870	650	400	420	500	500	500	2,500
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)							
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
E25	09/13/2006	10	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	23	NA
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
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
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
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
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
E40	09/13/2006	10	<0.005	<0.005	<0.005	<0.005	<0.005	NA	190	NA
E41	03/28/2007	5	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	4.5	19
E41	03/28/2007	10	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	33	180

**Table 1D
Remaining Historical Analytical Data
Residual Shallow Soil (<3 meters)**

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

Environmental Screening Levels (mg/kg) Commercial/Industrial Land Use			Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	TPH-g	TPH-d	TPH-mo
Leaching to Groundwater ESL			2.0	9.3	4.7	11	8.4	180	180	-
Direct Exposure (Industrial Worker) ESL			0.27	210	5.0	100	65	450	450	3,700
Gross Contamination Ceiling ESL <3M			870	650	400	420	500	500	500	2,500
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)							
E42	03/29/2007	5	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	1.6	< 10
E42	03/29/2007	10	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	17	15
E43	03/29/2007	5	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	8.8	29
E43	03/29/2007	10	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	7.2	23
E44	03/28/2007	5	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	5.6	20
E44	03/28/2007	10	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	< 1.0	< 10
E45	03/29/2007	5	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	19	92
E45	03/29/2007	10	<0.005	<0.005	<0.005	<0.005	<0.005	1.4	350	< 10
E46	03/29/2007	5	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	1.7	< 10
E46	03/29/2007	10	<0.005	<0.005	<0.005	<0.005	<0.005	29	1,800	< 10
E47	03/28/2007	5	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	80	NA
E47	03/28/2007	10	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	27	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
E49	03/29/2007	10	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	100	NA
E50	03/28/2007	5	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	65	NA
E50	03/28/2007	10	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	100	NA
E51	03/28/2007	5	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	24	NA
E51	03/28/2007	10	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	390	NA
E52	03/28/2007	5.5	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	1.4	NA
E52	03/28/2007	10	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	3.4	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	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

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

Reported value exceeds associated ESL.

Table 1E
Remaining Historical Analytical Data
Residual Saturated Deep Soil (>3 meters)

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

Environmental Screening Levels (mg/kg) Commercial/Industrial Land Use			Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	TPH-g	TPH-d	TPH-mo	Naphthalene	
Leaching to Groundwater ESL			2.0	9.3	4.7	11	8.4	180	180	-	4.7	
Direct Exposure (Const. Worker Trench) ESL			12	650	210	420	2,800	4,200	4,200	12,000	210	
Gross Contamination Ceiling ESL >3M			870	650	400	420	1,000	5,000	5,000	5,000	400	
Final ESL for Soil			2.0	9.3	4.7	11	8.4	180	180	5,000	4.7	
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	NA	
AA-1601 (Tank 2S)	10/12/1989	14 - 16	<0.05	<0.1	<0.1	<0.3	NA	NA	<10	NA	NA	
AA-1599 (Tank 3S)	10/12/1989	14 - 16	<0.05	<0.1	<0.1	<0.3	NA	NA	<10	NA	NA	
AA-1597 (Tank 4S)	10/12/1989	14 - 16	<0.05	<0.1	<0.1	<0.3	NA	NA	<10	NA	NA	
MW-1	08/27/1992	15	<0.005	<0.005	<0.005	<0.005	NA	NA	<10	<10	NA	
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	<0.005	<0.005	<0.005	<0.005	NA	NA	<10	<10	NA	
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	NA	
MW-2	08/27/1992	25	<0.005	<0.005	<0.005	<0.005	NA	<0.5	NA	NA	NA	
MW-2	08/27/1992	28	<0.005	<0.005	<0.005	<0.005	NA	<0.5	NA	NA	NA	
MW-3	08/26/1992	20	<0.005	<0.005	<0.005	<0.005	NA	4.0	<10	<10	NA	
MW-4	08/27/1992	21	<0.005	<0.005	<0.005	<0.005	NA	<0.5	<10	<10	NA	
MW-5	08/26/1992	20	<0.005	<0.005	<0.005	<0.005	NA	<0.5	<10	<10	NA	
E1	09/15/2006	11.5	<0.005	<0.005	<0.005	<0.005	<0.005	3.5	710	NA	NA	
E1	09/15/2006	16	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	5.8	NA	NA	
E1	09/15/2006	20	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	5.2	NA	NA	
E2	09/15/2006	12	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	8.0	860	NA	NA
E2	09/15/2006	16	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	1.7	NA	NA	
E3	09/22/2006	12	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA	NA	
E3	09/22/2006	16	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA	NA	
E3	09/22/2006	20	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA	NA	
E5	09/12/2006	15	<0.005	<0.005	<0.005	<0.005	0.017	<1.0	<1.0	NA	NA	
E5	09/12/2006	20	<0.005	<0.005	<0.005	<0.005	0.020	<1.0	<1.0	NA	NA	
E7	09/15/2006	12	NA	NA	NA	NA	NA	NA	<1.0	NA	NA	
E7	09/15/2006	16	NA	NA	NA	NA	NA	NA	<1.0	NA	NA	
E8	09/12/2006	15	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA	NA	
E8	09/12/2006	20	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA	NA	
E9	09/21/2006	20	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	1.3	NA	NA	
E9	09/21/2006	24	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA	NA	
E9	09/21/2006	28	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA	NA	
E10	09/21/2006	16	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA	NA	
E10	09/21/2006	20	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA	NA	
E10	09/21/2006	24	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA	NA	
E10	09/21/2006	27.5	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA	NA	
E10	09/21/2006	32	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA	NA	
E11	09/12/2006	10.5	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA	NA	
E11	09/12/2006	15	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA	NA	
E11	09/12/2006	20	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA	NA	
E13	09/15/2006	12	NA	NA	NA	NA	NA	NA	<1.0	NA	NA	
E13	09/15/2006	18.5	NA	NA	NA	NA	NA	NA	<1.0	NA	NA	
E14	09/15/2006	15	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA	NA	
E15	09/21/2006	12	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA	NA	
E15	09/21/2006	19	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA	NA	
E16	09/12/2006	10.5	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA	NA	
E17	09/21/2006	12	NA	NA	NA	NA	NA	NA	<1.0	NA	NA	
E17	09/21/2006	19	NA	NA	NA	NA	NA	NA	1.5	NA	NA	

Table 1E
Remaining Historical Analytical Data
Residual Saturated Deep Soil (>3 meters)

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

Environmental Screening Levels (mg/kg) Commercial/Industrial Land Use			Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	TPH-g	TPH-d	TPH-mo	Naphthalene
Leaching to Groundwater ESL			2.0	9.3	4.7	11	8.4	180	180	-	4.7
Direct Exposure (Const. Worker Trench) ESL			12	650	210	420	2,800	4,200	4,200	12,000	210
Gross Contamination Ceiling ESL >3M			870	650	400	420	1,000	5,000	5,000	5,000	400
Final ESL for Soil			2.0	9.3	4.7	11	8.4	180	180	5,000	4.7
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	NA
E23	09/22/2006	12	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	1.1	NA	NA
E23	09/22/2006	16	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA	NA
E24	09/22/2006	15	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	1.6	NA	NA
E26	09/21/2006	19	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	1.2	<10	NA
E30	09/11/2006	12	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<1.0	NA	NA
E30	09/11/2006	15	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<1.0	NA	NA
E34	09/13/2006	12	<0.005	<0.005	<0.005	<0.005	<0.005	NA	19	NA	NA
E34	09/13/2006	19	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<1.0	NA	NA
E35	09/11/2006	18	<0.005	<0.005	<0.005	<0.005	<0.005	NA	35	NA	NA
E35	09/11/2006	21	<0.005	<0.005	<0.005	<0.005	<0.005	NA	1.2	NA	NA
E37	09/13/2006	12.5	<0.005	<0.005	<0.005	<0.005	<0.005	NA	410	NA	NA
E37	09/13/2006	15	<0.005	<0.005	<0.005	<0.005	<0.005	NA	2.4	NA	NA
E38	09/13/2006	11	<0.005	<0.005	<0.005	<0.005	<0.005	NA	420	NA	NA
E38	09/13/2006	12	<0.005	<0.005	<0.005	<0.005	<0.005	NA	140	NA	NA
E38	09/13/2006	16	<0.005	<0.005	<0.005	<0.005	<0.005	NA	1.0	NA	NA
E38	09/13/2006	19	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<1.0	NA	NA
E39	09/13/2006	12.5	<0.005	<0.005	<0.005	<0.005	<0.005	NA	37	NA	NA
E39	09/13/2006	17.5	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<1.0	NA	NA
E40	09/13/2006	12	<0.005	<0.005	<0.005	<0.005	<0.005	NA	18	NA	NA
E40	09/13/2006	16	<0.005	<0.005	<0.005	<0.005	<0.005	NA	<1.0	NA	NA
E41	03/28/2007	15	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	1.7	<10	NA
E41	03/28/2007	20	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	<10	NA
E41	03/28/2007	25	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	<10	NA
E42	03/29/2007	15	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	1.3	<10	NA
E42	03/29/2007	20	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	<10	NA
E42	03/29/2007	25	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	1.2	<10	NA
E43	03/29/2007	15	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	2.5	<10	NA
E43	03/29/2007	20	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	<10	NA
E43	03/29/2007	25	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	<10	NA
E44	03/28/2007	15	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	<10	NA
E44	03/28/2007	20	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	<10	NA
E44	03/28/2007	24	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	<10	NA
E45	03/29/2007	15	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	1.8	<10	NA
E45	03/29/2007	20	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	<10	NA
E45	03/29/2007	25	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	<10	NA
E45	03/29/2007	28	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	<10	NA
E46	03/29/2007	12	<0.005	<0.005	<0.005	<0.005	<0.005	21	180	<10	NA
E46	03/29/2007	15	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	1.2	<10	NA
E46	03/29/2007	20	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	<10	NA
E46	03/29/2007	25	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	<10	NA
E46	03/29/2007	28	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	<10	NA
E47	03/28/2007	15	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	10	NA	NA
E48	03/28/2007	12.5	<0.005	<0.005	<0.005	<0.005	<0.005	2.1	320	NA	NA
E48	03/28/2007	15	<0.005	<0.005	<0.005	<0.005	<0.005	1.0	130	NA	NA
E48	03/28/2007	20	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA	NA
E48	03/28/2007	25	<0.005	<0.005	<0.005	<0.005	<0.005	<1.0	<1.0	NA	NA

Table 1E
Remaining Historical Analytical Data
Residual Saturated Deep Soil (>3 meters)

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

Environmental Screening Levels (mg/kg) Commercial/Industrial Land Use			Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE	TPH-g	TPH-d	TPH-mo	Naphthalene
Leaching to Groundwater ESL			2.0	9.3	4.7	11	8.4	180	180	-	4.7
Direct Exposure (Const. Worker Trench) ESL			12	650	210	420	2,800	4,200	4,200	12,000	210
Gross Contamination Ceiling ESL >3M			870	650	400	420	1,000	5,000	5,000	5,000	400
Final ESL for Soil			2.0	9.3	4.7	11	8.4	180	180	5,000	4.7
Sample Identification	Collection Date	Depth (feet bgs)	Sample Concentration (mg/kg)								
E49	03/29/2007	15	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	14	NA	NA
E49	03/29/2007	20	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	< 1.0	NA	NA
E49	03/29/2007	25	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	< 1.0	NA	NA
E49	03/29/2007	28	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	< 1.0	NA	NA
E50	03/28/2007	15	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	3.0	NA	NA
E51	03/28/2007	15	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	< 1.0	NA	NA
E51	03/28/2007	20	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	< 1.0	NA	NA
E52	03/28/2007	12.5	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	220	NA	NA
E52	03/28/2007	15.5	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	180	NA	NA
E52	03/28/2007	20	<0.005	<0.005	<0.005	<0.005	<0.005	< 1.0	< 1.0	NA	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	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	NA
MW-101 (23.5-25')	01/19/2009	23.5 - 25	<0.005	<0.005	<0.005	<0.005	NA	NA	< 1.0	NA	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	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	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	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	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	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	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	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	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	NA
DW-1 (10-11.5')	01/20/2009	10 - 11.5	<0.005	<0.005	<0.005	<0.005	NA	NA	16	NA	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	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	NA
SR-CS-01	10/20/2010	11	<0.005	<0.005	<0.005	<0.005	NA	NA	<1.0	NA	<0.005
SR-CS-02	10/19/2010	11	<0.005	<0.005	<0.005	<0.005	NA	NA	60	NA	<0.005
SR-CS-03	10/19/2010	11	<0.005	<0.005	<0.005	<0.005	NA	NA	50	NA	<0.005
SR-CS-04	10/19/2010	11	<0.005	<0.005	<0.005	<0.005	NA	NA	150	NA	<0.005
SR-CS-05	10/27/2010	15	<0.005	<0.005	<0.005	<0.005	NA	NA	<1.0	NA	<0.005
SR-CS-06	10/27/2010	15	<0.005	<0.005	<0.005	<0.005	NA	NA	<1.0	NA	<0.005
SR-CS-07	10/27/2010	15	<0.005	<0.005	<0.005	<0.005	NA	NA	<1.0	NA	<0.005
SR-CS-08	10/27/2010	15	<0.005	<0.005	<0.005	<0.005	NA	NA	<1.0	NA	<0.005
SR-CS-09	10/26/2010	16	<0.005	<0.005	<0.005	<0.005	NA	NA	<1.0	NA	<0.005
SR-CS-10	10/26/2010	16	<0.005	<0.005	<0.005	<0.005	NA	NA	<1.0	NA	<0.005
SR-CS-11	10/25/2010	16	<0.005	<0.005	<0.005	<0.005	NA	NA	<1.0	NA	<0.005
SR-CS-12	10/25/2010	16	<0.005	<0.005	<0.005	<0.005	NA	NA	<1.0	NA	<0.005
SR-CS-13	10/25/2010	16	<0.005	<0.005	<0.005	<0.005	NA	NA	<1.0	NA	<0.005
SR-CS-14	10/22/2010	16	<0.005	<0.005	<0.005	<0.005	NA	NA	<1.0	NA	<0.005
SR-CS-15	10/22/2010	16	<0.005	<0.005	<0.005	<0.005	NA	NA	<1.0	NA	<0.005
SR-CS-16	10/22/2010	16	<0.005	<0.005	<0.005	<0.005	NA	NA	<1.0	NA	<0.005
SR-CS-17	10/20/2010	11	<0.005	<0.005	<0.005	<0.005	NA	NA	<1.0	NA	<0.005

Notes:

mg/kg - Milligrams-per-kilogram	NA - Not Analyzed.
MTBE - Methyl Tertiary Butyl Ether.	ESL - SFBRWQCB Environmental Screening Levels, Table B-2 (May 2008)
TPH-g - Total Petroleum Hydrocarbons quantified as gasoline.	Reported value exceeds associated ESL.
TPH-d - Total Petroleum Hydrocarbons quantified as diesel.	
TPH-mo - Total Petroleum Hydrocarbons quantified as motor oil.	

**Table 2A
Historical Monitoring Well Construction Data**

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

Monitoring Well	Date Installed	Casing Elevation ¹ (feet MSL)	Casing Material	Boring Depth (feet bgs)	Well Depth (feet bgs)	Boring Diameter (inches)	Casing Diameter (inches)	Slot Size (inches)	Screened Interval (feet bgs)	Filter Pack Interval (feet bgs)	Filter Pack Sand
MW-1	8/27/1992	10.64¹	PVC	31.0	25	8	2	0.010	18.0-25.0	15.5-25.0	#2/12
MW-2	8/27/1992	11.20¹	PVC	29.5	29.5	8	2	0.010	18.0-29.5	16.0-29.5	#2/12
MW-3	8/26/1992	10.92¹	PVC	27.0	27.0	8	2	0.010	7.0-27.0	6.5-27.0	#2/12
MW-4	8/27/1992	12.04¹	PVC	34.0	34.0	8	2	0.010	19.0-34.0	16.0-34.0	#2/12
MW-5	8/26/1992	14.39¹	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:

Well properly abandoned and destroyed

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 2B
Historical 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-1¹	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
Well Abandoned in 1996				
MW-2¹	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
Well Abandoned in 1996				

**Table 2B
Historical 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-3¹	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
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
Well Abandoned in 1996				
MW-4¹	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
Well Abandoned in 1996				
MW-5¹	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

**Table 2B
Historical 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	05/19/1993	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
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
Well Abandoned in 1996				
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-101	01/28/2010	13.90	7.68	6.22
MW-101	08/24/2010	13.90	9.50	4.40
MW-101	12/10/2010	13.90	7.68	6.22
MW-101	02/02/2011	13.90	8.56	5.34
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-102	01/28/2010	14.19	9.70	4.49
MW-102	08/24/2010	14.19	9.75	4.44
MW-102	12/10/2010	14.19	8.16	6.03
MW-102	02/02/2011	14.19	9.37	4.82
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-103	01/28/2010	13.75	7.75	6.00
MW-103	08/24/2010	13.75	9.03	4.72
MW-103	12/10/2010	13.75	7.67	6.08
MW-103	02/02/2011	13.75	8.51	5.24

Table 2B
Historical 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-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
MW-104	01/28/2010	13.65	8.02	5.63
MW-104	08/24/2010	13.65	9.00	4.65
MW-104	12/10/2010	13.65	7.60	6.05
MW-104	02/02/2011	13.65	8.38	5.27
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
DW-1	01/28/2010	14.05	7.84	6.21
DW-1	08/24/2010	14.05	9.00	5.05
DW-1				
DW-1				
Well destroyed during source area removal				

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

**Table 2C
Pre and Post Source Removal
Groundwater Well Samples**

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

Monitoring Well	Collection Date	Concentration and Associated ESLs (µg/L)							
		Benzene (46)	Toluene (130)	Ethylbenzene (43)	Total Xylenes (100)	MTBE (1,800)	TPH-g (210)	TPH-d (210)	TPH-mo (210)
MW-101	08/24/2010	<0.50	<0.50	<0.50	<0.50	NA	NA	110	NA
MW-101	12/10/2010	<0.50	<0.50	<0.50	<0.50	NA	NA	86	NA
MW-101	02/02/2011	<0.50	<0.50	<0.50	<0.50	NA	NA	61	NA
MW-102	08/24/2010	<0.50	<0.50	<0.50	<0.50	NA	NA	89	NA
MW-102	12/10/2010	<0.50	<0.50	<0.50	<0.50	NA	NA	160	NA
MW-102	02/02/2011	<0.50	<0.50	<0.50	<0.50	NA	NA	110	NA
MW-103	08/24/2010	<0.50	<0.50	<0.50	<0.50	NA	NA	<50	NA
MW-103	12/10/2010	<0.50	<0.50	<0.50	<0.50	NA	NA	<50	NA
MW-103	02/02/2011	<0.50	<0.50	<0.50	<0.50	NA	NA	53	NA
MW-104	08/24/2010	<0.50	<0.50	<0.50	<0.50	NA	NA	100	NA
MW-104	12/10/2010	<0.50	<0.50	<0.50	<0.50	NA	NA	84	NA
MW-104	02/02/2011	<0.50	<0.50	<0.50	<0.50	NA	NA	92	NA
DUP	8/24/2010**	<0.50	<0.50	<0.50	<0.50	NA	NA	140	NA
	12/10/2010**	<0.50	<0.50	<0.50	<0.50	NA	NA	200	NA
	2/2/2011**	<0.50	<0.50	<0.50	<0.50	NA	NA	120	NA

Notes:

** Duplicate of MW-102

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 2D
Historical Analytical Data
Groundwater Well Samples**

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

Monitoring Well	Collection Date	Concentration and Associated ESLs (µg/L)							
		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 Abandoned 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
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 Abandoned in 1996									

**Table 2D
Historical Analytical Data
Groundwater Well Samples**

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

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

**Table 2D
Historical Analytical Data
Groundwater Well Samples**

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

Monitoring Well	Collection Date	Concentration and Associated ESLs (µg/L)							
		Benzene (46)	Toluene (130)	Ethylbenzene (43)	Total Xylenes (100)	MTBE (1,800)	TPH-g (210)	TPH-d (210)	TPH-mo (210)
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 Abandoned in 1996									
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-101	01/28/2010	<0.50	<0.50	<0.50	<0.50	NA	NA	64	NA
MW-101	08/24/2010	<0.50	<0.50	<0.50	<0.50	NA	NA	110	NA
MW-101	12/10/2010	<0.50	<0.50	<0.50	<0.50	NA	NA	86	NA
MW-101	02/02/2011	<0.50	<0.50	<0.50	<0.50	NA	NA	61	NA

**Table 2D
Historical Analytical Data
Groundwater Well Samples**

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

Monitoring Well	Collection Date	Concentration and Associated ESLs (µg/L)							
		Benzene (46)	Toluene (130)	Ethylbenzene (43)	Total Xylenes (100)	MTBE (1,800)	TPH-g (210)	TPH-d (210)	TPH-mo (210)
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-102	01/28/2010	<0.50	<0.50	<0.50	<0.50	NA	NA	54	NA
MW-102	08/24/2010	<0.50	<0.50	<0.50	<0.50	NA	NA	89	NA
MW-102	12/10/2010	<0.50	<0.50	<0.50	<0.50	NA	NA	160	NA
MW-102	02/02/2011	<0.50	<0.50	<0.50	<0.50	NA	NA	110	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-103	01/28/2010	<0.50	<0.50	<0.50	<0.50	NA	NA	63	NA
MW-103	08/24/2010	<0.50	<0.50	<0.50	<0.50	NA	NA	<50	NA
MW-103	12/10/2010	<0.50	<0.50	<0.50	<0.50	NA	NA	<50	NA
MW-103	02/02/2011	<0.50	<0.50	<0.50	<0.50	NA	NA	53	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
MW-104	01/28/2010	<0.50	<0.50	<0.50	<0.50	NA	NA	68	NA
MW-104	08/24/2010	<0.50	<0.50	<0.50	<0.50	NA	NA	100	NA
MW-104	12/10/2010	<0.50	<0.50	<0.50	<0.50	NA	NA	84	NA
MW-104	02/02/2011	<0.50	<0.50	<0.50	<0.50	NA	NA	92	NA

**Table 2D
Historical Analytical Data
Groundwater Well Samples**

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

Monitoring Well	Collection Date	Concentration and Associated ESLs (µg/L)							
		Benzene (46)	Toluene (130)	Ethylbenzene (43)	Total Xylenes (100)	MTBE (1,800)	TPH-g (210)	TPH-d (210)	TPH-mo (210)
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
DW-1	01/28/2010	NS	NS	NS	NS	NS	NS	NS	NS
DW-1	08/24/10	0.83	1.4	<0.50	1.0	NA	NA	970	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 - SFBWQCB Environmental Screening Levels, Table F-1b (May 2008)

Reported value exceeds associated ESL.

Table 2E
Historical Groundwater Analytical Data
Poly-Nuclear Aromatic Hydrocarbons

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

Well ID	Sample Collection Date	Parameter Concentration (µg/L)							
		Naphthalene ESL = 24	Acenaphthylene ESL = 30	Acenaphthene ESL = 23	Fluorene ESL = 39	Phenanthrene ESL = 4.6	Anthracene ESL = 0.73	Fluoranthene ESL = 8.0	Pyrene ESL = 2.0
MW-101	7/22/09	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/28/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/24/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/10/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/2/11	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-102	7/22/09	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/28/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/24/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/10/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/2/11	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-103	7/22/09	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/28/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/24/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/10/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/2/11	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW-104	7/22/09	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/28/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/24/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/10/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/2/11	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DW-1	7/22/09	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/28/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/24/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/10/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/2/11	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
DUP	7/22/2009**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/28/2010**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	8/24/2010**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	12/10/2010**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	2/2/2011**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Table 2E
Historical Groundwater Analytical Data
Poly-Nuclear Aromatic Hydrocarbons

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

Well ID	Sample Collection Date	Parameter Concentration (µg/L)							
		Benzo (a) Anthracene ESL = 0.027	Chrysene ESL = 0.35	Benzo (b) Fluoranthene ESL = 0.029	Benzo (k) Fluoranthene ESL = 0.40	Benzo (a) Pyrene ESL = 0.014	Dibenz (a,h) Anthracene ESL = 0.25	Benzo (g,h,i) Perylene ESL = 0.10	Indeno (1,2,3-c,d) Pyrene ESL = 0.048
MW-101	7/22/09	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0
	1/28/10	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0
	8/24/10	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0
	12/10/10	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0
	2/2/11	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0
MW-102	7/22/09	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0
	1/28/10	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0
	8/24/10	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0
	12/10/10	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0
	2/2/11	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0
MW-103	7/22/09	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0
	1/28/10	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0
	8/24/10	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0
	12/10/10	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0
	2/2/11	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0
MW-104	7/22/09	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0
	1/28/10	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0
	8/24/10	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0
	12/10/10	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0
	2/2/11	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0
DW-1	7/22/09	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0
	1/28/10	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0
	8/24/10	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0
	12/10/10	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0
	2/2/11	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0
DUP	7/22/2009**	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0
	1/28/2010**	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0
	8/24/2010**	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0
	12/10/2010**	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0
	2/2/2011**	<1.0	<1.0	<1.0	<1.0	<0.20	<1.0	<1.0	<1.0

Notes:

*DUP = duplicate sample for DW-1

**DUP = duplicate sample for MW-102

DW = de-watering well

ESL = environmental screening level according to ESL Document Table F-1b

µg/L = micrograms-per-liter

Table 3A
Revised Estimate of Residual TPH-d in Soil
Pre Source Area Removal

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

Based on Samples Collected 2006 through 2009

Total Petroleum Hydrocarbons - Diesel in Soil			
Area of Residual	Small Area near E-6	Medium Area Near Former Truck Maintenance Garage	Large Area Near Dispenser Island Source Plus Source Area
Area (sq.ft.)	50	1,500	6,400
Unit Weight of Soil (lb/ft ³)	120	120	120
Impact Thickness (ft.)	5	21	17
kg/lb Conversion	0.453	0.453	0.453
Avg. TPH-d Conc. (mg/kg)	13	131	534
Mass Conversion (mg/kg)	0.000001	0.000001	0.000001
TPH-d Mass (Kg)	0.17	223.46	3,158.27
Total TPH-d Mass (Kg) in Soil		3,382	
Total TPH-d Mass (lb) in Soil		7,440	

Contaminant Mass = Area x Unit Weight x Impact Thickness x 0.453 kg/lb x Avg. Conc. (mg/kg) x 1 E-6 kg/mg

**Table 3B
Estimate of TPH-d in Soil Removed**

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

Total Petroleum Hydrocarbons - Diesel in Soil	
Source Area Removed	
Area (sq.ft.)	1,900
Unit Weight of Soil (lb/ft ³)	120
Impact Thickness (ft.)	12.5
kg/lb Conversion	0.453
Avg. TPH-d Conc. (mg/kg)	1,202
Mass Conversion (mg/kg)	0.000001
Total TPH-d Mass (Kg) in Soil	1,552
Total TPH-d Mass (lb) in Soil	3,414

Contaminant Mass = Area x Unit Weight x Impact Thickness x 0.453 kg/lb x Avg. Conc. (mg/kg) x 1 E-6 kg/mg

Table 3C
Revised Estimate of Residual TPH-d in Soil
Post Source Area Removal

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

Based on Samples Collected 2006 through 2009

Total Petroleum Hydrocarbons - Diesel in Shallow Soil (<3m)			
Area of Residual	Small Area near E-6	Medium Area Near Former Truck Maintenance Garage	Large Area Near Dispenser Island Source
Area (sq.ft.)	50	1,500	4,500
Unit Weight of Soil (lb/ft ³)	120	120	120
Impact Thickness (ft.)	5	21	17
kg/lb Conversion	0.453	0.453	0.453
L/Gal Conversion	1	1	1
Avg. TPH-d Conc. (mg/kg)	13	131	126
Mass Conversion (mg/kg)	0.000001	0.000001	0.000001
TPH-d Mass (Kg)	0.17	223.46	523.98
Total TPH-d Mass (Kg) in Soil		747.61	
Total TPH-d Mass (lb) in Soil		1,645	

Contaminant Mass = Area x Unit Weight x Impact Thickness x 0.453 kg/lb x Avg. Conc. (mg/kg) x 1 E-6 kg/mg

**Table 4
Estimate of Residual TPH-d in Groundwater
Post Source Area Removal**

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

Based on Samples Collected from 1993 through 2010

Total Petroleum Hydrocarbons - Diesel Fuel in Groundwater		
Parameter	0 to 100 Contour	Over 100
Area (sq.ft.)	9,300	6,000
Porosity	0.30	0.30
Groundwater Thickness (ft.)	20	20
Gal/c.f. Conversion	7.5	7.5
L/Gal Conversion	3.785	3.785
Avg. TPH-d Conc. (ug/L)	77	423
Mass Conversion	0.000000001	0.000000001
TPH-d Mass (Kg)	0.1220	0.4323
Total TPH-d Mass (Kg)	0.55	
Total TPH-d Mass (lb)	1.2194	

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 5
Input Data for Estimate of Contaminant Mass in soil and Groundwater
Based on Soil Samples Collected from 2006 through 2010

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

Revised Pre Source Removal Estimate of TPH-d in Soil				
Input Parameter	Units	Value	Notation	Source Reference
Estimated Area	sq. ft.	7,950	Combination of areas with over 10 mg/kg TPH-d, including Source Area.	Attached Figure 4
Unit Weight of Soil	lbs/ft ³	120	Soil removed during excavation divided by the size of the excavation subtracting approximately 3,000 ft ³ for concrete, footings, drain boxes, settling tank, slab, and wells.	Attached Figures 4, 5, 6, and 7
Thickness of impacted soil	vertical ft.	5, 21, and 17	Estimate based on soil samples used for average concentrations.	Historical soil sample results removed from the source area Table 1C.
Average Concentration	mg/kg	13, 131, and 534	Used average concentration of TPH-d from all soil samples collected in the respective areas.	Historical soil sample results removed from the source area Table 1C.

Removed Source Area Soil				
Input Parameter	Units	Value	Notation	Source Reference
Estimated Area	sq. ft.	1,900	Source area excavation completed in November 2010.	Attached Figure 4
Unit Weight of Soil	lbs/ft ³	120	Soil removed during excavation divided by the size of the excavation subtracting approximately 3,000 ft ³ for concrete, footings, drain boxes, settling tank, slab, and wells.	Attached Figures 4, 5, 6, and 7
Thickness of removed impacted source material in intermediate concentration range	vertical ft.	12.5	Estimate based on the first observed impact at 2 feet bgs to the average depth to the bottom of the excavation at 14 feet bgs.	Average thickness based on a average depth of 13 to 14 feet and an average concrete thickness of 1 to 2 feet.
Average Concentration	mg/kg	1,169	Used average concentration of TPH-d from 37 samples collected in the Source Area from 4 feet to 16 feet below ground surface.	Historical soil sample results removed from the source area Table 1C.

Post Source Area Removal Residual TPH-d in Soil				
Input Parameter	Units	Value	Notation	Source Reference
Estimated Area	sq. ft.	6,050	Combination of areas with over 10 mg/kg TPH-d, excluding Source Area.	Attached Figure 8
Unit Weight of Soil	lbs/ft ³	120	Soil removed during excavation divided by the size of the excavation subtracting approximately 3,000 ft ³ for concrete, footings, drain boxes, settling tank, slab, and wells.	Attached Figures 4, 5, 6, and 7
Thickness of removed impacted source material in intermediate concentration range	vertical ft.	12.5	Estimate based on soil samples used for average concentrations.	Historical soil sample results removed from the source area Table 1C.
Average Concentration	mg/kg	1,169	Used average concentration of TPH-d from all soil samples collected in the respective areas.	Historical soil sample results removed from the source area Table 1C.

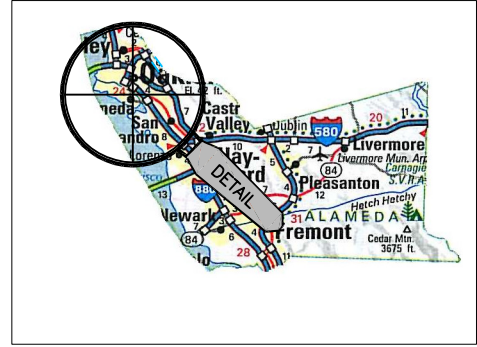
Post Source Area Removal Residual TPH-d in Groundwater				
Input Parameter	Units	Value	Notation	Source Reference
Estimated Area	sq. ft.	9,300	Overall area of contaminated groundwater based on groundwater grab samples collected during 2006 Geoprobe Investigation	Soil and Groundwater Quality Investigation Report, ETIC, 2006d.
	sq. ft.	6,000	Area based on area of residual soil with elevated concentrations.	Attached Figure 9
Porosity	Percent	25	Literature value for silt, sand and gravel mixtures	Fetter, C.W. 1942
Saturated Thickness	vertical ft.	20	first occurrence at 10 feet, clays at 30 feet.	Soil and Groundwater Quality Investigation Report, ETIC, 2006d.
Average Concentration	µg/l	77	Average concentration of groundwater monitoring well samples between 50 and 100 µg/l TPH-d.	Attached Table 2D
	µg/l	423	Average concentration of groundwater monitoring well samples over 100 µg/l TPH-d.	Attached Table 2D

FIGURES

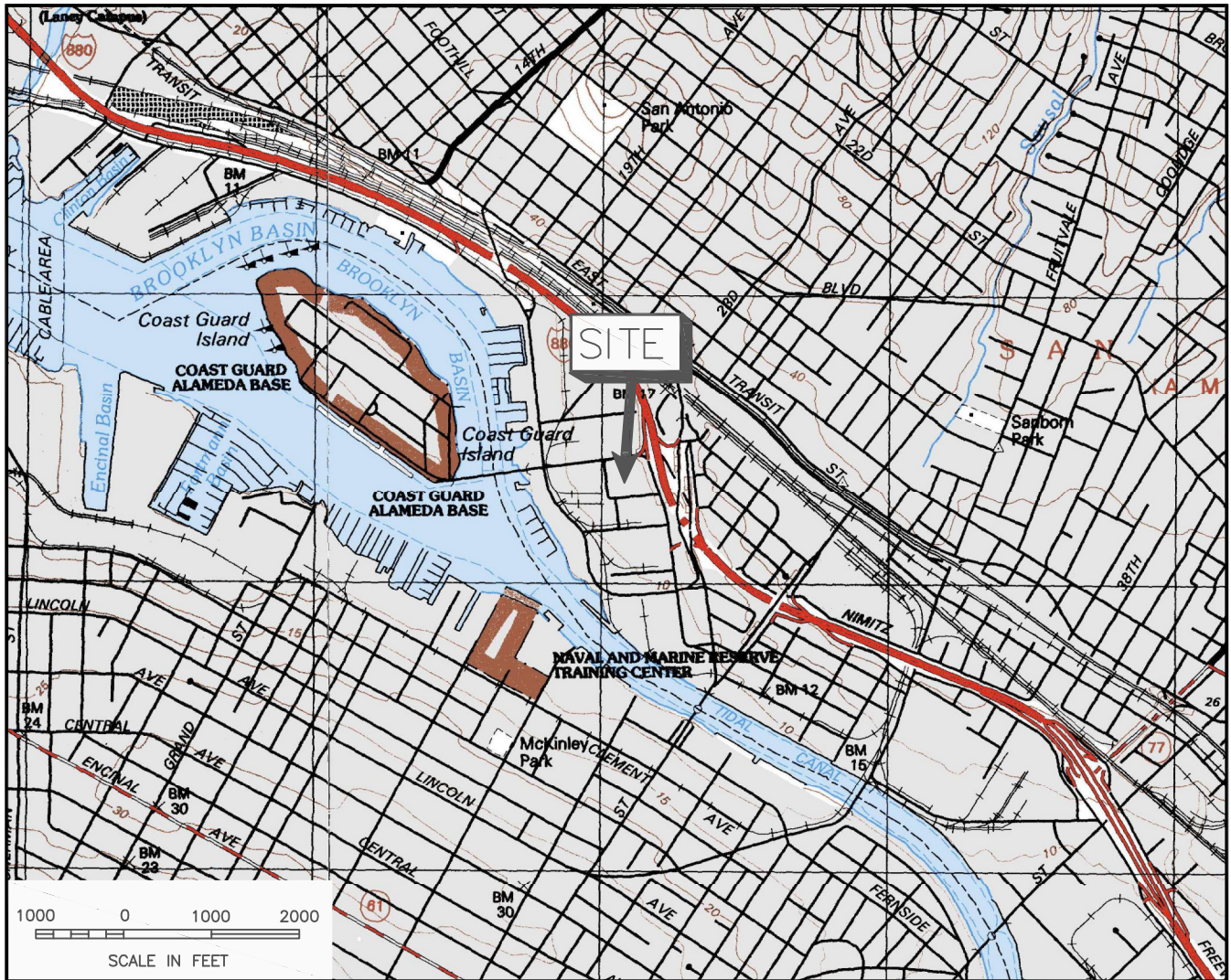
CALIFORNIA



ALAMEDA COUNTY



AREA IN DETAIL



Modified from U.S. Geological Survey, Oakland East & West, California, quadrangle, Photorevised 1997 & 1993.

SCALE IS VARIABLE



COL 624\02797C-002

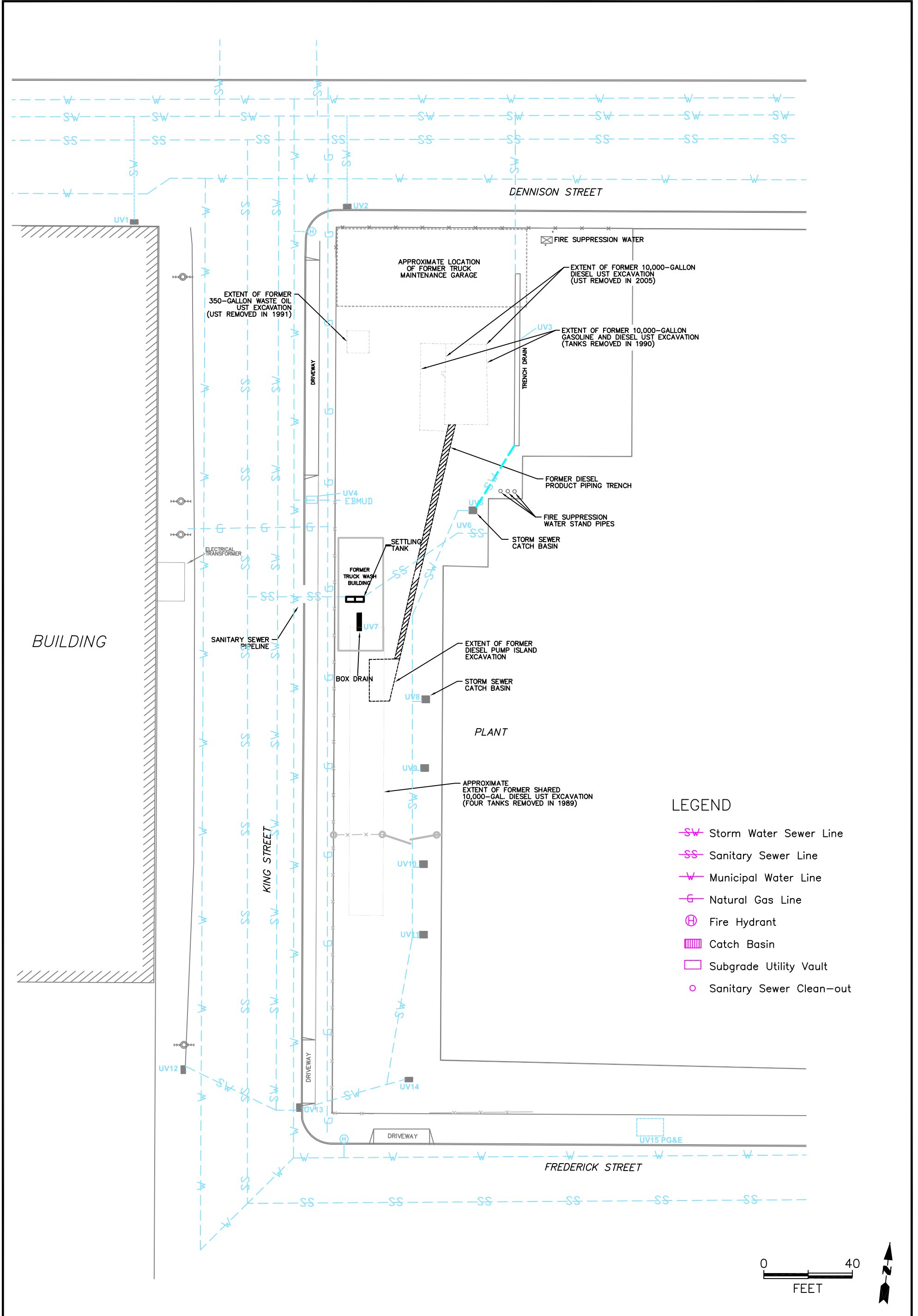


TITLE:
 SITE LOCATION MAP
 955 KENNEDY STREET
 OAKLAND, CALIFORNIA 94606

DWN: TMM
 DES.: JRC
 CHKD: APPD:
 DATE: 11/18/08
 REV.: 0

PROJECT NO.: 62402797
 EARTHGRAINS
 OAKLAND, CALIFORNIA

FIGURE 1

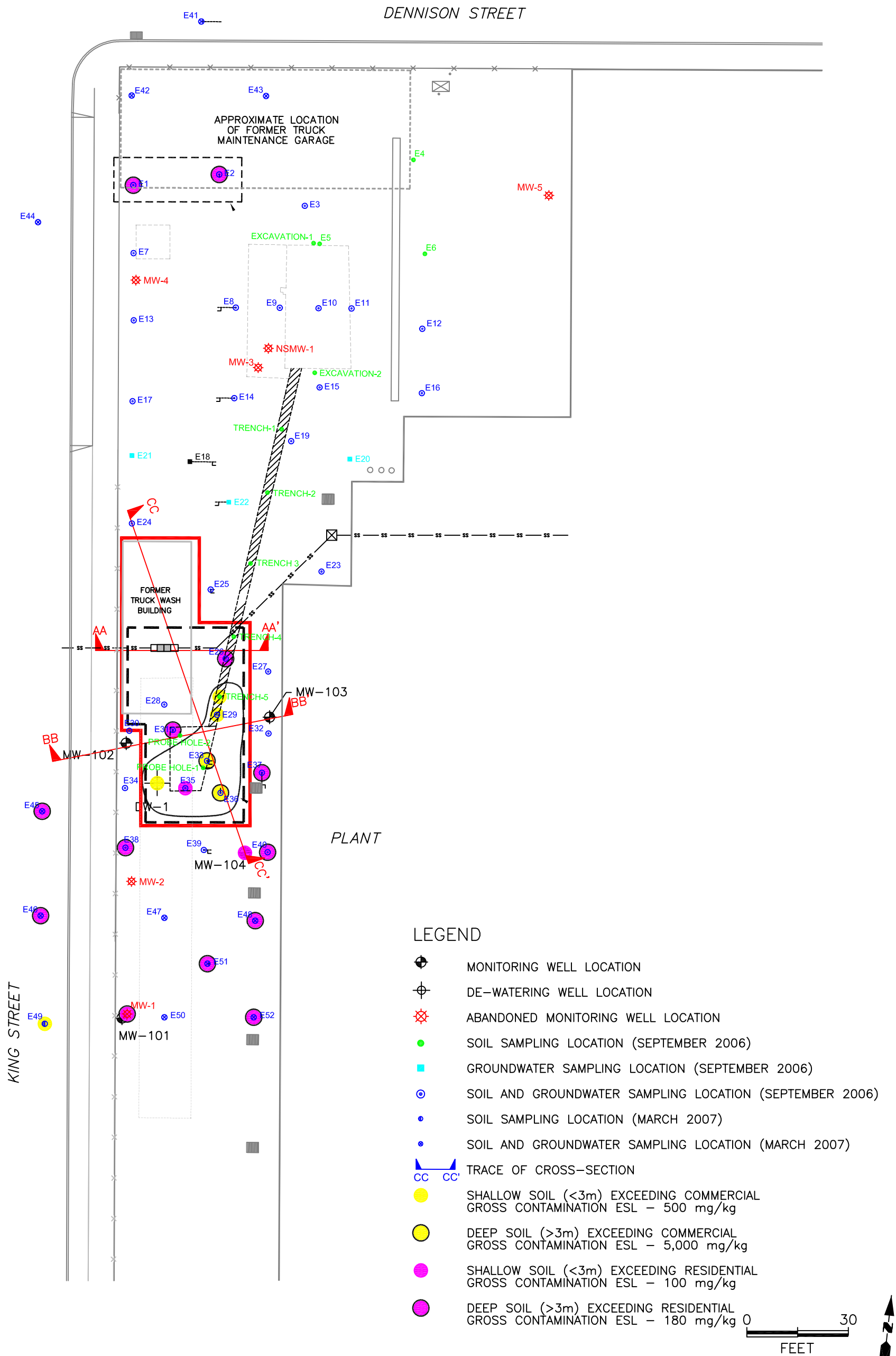


TITLE:
 SITE MAP SHOWING SUBSURFACE UTILITIES
 PRIOR TO SOURCE AREA REMOVAL

DWN: TMM	DES.: JRC
CHKD:	APPD:
DATE: 4/8/11	REV.: 0

PROJECT NO.: 62402797
 EARTHGRAINS
 OAKLAND, CALIFORNIA

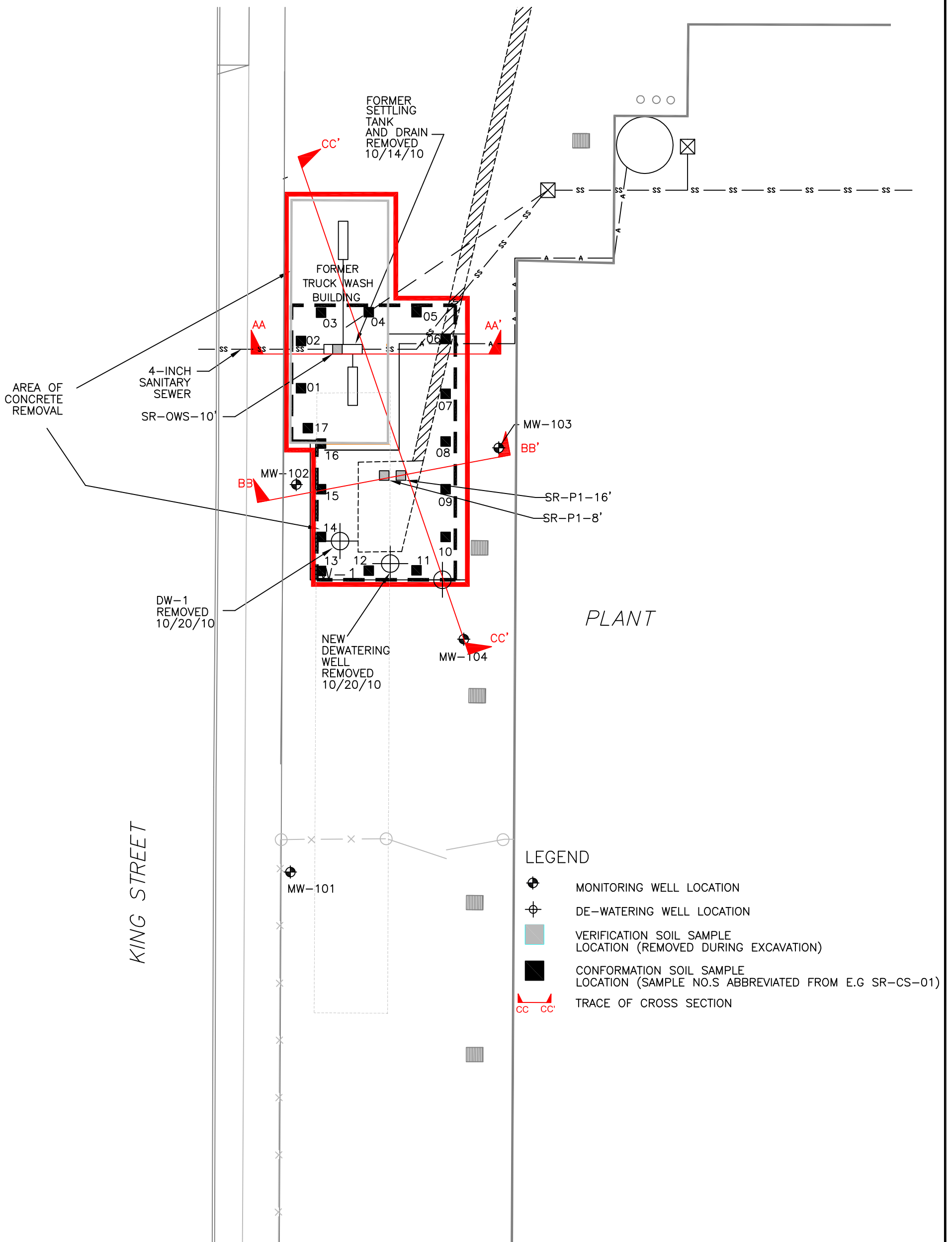
FIGURE 2



TITLE: HISTORICAL SOIL SAMPLING LOCATION MAP



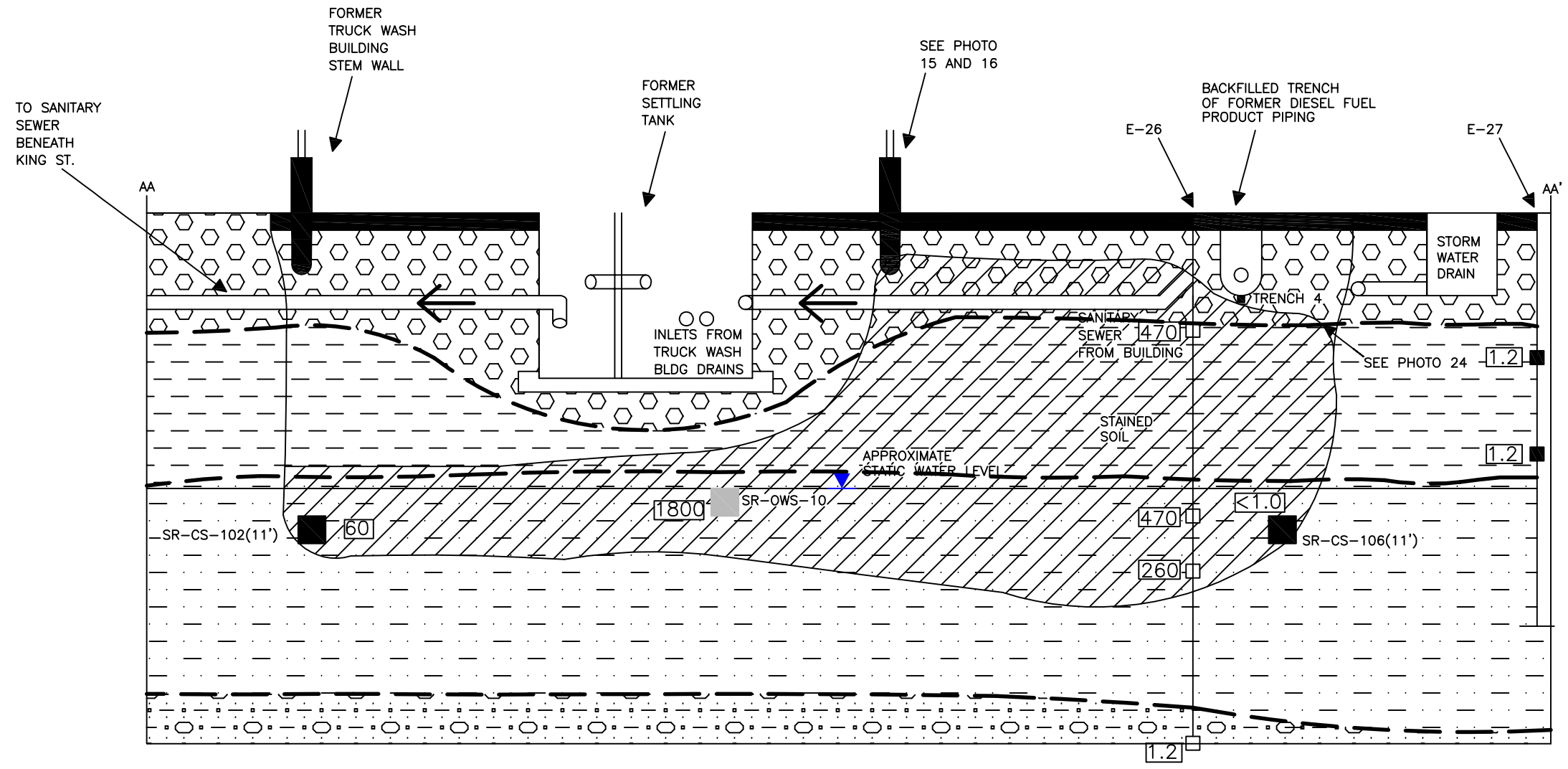
DWN: TMM	DES.: JRC	PROJECT NO.: 62402797
CHKD:	APPD:	EARTHGRAINS OAKLAND, CALIFORNIA
DATE: 4/8/11	REV.: 0	FIGURE 3











TITLE:
 SOURCE AREA REMOVAL
 VERIFICATION AND CONFIRMATIONAL SOIL SAMPLE
 LOCATIONS

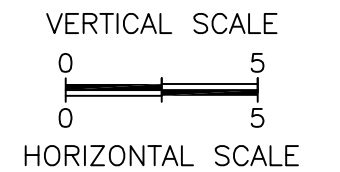
DWN: TMM
 DES.: JRC
 CHKD: APPD:
 DATE: 4/8/11
 REV.: 0

PROJECT NO.: 62402797
 EARTHGRAINS
 OAKLAND, CALIFORNIA
 FIGURE 4



LEGEND

-  STAINED SOIL
-  SOURCE REMOVAL VERIFICATION AND CONFIRMATION SAMPLES SHOWING TPH-d CONCENTRATIONS IN SOIL (mg/kg), VERIFICATION SAMPLES SHOWN AS GRAY
-  HISTORICAL SOIL SAMPLE LOCATIONS SHOWING TPH-d CONCENTRATIONS IN SOIL (mg/kg)
-  FILL
-  GRAVEL, SAND, AND CLAY MIXTURES
-  SILT AND CLAY
-  SAND, SILT AND CLAY MIXTURES
-  APPROXIMATE STATIC WATER LEVEL



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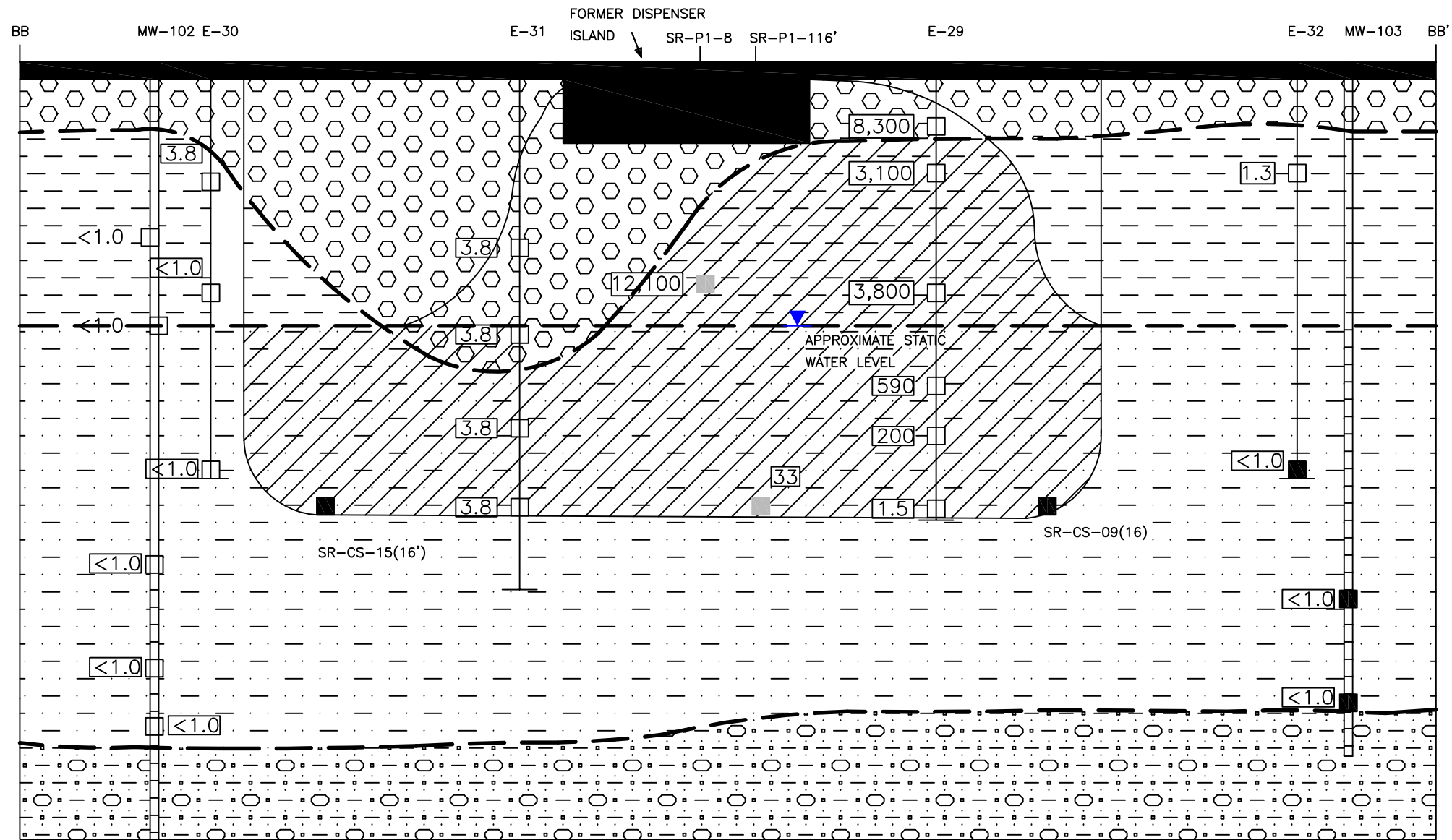


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




DWN: MMK	DES: JC
CHKD:	APPD:
DATE: 4/6/11	REV:

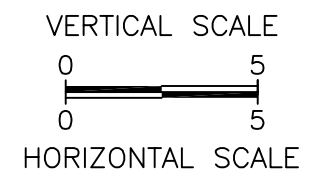
PROJECT NO: 624.0908.0118
EARTHGRAINS
OAKLAND CA

FIGURE 5



LEGEND

-  STAINED SOIL
-  SOURCE REMOVAL VERIFICATION AND CONFIRMATION SAMPLES SHOWING TPH-d CONCENTRATIONS IN SOIL (mg/kg), VERIFICATION SAMPLES SHOWN AS GRAY
-  HISTORICAL SOIL SAMPLE LOCATIONS SHOWING TPH-d CONCENTRATIONS IN SOIL (mg/kg)
-  FILL
-  SILT AND CLAY
-  GRAVEL, SAND, AND CLAY MIXTURES
-  SAND, SILT AND CLAY MIXTURES
-  APPROXIMATE STATIC WATER LEVEL



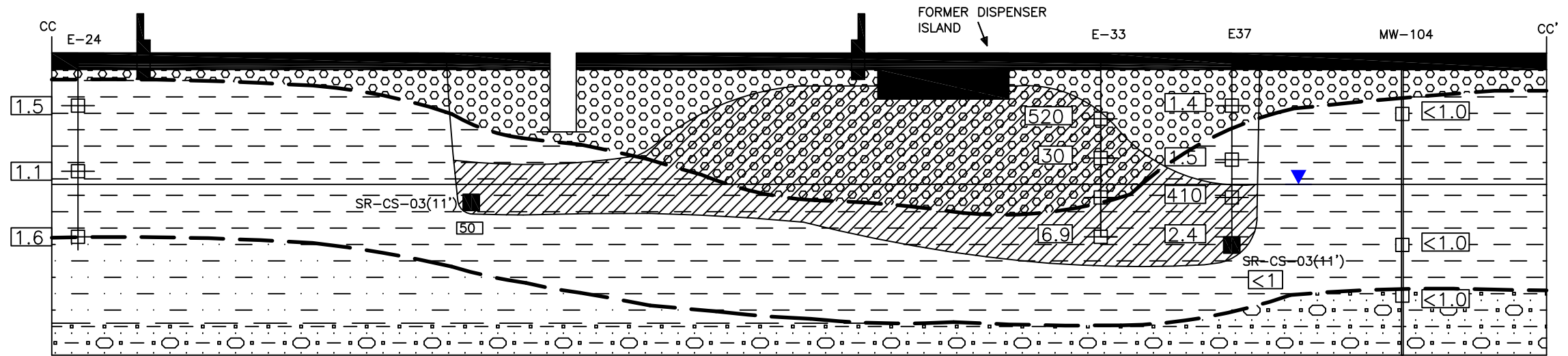
C012 H:\Drafting\624\02797E-BB TO BB'











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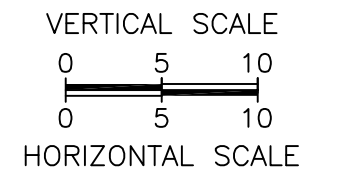
DWN: MMK	DES: JC
CHKD:	APPD:
DATE: 4/6/11	REV:

PROJECT NO: 624.0908.0118
 OAKLAND
 OAKLAND CA
 FIGURE 6



LEGEND

-  STAINED SOIL
-  SOURCE REMOVAL VERIFICATION AND CONFIRMATION SAMPLES SHOWING TPH-d CONCENTRATIONS IN SOIL (mg/kg)
-  HISTORICAL SOIL SAMPLE LOCATIONS SHOWING TPH-d CONCENTRATIONS IN SOIL (mg/kg)
-  FILL
-  GRAVEL, SAND, AND CLAY MIXTURES
-  SILT AND CLAY
-  SAND, SILT AND GRAVEL MIXTURES
-  APPROXIMATE STATIC WATER LEVEL



C002 H:\Drafting\624\02797E-CC TO CC

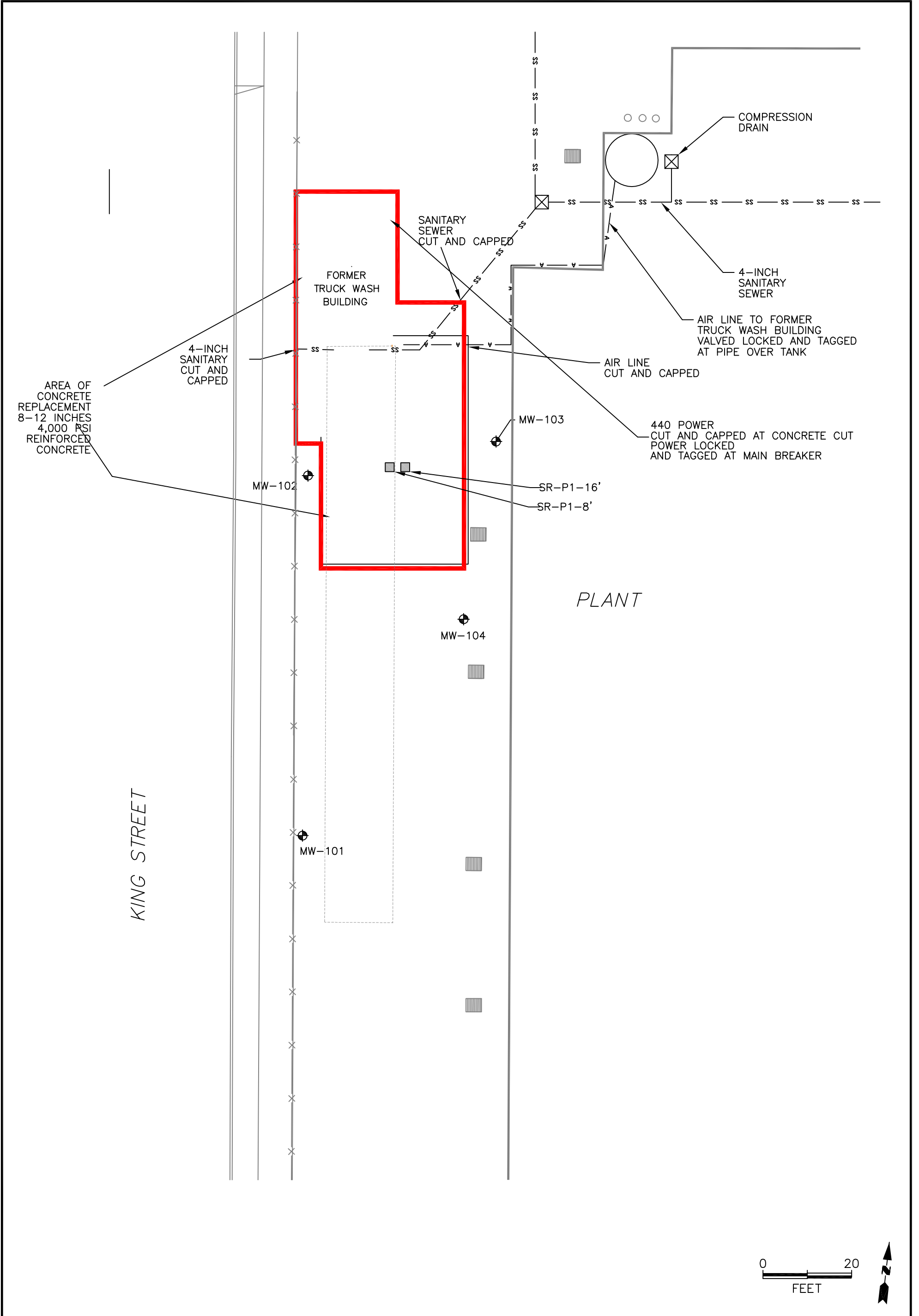


TITLE:
SOURCE REMOVAL CROSS SECTION CC-CC'

DWN: MMK	DES: JC
CHKD:	APPD:
DATE: 4/6/11	REV:

PROJECT NO: 624.0908.0118
EARTHGRAINS
OAKLAND CA

FIGURE 7

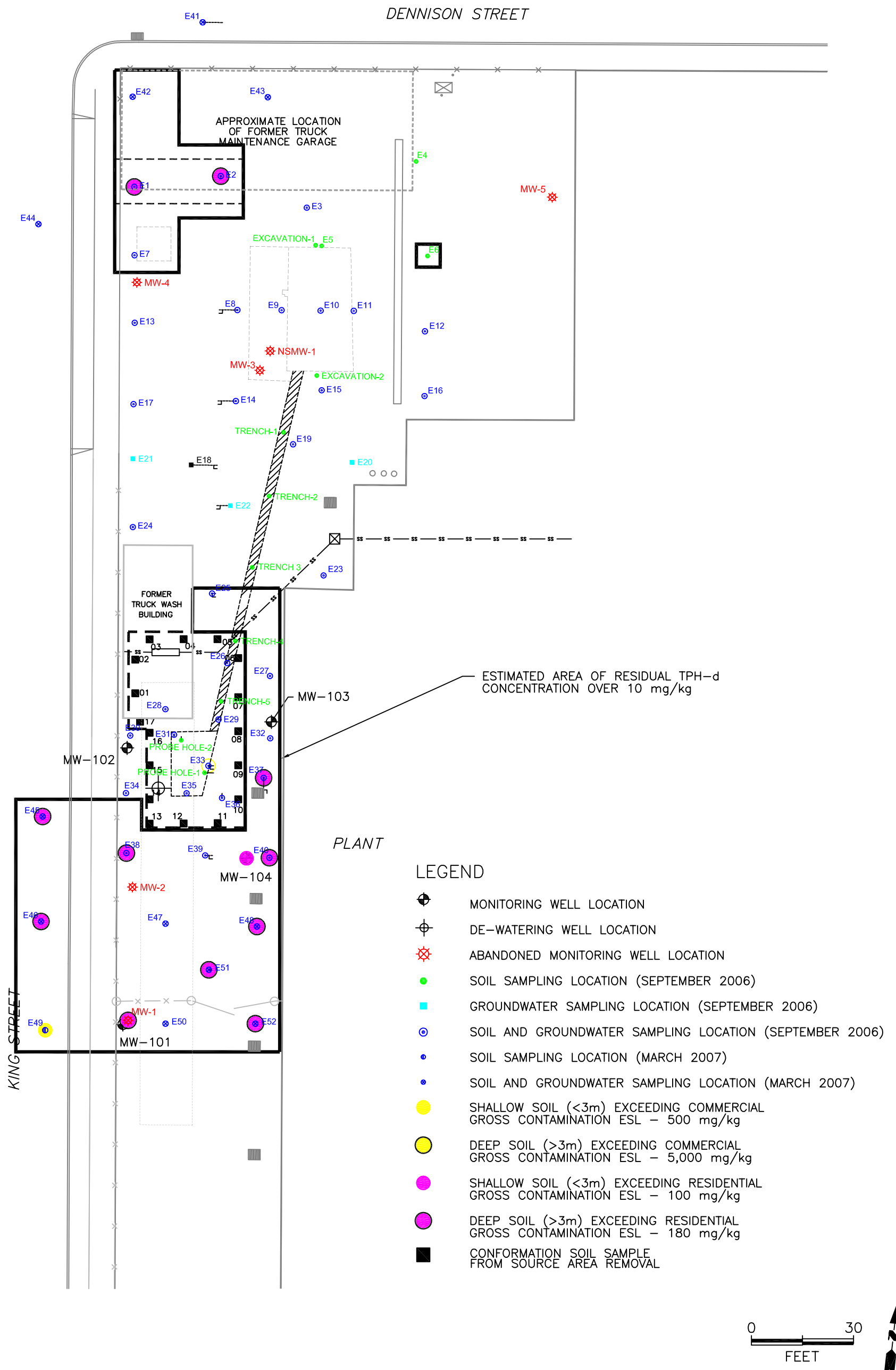


TITLE: SOURCE AREA REMOVAL AS-BUILT DRAWING

DWN: TMM	DES.: JRC
CHKD:	APPD:
DATE: 8/11/10	REV.: 0

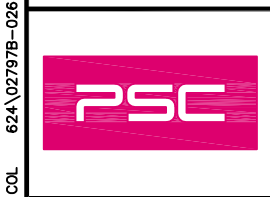
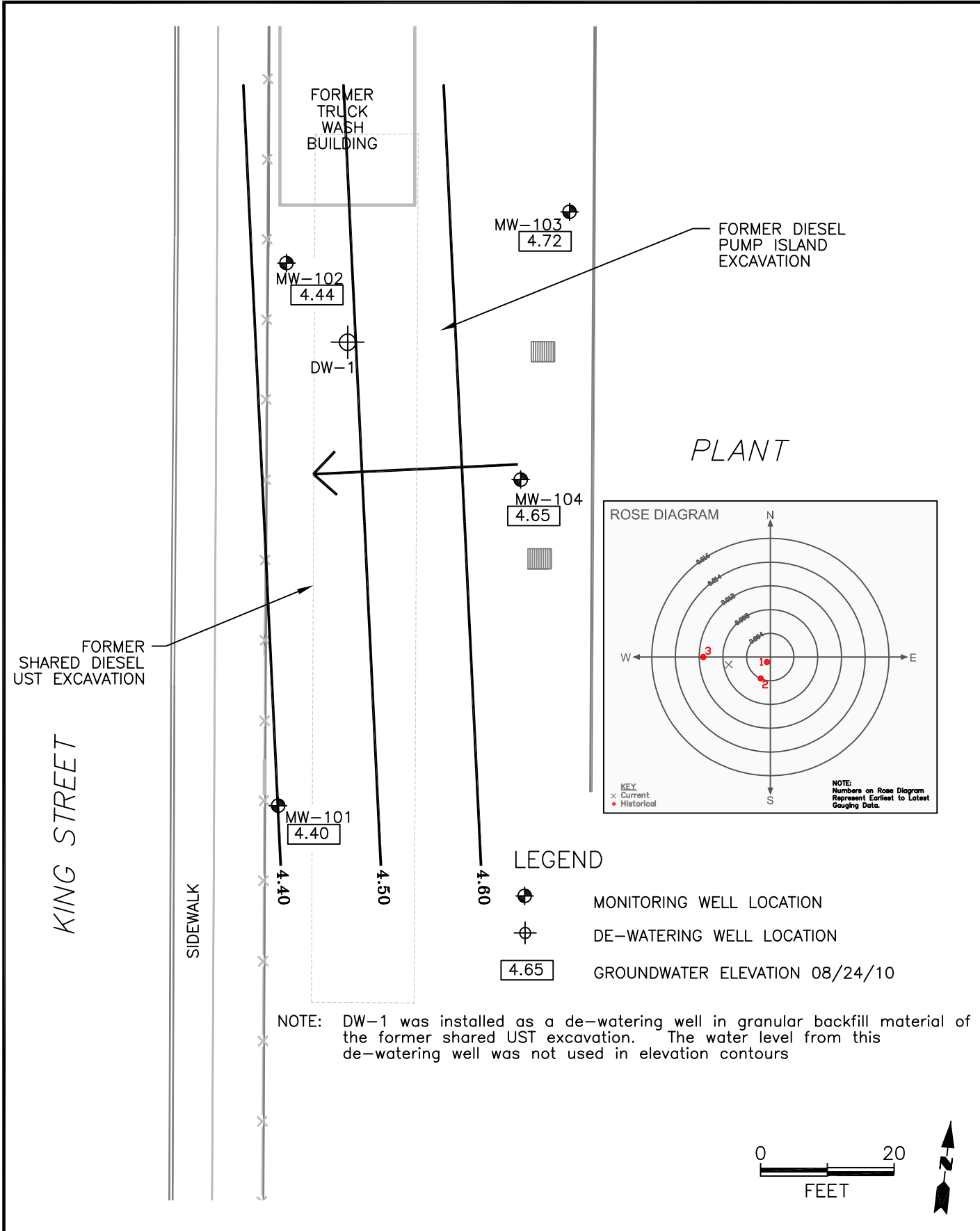
PROJECT NO.: 62402797
EARTHGRAINS
OAKLAND, CALIFORNIA

FIGURE 8



TITLE:
RESIDUAL TPH-d IN SOIL
AFTER SOURCE AREA REMOVAL

DWN: TMM	DES.: JRC	PROJECT NO.: 62402797
CHKD:	APPD:	EARTHGRAINS OAKLAND, CALIFORNIA
DATE: 9/17/09	REV.: 0	FIGURE 9

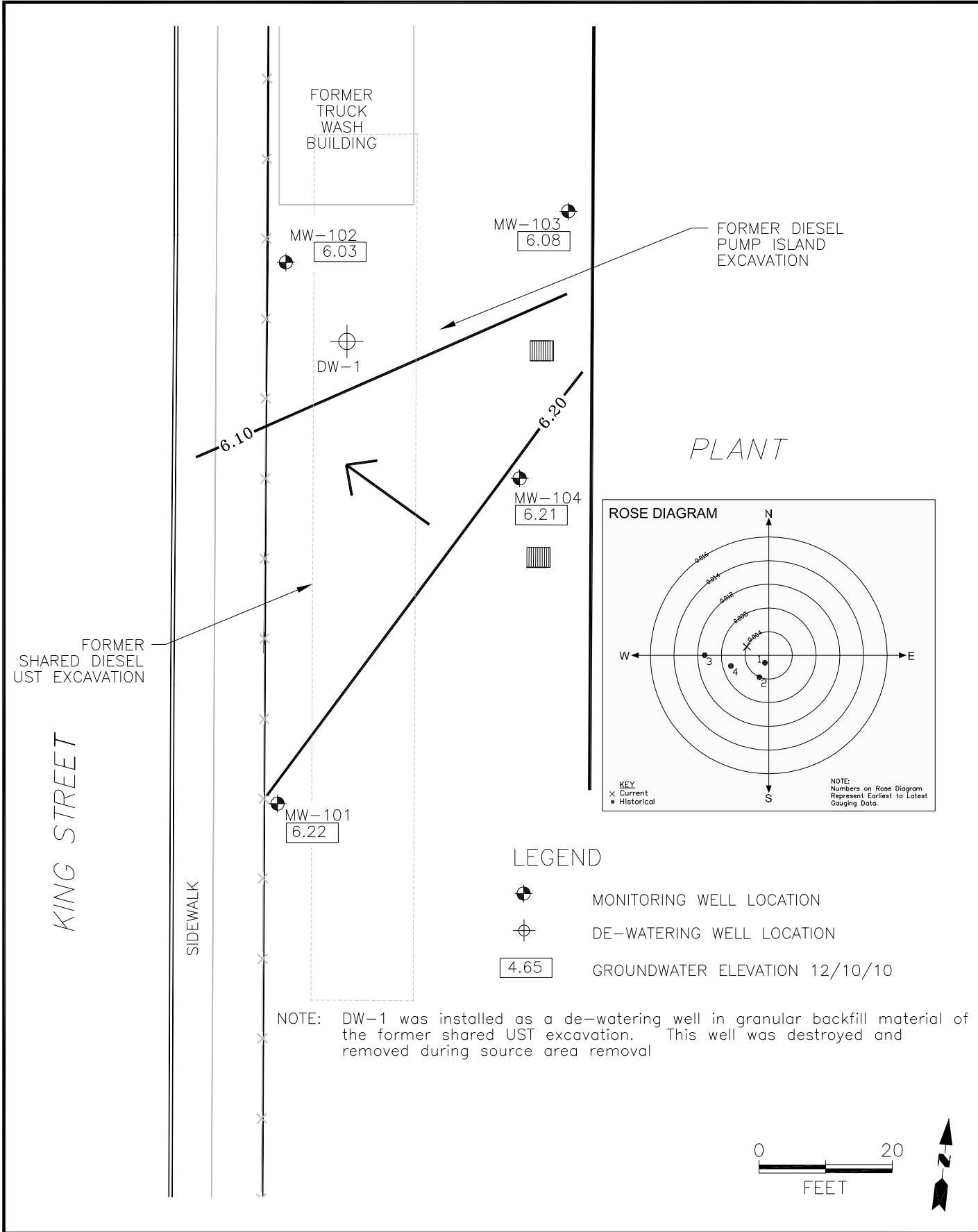


TITLE:
 GROUNDWATER ELEVATION
 CONTOUR MAP
 AUGUST 24, 2010

DWN: TMM	DES.: JRC
CHKD:	APPD:
DATE: 4/13/11	REV.: 0

PROJECT NO.: 62402797
 EARTHGRAINS
 OAKLAND, CALIFORNIA
 FIGURE 10A

COL 624\02797B-026



COL 624\02797B-027

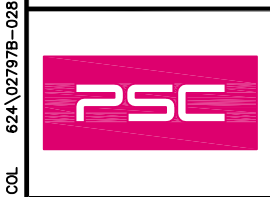
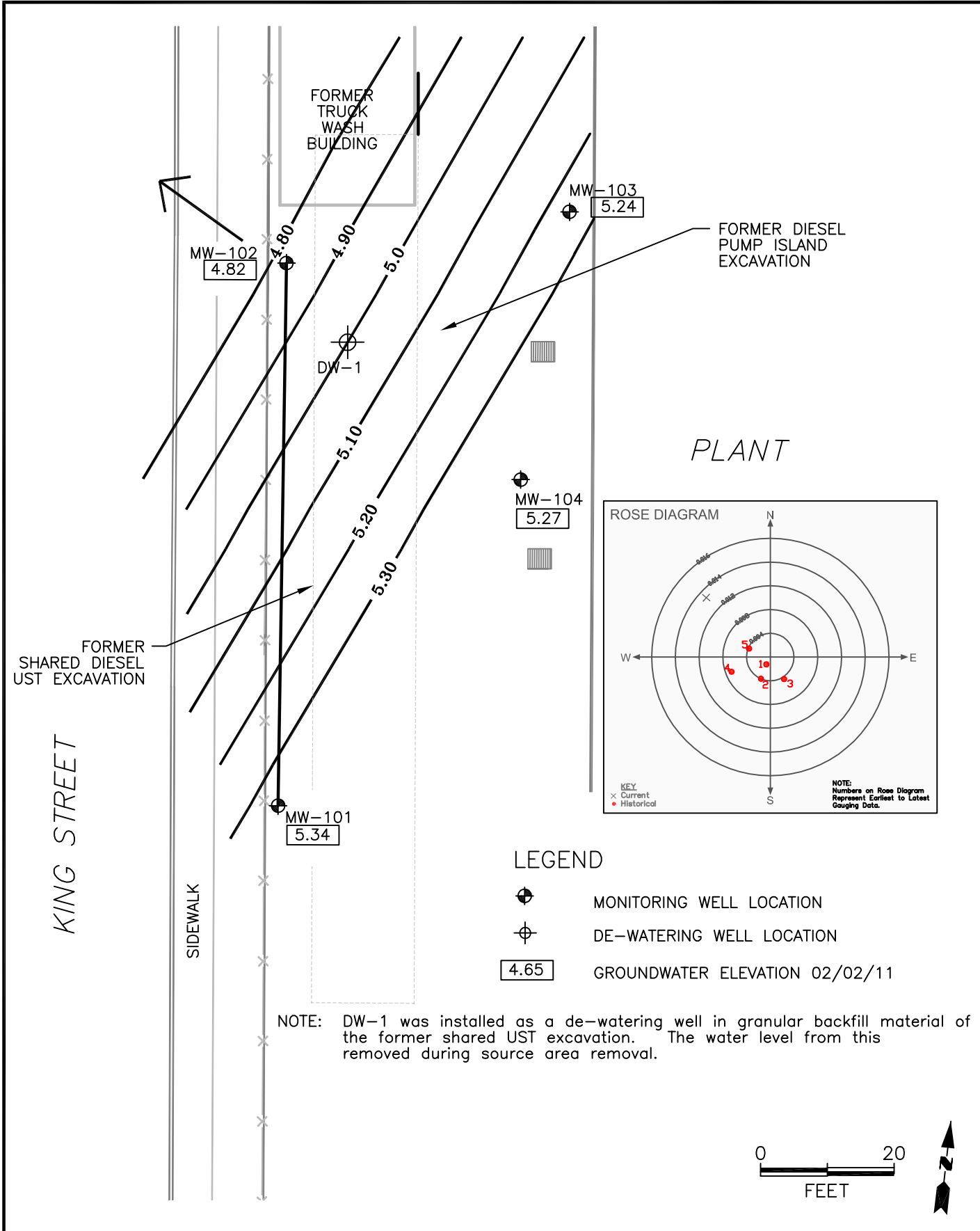


TITLE:
 GROUNDWATER ELEVATION
 CONTOUR MAP
 DECEMBER 10, 2010

DWN: TMM	DES.: JRC
CHKD:	APPD:
DATE: 4/13/11	REV.: 0

PROJECT NO.: 62402797
 EARTHGRAINS
 OAKLAND, CALIFORNIA

FIGURE 10B

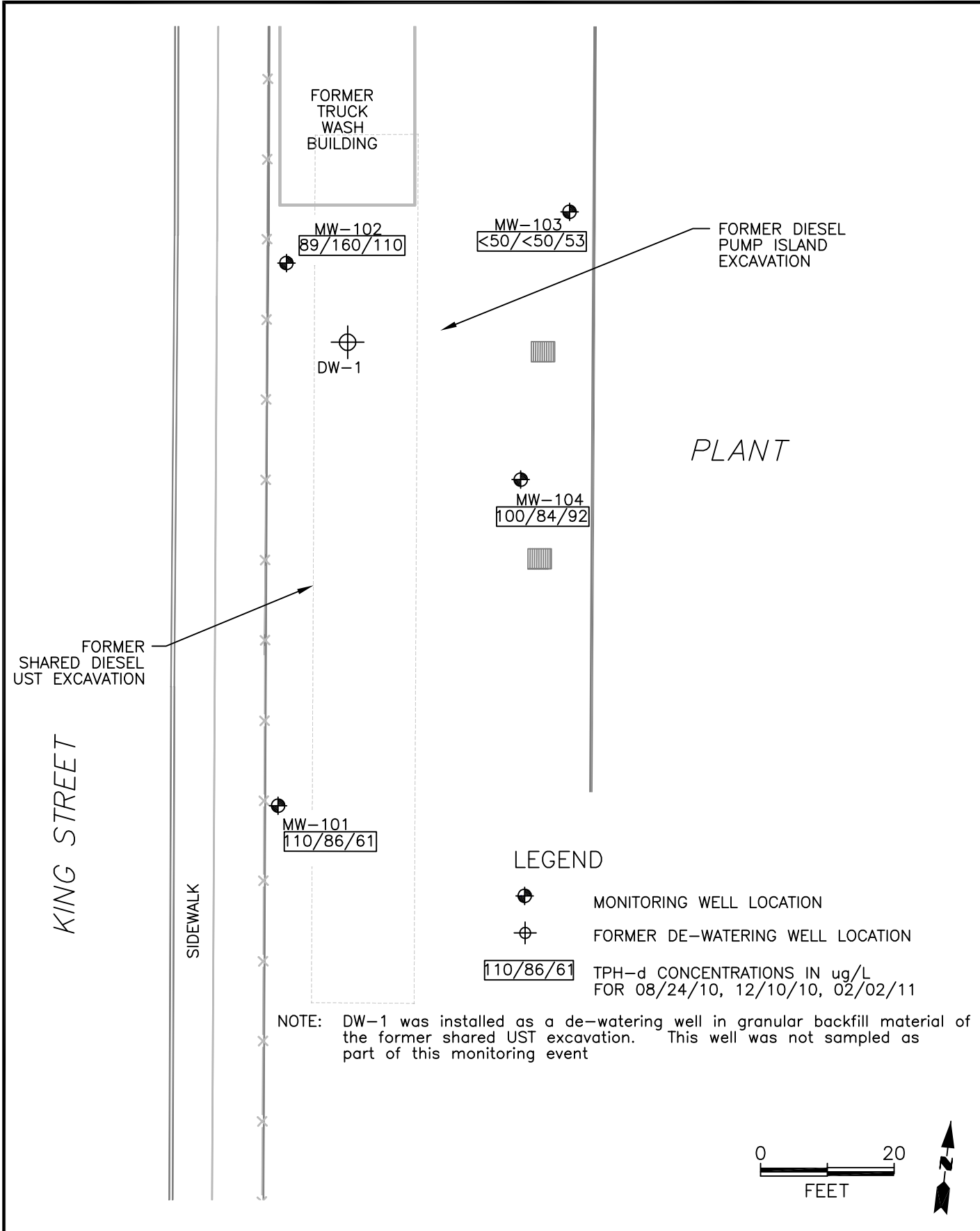


TITLE:
 GROUNDWATER ELEVATION
 CONTOUR MAP
 FEBRUARY 2, 2011

DWN: TMM
 DES.: JRC
 CHKD:
 APPD:
 DATE: 4/13/11
 REV.: 0

PROJECT NO.: 62402797
 EARTHGRAINS
 OAKLAND, CALIFORNIA
 FIGURE 10C

COL 624\02797B-028



COL 624\02797B-029



TITLE:
TPH-d IN GROUNDWATER
CONCENTRATION MAP
PRE AND POST SOURCE AREA REMOVAL

DWN: TMM	DES.: JRC
CHKD:	APPD:
DATE: 2/26/10	REV.: 0

PROJECT NO.: 62402797
EARTHGRAINS
OAKLAND, CALIFORNIA

FIGURE 11

APPENDIX A

REGULATORY CORRESPONDENCE



ENVIRONMENTAL HEALTH DEPARTMENT
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

July 30, 2010

Mr. Melvin Siegel (*Sent via E-mail to: melvin.siegel@saralee.com*)
Environmental Manager
Earthgrains Baking Companies, Inc.
955 Kennedy Street
Oakland, CA 94606

Subject: Corrective Action Plan For Fuel Leak Case No. RO0002569 and GeoTracker Global ID T0600177342, Earthgrains Baking Company, Inc., 955 Kennedy Street, Oakland, California, 94606

Dear Mr. Siegel:

Thank you for the recently submitted document entitled, "Feasibility Study/Corrective Action Plan," dated July 20, 2010, which was prepared by PSC Industrial Outsourcing, LP (PSC) for the subject site. Alameda County Environmental Health (ACEH) staff has reviewed the case file including the above-mentioned work plan for the above-referenced site. PSC has proposed dewatering and excavation of the former UST excavation as the most cost-effective remediation alternative for the site.

The remediation alternative presented in the above-mentioned Feasibility Study/Corrective Action Plan (FS/CAP) is acceptable provided that the technical comments presented below are incorporated into the Final CAP. Please note that public participation is a requirement for the CAP process. Therefore, ACEH will notify potentially affected stakeholders who live or own property in the surrounding area of the proposed remediation described in the CAP through mailing of a fact sheet (enclosed). Public comments on the proposed remediation will be accepted for a period of thirty days beginning Friday, July 30, 2010, through Monday, August, 30, 2010. Following the public comment period, the comments received, including ACEH's technical comments described below, must be addressed and incorporated into a Final CAP.

TECHNICAL COMMENTS

1. **Truck Wash Dismantling, Oil Water/Separator Removal & Excavation** – In addition to dewatering and excavating impacted soil in the vicinity of the former USTs, PSC also proposes to demolish the Truck wash, remove the oil/water separator, and excavate impacted soil beneath the structure. Please note that although the remediation of impacted soil may be necessary to achieve cleanup goals and ultimately achieve case closure, the

Mr. Siegel
RO0002569
July 30, 2010, Page 2

costs associated with the remediation of non-UST related unauthorized release(s) at the site may not be fully reimbursed from UST Cleanup Fund.


TECHNICAL REPORT REQUEST

Please submit technical reports to ACEH (Attention: Paresh Khatri), according to the following schedule:

- **August 30, 2010** – End of 30-day Public Participation Period
- **September 13, 2010** – Submit Final CAP, if comments are received
- **Due within 30 Days of Sampling** – Quarterly Remediation Report (4th Quarter 2010)
- **Due within 30 Days of Sampling** – Quarterly Remediation Report (1st Quarter 2011)
- **Due within 30 Days of Sampling** – Quarterly Remediation Report (2nd Quarter 2011)
- **Due within 30 Days of Sampling** – Quarterly Remediation Report (3rd Quarter 2011)

Thank you for your cooperation. Should you have any questions or concerns regarding this correspondence or your case, please call me at (510) 777-2478 or send me an electronic mail message at paresh.khatri@acgov.org.

Sincerely,


Digitally signed by Paresh Khatri
DN: cn=Paresh Khatri, o=Alameda
County Environmental Health,
ou=Local Oversight Program,
email=Paresh.Khatri@acgov.org,
c=US
Date: 2010.07.30 09:09:16 -07'00'

Paresh C. Khatri
Hazardous Materials Specialist

Enclosure: Public Participation Fact Sheet
List of Fact Sheet Recipients
Responsible Party(ies) Legal Requirements/Obligations
ACEH Electronic Report Upload (ftp) Instructions

cc: John Carrow, PSC Environmental Services, 210 West Sand Bank Road, Columbia, Illinois,
62236 (Sent via E-mail to: JCarrow@pscnow.com)
Leroy Griffin, Oakland Fire Department, 250 Frank H. Ogawa Plaza, Ste. 3341, Oakland, CA
94612-2032 (Sent via E-mail to: lgriffin@oaklandnet.com)
Donna Drogos, ACEH (Sent via E-mail to: donna.drogos@acgov.org)
Paresh Khatri, ACEH (Sent via E-mail to: paresh.khatri@acgov.org)
GeoTracker
File



FACT SHEET ON ENVIRONMENTAL ASSESSMENT

Earthgrains Baking Company
955 Kennedy Street, Oakland, CA 94606
Fuel Leak Case No. RO0002569 and
GeoTracker Global ID T0600177342

ENVIRONMENTAL HEALTH DEPARTMENT
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

Site Remediation Summary

This fact sheet has been prepared to inform community members and other interested stakeholders regarding the status of the soil and groundwater cleanup at the Earthgrains Bakery site located at 955 Kennedy Street, in Oakland, California. Earthgrains Baking Companies, Inc. (Earthgrains) is the lead responsible party for the case and their environmental consultant is PSC Industrial Outsourcing, LP (PSC). Eight underground storage tank (UST) systems operated at the site from 1967 to 2005.

Site Background

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 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. 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 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.

Site Investigations

Alameda County Environmental Health (ACEH), the local regulatory agency, oversees investigation and cleanup activities at the site. From 2003 to 2009, soil and groundwater investigations were completed at the site. These

investigations characterized the hydrogeology, subsurface conditions, and the nature, extent, and fate of the petroleum contamination, primarily diesel fuel.

Remediation Alternative: Dewatering, Excavation & Disposal

Dewatering and excavation is proposed to remediate the shallow soil and groundwater at the site using conventional earth moving equipment. Contaminated groundwater will be pumped from dewatering wells and disposed of off-site. Clean backfill material would be imported as necessary to restore the desired final site grade. This method is effective because it would remove contaminated soil and groundwater, which would be confirmed by soil and groundwater sampling and analysis.

Next Step

Earthgrains is working with ACEH to implement a soil and groundwater cleanup at the site. The proposed alternative is described in a report prepared by PSC on behalf of Earthgrains: "Feasibility Study / Corrective Action Plan," dated July 16, 2010. The public is invited to review and comment on the cleanup action proposed in the Report. The report and case file are available for review on ACEH's website (<http://www.acgov.org/aceh/lop/ust.htm>) or the State Water Resources Control Board's GeoTracker website (<http://www.geotracker.waterboards.ca.gov/>). The case file is also available for review on-line at the ACEH located at 1131 Harbor Bay Parkway in Alameda, California. Please send a fax to 510-337-9335 to request a date and time to review the case file. Please send written comments regarding the proposed action to Paresh Khatri at the address below. All written comments received by **August 30, 2010** will be forwarded to the Responsible Party and will be considered and responded to prior to a final determination on the proposed cleanup action.

For Additional information, please contact:

Paresh Khatri
Alameda County Environmental Health
1131 Harbor Bay Parkway, Ste 250
Alameda, CA 94502
Phone: 510-777-2478
E-mail: Paresh.Khatri@acgov.org

John Carrow
PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, IL 62236-1044
Phone: 618-792-2468
E-mail: JCarrow@pscnow.com

FACT SHEET ON ENVIRONMENTAL ASSESSMENT

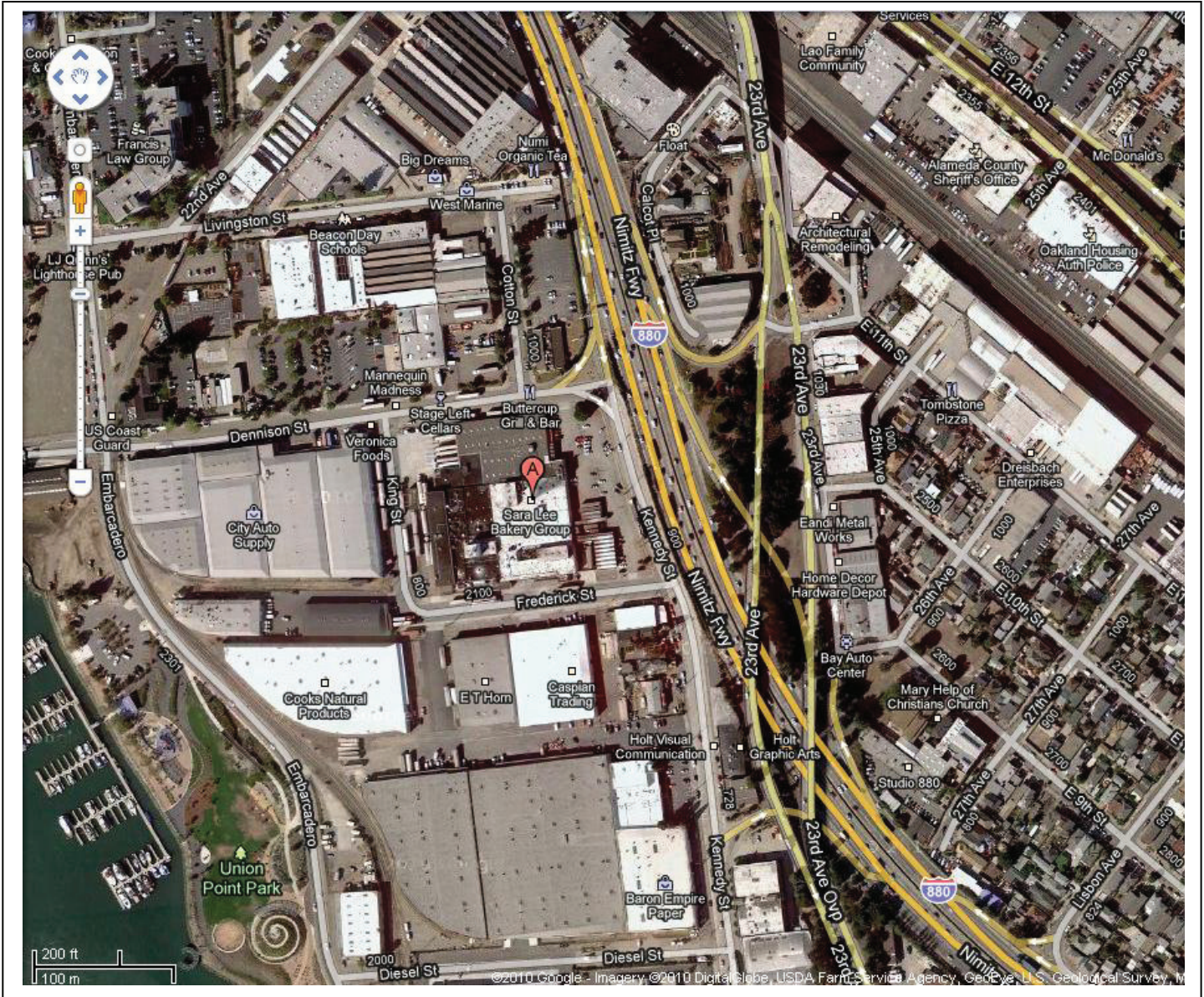
Earthgrains Baking Company

955 Kennedy Street, Oakland, CA 94606

Fuel Leak Case No. RO0002569 and

GeoTracker Global ID T0600177342

Page 2 of 2



RO0002569

List of Recipients

CONLEY FAMILY LP
PO BOX 24333
OAKLAND CA 94623

RESIDENT
845 KENNEDY ST
OAKLAND CA 94606

CONLEY FAMILY LP
PO BOX 24333
OAKLAND CA 94623

RESIDENT
837 KENNEDY ST
OAKLAND CA 94606

COTTONMILL PROPERTIES LLC
2228 LIVINGSTON ST
OAKLAND CA 94606

RESIDENT
2211 FREDERICK ST
OAKLAND CA 94606

EAST BAY MUNICIPAL UTILITY DISTRICT
375 11TH ST
OAKLAND CA 94607

RESIDENT
2105 FREDERICK ST
OAKLAND CA 94606

KENNEDY STREET INVESTMENT CO ETAL &
HORNSTEIN ETAL
50 CALIFORNIA ST #1500
SAN FRANCISCO CA 94111

RESIDENT
955 KENNEDY ST
OAKLAND CA 94606

KENNEDY STREET LLC
1350 BAYSHORE HWY #900
BURLINGAME CA 94010

RESIDENT
909 KING ST
OAKLAND CA 94606

KILPATRICKS BAKERIES
111 CORPORATE OFF DR #200
EARTH CITY MO 63045

RESIDENT
1905 DENNISON ST
OAKLAND CA 94606

KILPATRICKS BAKERIES
PO BOX 2093
OAKLAND CA 94604

RESIDENT
2135 FREDERICK ST
OAKLAND CA 94606

LAZARUS WAYNE TR
101 DRAKE MEWS
SONOMA CA 95476

RESIDENT
901 KING ST
OAKLAND CA 94606

MCENTEE BRENDAN J & SUSAN H
2109 FREDERICK ST
OAKLAND CA 94606

ROCHA GUADALUPE TR
909 KING ST
OAKLAND CA 94606

PRESLEY PROPERTIES LLC & CRAIG JOHN N &
PETER ETAL
1721 BROADWAY #202
OAKLAND CA 94612

SHELDON CECILIA C TR
825 KENNEDY ST
OAKLAND CA 94606

RESIDENT
2100 DENNISON ST
OAKLAND CA 94606

WAREHOUSE INVESTMENT CO
303 2ND ST #950N
SAN FRANCISCO CA 94107

RESIDENT
1026 COTTON ST
OAKLAND CA 94606

ZERULL BRENT K TR
233 BAYVIEW DR
SAN RAFAEL CA 94901

Responsible Party(ies) Legal Requirements/Obligations

REPORT REQUESTS

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) GeoTracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and [other](#) data to the GeoTracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in GeoTracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/electronic_submittal/report_rqmts.shtml).

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to \$10,000 per day for each day of violation.

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	REVISION DATE: July 20, 2010
	ISSUE DATE: July 5, 2005
	PREVIOUS REVISIONS: October 31, 2005; December 16, 2005; March 27, 2009; July 8, 2010
SECTION: Miscellaneous Administrative Topics & Procedures	SUBJECT: Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

REQUIREMENTS

- **Please do not submit reports as attachments to electronic mail.**
- Entire report including cover letter must be submitted to the ftp site as a **single portable document format (PDF) with no password protection.**
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- **Signature pages and perjury statements must be included and have either original or electronic signature.**
- **Do not password protect the document.** Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted.**
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:
RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Submission Instructions

- 1) Obtain User Name and Password:
 - a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
 - i) Send an e-mail to dehloptoxic@acgov.org
 - b) In the subject line of your request, be sure to include **"ftp PASSWORD REQUEST"** and in the body of your request, include the **Contact Information, Site Addresses**, and the **Case Numbers (RO# available in Geotracker) you will be posting for.**
- 2) Upload Files to the ftp Site
 - a) Using Internet Explorer (IE4+), go to <ftp://alcoftp1.acgov.org>
 - (i) Note: Netscape, Safari, and Firefox browsers will not open the FTP site.
 - b) Click on Page located on the Command bar on upper right side of window, and then scroll down to Open FTP Site in Windows Explorer.
 - c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
 - d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
 - e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.
- 3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
 - a) Send email to dehloptoxic@acgov.org notify us that you have placed a report on our ftp site.
 - b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
 - c) The subject line of the e-mail must start with the RO# followed by **Report Upload.** (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO#, use the street address instead.
 - d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.

APPENDIX B

PROJECT PHOTOGRAPHS



PSC Industrial Outsourcing, LP
210 West Sand Band Road
Columbia, Illinois 62236
(618) 281-7173

PHOTOGRAPHS

Project Name: Source Area Removal

Project Number: 624-0908-0043-J0008

Location: 955 Kennedy Street Oakland, California 94606

Photographer: John Carrow

Description: De-watering activities performed from DW-1 south of the Truck Wash Building.

Date: 09/30/10

Photo Number: 1



Photographer: John Carrow

Description: New, larger diameter de-watering well installed in source excavation to replace DW-1.

Date: 10/01/10

Photo Number: 2





PSC Industrial Outsourcing, LP
210 West Sand Band Road
Columbia, Illinois 62236
(618) 281-7173

PHOTOGRAPHS

Project Name: Source Area Removal

Project Number: 624-0908-0043-J0008

Location: 955 Kennedy Street Oakland, California 94606

Photographer: John Carrow

Description: Asbestos abatement of roofing materials performed on the Truck Wash Building.

Date: 10/01/10

Photo Number: 3



Photographer: John Carrow

Description: Asbestos-containing roofing materials on the Truck Wash Building including mastic, felt, and membrane.

Date: 10/01/10

Photo Number: 4





PSC Industrial Outsourcing, LP
210 West Sand Band Road
Columbia, Illinois 62236
(618) 281-7173

PHOTOGRAPHS

Project Name: Source Area Removal

Project Number: 624-0908-0043-J0008

Location: 955 Kennedy Street Oakland, California 94606

Photographer: John Carrow

Description: Truck Wash Building
roof following asbestos abatement
activities.

Date: 10/01/10

Photo Number: 5



Photographer: John Carrow

Description: Demolition activities
performed on Truck Wash Building
with replacement de-watering well
visible in foreground.

Date: 10/01/10

Photo Number: 6





PSC Industrial Outsourcing, LP
210 West Sand Band Road
Columbia, Illinois 62236
(618) 281-7173

PHOTOGRAPHS

Project Name: Source Area Removal

Project Number: 624-0908-0043-J0008

Location: 955 Kennedy Street Oakland, California 94606

Photographer: John Carrow

Description: Approximate outline of source removal area following demolition of Truck Wash Building.

Date: 10/02/10

Photo Number: 7



Photographer: John Carrow

Description: Clarifier/settling tank originally described by Earthgrains plant as oil/water separator system.

Date: 10/03/10

Photo Number: 8





PSC Industrial Outsourcing, LP
210 West Sand Band Road
Columbia, Illinois 62236
(618) 281-7173

PHOTOGRAPHS

Project Name: Source Area Removal

Project Number: 624-0908-0043-J0008

Location: 955 Kennedy Street Oakland, California 94606

Photographer: John Carrow

Description: Second chamber of settling tank with continuous wall between each chamber from top to bottom. Inlet and outlet piping on right side of chamber are at equal depth and ~ 3 feet below surface. A 90° piping elbow is visible on the floor of the settling tank.

Date: 10/03/10

Photo Number: 9



Photographer: Scott Jander

Description: Concrete pavement removed over clarifier/settling tank.

Date: 10/07/10

Photo Number: 10





PSC Industrial Outsourcing, LP
210 West Sand Band Road
Columbia, Illinois 62236
(618) 281-7173

PHOTOGRAPHS

Project Name: Source Area Removal

Project Number: 624-0908-0043-J0008

Location: 955 Kennedy Street Oakland, California 94606

Photographer: Scott Jander

Description: Sanitary sewer piping connection from Earthgrains plant to clarifier/settling tank.

Date: 10/07/10

Photo Number: 11

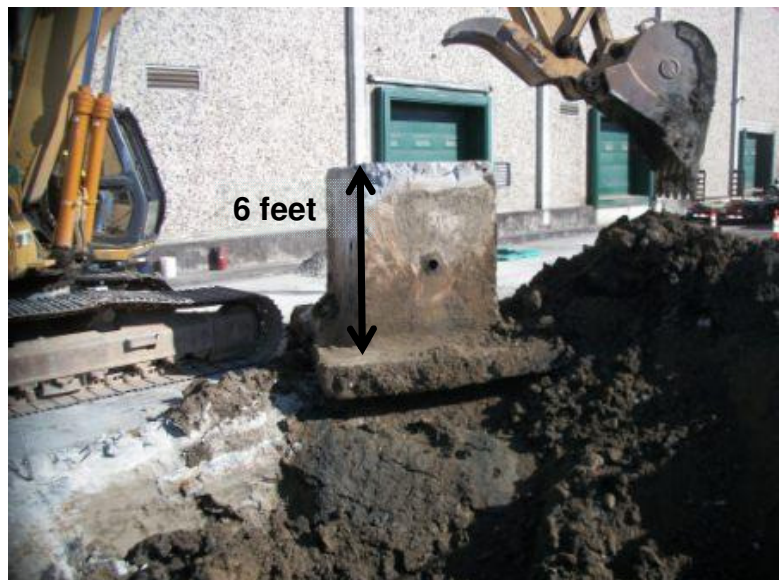


Photographer: Scott Jander

Description: Clarifier/settling tank following removal from the ground. The outlet pipe opening in settling tank is ~ 3 feet from the top.

Date: 10/7/10

Photo Number: 12





PSC Industrial Outsourcing, LP
210 West Sand Band Road
Columbia, Illinois 62236
(618) 281-7173

PHOTOGRAPHS

Project Name: Source Area Removal

Project Number: 624-0908-0043-J0008

Location: 955 Kennedy Street Oakland, California 94606

Photographer: Scott Jander

Description: Clarifier/settling tank tipped over showing bottom of floor. No staining or evidence of a release was visible.

Date: 10/7/10

Photo Number: 13



Photographer: Scott Jander

Description: Excavation soil beneath clarifier/settling tank. Indicating no staining or evidence of a release. Stained soil visible at top of photo is from the surface along east footer wall of former Truck Wash Building.

Date: 10/08/10

Photo Number: 14





PSC Industrial Outsourcing, LP
210 West Sand Band Road
Columbia, Illinois 62236
(618) 281-7173

PHOTOGRAPHS

Project Name: Source Area Removal

Project Number: 624-0908-0043-J0008

Location: 955 Kennedy Street Oakland, California 94606

Photographer: Scott Jander

Description: North wall of source excavation after rainfall event and subsequent groundwater infiltration. Soil staining outlined directly above the water surface.

Date: 10/20/10

Photo Number: 15



Photographer: Scott Jander

Description: Excavation sidewall beneath east footer wall of former Truck Wash Building. Soil staining visible at ~ 3 feet below pavement surface.

Date: 10/20/10

Photo Number: 16





PSC Industrial Outsourcing, LP
210 West Sand Band Road
Columbia, Illinois 62236
(618) 281-7173

PHOTOGRAPHS

Project Name: Source Area Removal

Project Number: 624-0908-0043-J0008

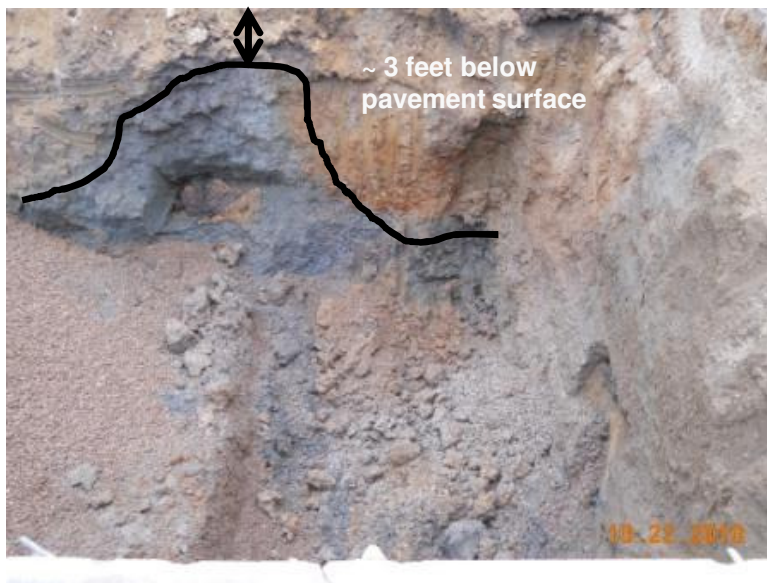
Location: 955 Kennedy Street Oakland, California 94606

Photographer: Scott Jander

Description: Source excavation area beneath southeast corner of former Truck Wash Building.

Date: 10/22/10

Photo Number: 17



Photographer: Scott Jander

Description: Source area excavation beneath south end of former Truck Wash Building.

Date: 10/28/10

Photo Number: 18





PSC Industrial Outsourcing, LP
210 West Sand Band Road
Columbia, Illinois 62236
(618) 281-7173

PHOTOGRAPHS

Project Name: Source Area Removal

Project Number: 624-0908-0043-J0008

Location: 955 Kennedy Street Oakland, California 94606

Photographer: Scott Jander

Description: Soil staining visible beneath former diesel pump island during source excavation activities.

Date: 10/22/10

Photo Number: 19



Photographer: Scott Jander

Description: Soil staining visible in source excavation area beneath the former diesel pump island.

Date: 10/22/10

Photo Number: 20





PSC Industrial Outsourcing, LP
210 West Sand Band Road
Columbia, Illinois 62236
(618) 281-7173

PHOTOGRAPHS

Project Name: Source Area Removal

Project Number: 624-0908-0043-J0008

Location: 955 Kennedy Street Oakland, California 94606

Photographer: Scott Jander

Description: Heavily impacted soil beneath former diesel pump island.

Date: 10/25/10

Photo Number: 21



Photographer: Scott Jander

Description: Source excavation area with impacted soil on east side of the former diesel pump island.

Date: 10/26/10

Photo Number: 22





PSC Industrial Outsourcing, LP
210 West Sand Band Road
Columbia, Illinois 62236
(618) 281-7173

PHOTOGRAPHS

Project Name: Source Area Removal

Project Number: 624-0908-0043-J0008

Location: 955 Kennedy Street Oakland, California 94606

Photographer: Scott Jander

Description: Excavation of sanitary sewer line from Earthgrains plant to the former Truck Wash Building.

Date: 10/27/10

Photo Number: 23



Photographer: Scott Jander

Description: Sand backfill of the former diesel UST piping chase with heaviest impact near the footer wall of the former Truck Wash Building.

Date: 10/27/10

Photo Number: 24





PSC Industrial Outsourcing, LP
210 West Sand Band Road
Columbia, Illinois 62236
(618) 281-7173

PHOTOGRAPHS

Project Name: Source Area Removal

Project Number: 624-0908-0043-J0008

Location: 955 Kennedy Street Oakland, California 94606

Photographer: Scott Jander

Description: Additional source area removal along north sidewall of excavation near soil sample SR-CS-004 (11').

Date: 10/27/10

Photo Number: 25



Photographer: Scott Jander

Description: Placement of clean, aggregate base course to backfill source excavation.

Date: 10/27/10

Photo Number: 26





PSC Industrial Outsourcing, LP
210 West Sand Band Road
Columbia, Illinois 62236
(618) 281-7173

PHOTOGRAPHS

Project Name: Source Area Removal

Project Number: 624-0908-0043-J0008

Location: 955 Kennedy Street Oakland, California 94606

Photographer: Scott Jander

Description: Geo-textile fabric placed in excavation at ~ 4 feet below surface to ensure proper compaction of backfill material.

Date: 11/01/10

Photo Number: 27



Photographer: Scott Jander

Description: Air line, old water line, and electrical conduit to the former Truck Wash Building capped-off along east sidewall of excavation.

Date: 10/28/10

Photo Number: 28





PSC Industrial Outsourcing, LP
210 West Sand Band Road
Columbia, Illinois 62236
(618) 281-7173

PHOTOGRAPHS

Project Name: Source Area Removal

Project Number: 624-0908-0043-J0008

Location: 955 Kennedy Street Oakland, California 94606

Photographer: Scott Jander

Description: Placement and compaction of backfill material in the excavation using a skid-steer and vibratory roller.

Date: 11/01/10

Photo Number: 29



Photographer: Scott Jander

Description: Compaction testing of backfill material in the excavation by a geotechnical subcontractor using a nuclear-density gauge.

Date: 11/01/10

Photo Number: 30





PSC Industrial Outsourcing, LP
210 West Sand Band Road
Columbia, Illinois 62236
(618) 281-7173

PHOTOGRAPHS

Project Name: Source Area Removal

Project Number: 624-0908-0043-J0008

Location: 955 Kennedy Street Oakland, California 94606

Photographer: Scott Jander

Description: Placement of steel rebar on 12-inch centers during concrete pavement restoration.

Date: 11/10/10

Photo Number: 31



Photographer: Scott Jander

Description: Finished concrete slab following pavement restoration.

Date: 11/13/10

Photo Number: 32



APPENDIX C

DE-WATERING WASTE MANIFEST

NON-HAZARDOUS WASTE MANIFEST

EES19

2. Page 1
of

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.
CAD00003414051

Manifest Document No. **NH 7971**

3. Generator's Name and Mailing Address
The Earthgrains Company
955 Kennedy St
Oakland Ca 94606

4. Generator's Phone (**615**) **792-2468**

5. Transporter 1 Company Name
EVERGREEN ENVIRONMENTAL SERVICES

6. US EPA ID Number
CAD982413262

A. State Transporter's ID
B. Transporter 1 Phone **510 795-4400**

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID
D. Transporter 2 Phone

9. Designated Facility Name and Site Address
EVERGREEN OIL, INC.
6880 Smith Avenue
Newark, CA 94560

10. US EPA ID Number
CAD980887418

E. State Facility's ID
F. Facility's Phone
510 795-4400

11. WASTE DESCRIPTION	12. Containers		13. Total Quantity	1 U Wt.
	No.	Type		
a. Non-Hazardous waste, liquid	001	TT	4000	C
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Profile # _____

Do not ingest
Wear protective clothing
In case of emergency call: CHEMTREC 800-424-9300

Invoice: **602853**
Sales Order: **W00303614**

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name Scott Jander	Signature <i>Scott Jander</i>	Date 11 / 1
---	----------------------------------	-----------------------

17. Transporter 1 Acknowledgement of Receipt of Materials		
Printed/Typed Name Fred Okino	Signature <i>Fred Okino</i>	Date 11 / 01

18. Transporter 2 Acknowledgement of Receipt of Materials		
Printed/Typed Name	Signature	Date

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date
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NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE MANIFEST

EES19

Manifest Document No. **NH 7930** 2. Page 1 of 1

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. **CA0000344051**

3. Generator's Name and Mailing Address
THE EARTHGRAINS COMPANY
 955 Kennedy St
 OAKLAND CA 94606

4. Generator's Phone **(618) 792-2468**

5. Transporter 1 Company Name **EVERGREEN ENVIRONMENTAL SERVICES** 6. US EPA ID Number **CAD982413262**

7. Transporter 2 Company Name 8. US EPA ID Number

9. Designated Facility Name and Site Address **EVERGREEN OIL, INC.**
 6880 Smith Avenue
 Newark, CA 94560 10. US EPA ID Number **CAD980887418**

A. State Transporter's ID
 B. Transporter 1 Phone **510 795-4400**

C. State Transporter's ID
 D. Transporter 2 Phone

E. State Facility's ID

F. Facility's Phone
510 795-4400

11. WASTE DESCRIPTION

12. Containers	13. Total Quantity	14. Uni Wt./V
a. Non-Hazardous waste, liquid	3000	G
b.		
c.		
d.		

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Profile # _____
 Do not ingest
 Wear protective clothing
 In case of emergency call: CHEMTREC 800-424-9300

Invoice: **577400**
 Sales Order: **0309302**

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name OTTA JANDER	Signature <i>[Signature]</i>	Date 10/29/11
--	---------------------------------	-------------------------

Printed/Typed Name Jesse FALIONE	Signature JL	Date 10/29/11
--	------------------------	-------------------------

Printed/Typed Name	Signature	Date
--------------------	-----------	------

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date
--------------------	-----------	------

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE MANIFEST

EES19

2. Page 1
of

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

CA0000344051

Manifest Document No.

NH 7942

3. Generator's Name and Mailing Address

THE EARTHGRAMS COMPANY
955 KENNEDY ST
OAKLAND CA 94606

4. Generator's Phone

(614) 792-2464

5. Transporter 1 Company Name

EVERGREEN ENVIRONMENTAL SERVICES

6.

US EPA ID Number

CAD982413262

8.

US EPA ID Number

10.

US EPA ID Number

CAD980887418

A. State Transporter's ID

B. Transporter 1 Phone 510 795-4400

C. State Transporter's ID

D. Transporter 2 Phone

E. State Facility's ID

F. Facility's Phone

510 795-4400

9. Designated Facility Name and Site Address

EVERGREEN OIL, INC.
6880 Smith Avenue
Newark, CA 94560

11. WASTE DESCRIPTION

12. Containers

No.

Type

13. Total Quantity

14. U Wt.

a. Non-Hazardous waste, liquid

001

TT

890

C

b.

c.

d.

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Profile # _____

Do not ingest

Wear protective clothing

In case of emergency call: CHEMTREC 800-424-9300

Invoice: 416865

Sales Order: NEW

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name

John Carrow

Signature

John Carrow

Date

Month Day
10 07

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

JOSSE FALONE

Signature

JF

Date

Month Day
10 07

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name

H135
Tony Foster

Signature

Tony Foster

Date

Month Day
10 07

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE MANIFEST

EES19

2. Page 1
of 1

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

CA 0000344071

Manifest Document No.

NH 7929

3. Generator's Name and Mailing Address

THE EVERGREEN COMPANY
905 KENNEDY ST
OAKLAND CA 94612

4. Generator's Phone () 792-3440

5. Transporter 1 Company Name

EVERGREEN ENVIRONMENTAL SERVICES

7. Transporter 2 Company Name

9. Designated Facility Name and Site Address

EVERGREEN OIL, INC.
6880 Smith Avenue
Newark, CA 94560

11. WASTE DESCRIPTION

a. Non-Hazardous waste, liquid

6.

US EPA ID Number

CAD982413262

8.

US EPA ID Number

10.

US EPA ID Number

CAD980887418

A. State Transporter's ID

B. Transporter 1 Phone 510 795-4400

C. State Transporter's ID

D. Transporter 2 Phone

E. State Facility's ID

F. Facility's Phone

510 795-4400

12. Containers

No.

Type

13. Total Quantity

14. Uni
Wt/V

001

TT

3000

G

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling instructions and Additional Information

Profile # 57965

Do not ingest

Wear protective clothing

In case of emergency call: CHEMTREC 800-424-9300

Invoice:

Sales Order:

577385

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name

John Curran

Signature

John Curran

Date

Month Day

10 21

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

JESSE FALIONE

Signature

Jesse Falione

Date

Month Day

10 21

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name

Signature

Date

Month Day

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE MANIFEST

EES19

2. Page 1

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

CA0000344051

Manifest Document No.

NH 7926

of

3. Generator's Name and Mailing Address

THE EASTMAN COMPANY
955 Kennedy St
Oakland CA 94612

4. Generator's Phone (415) 792-2404

5. Transporter 1 Company Name

EVERGREEN ENVIRONMENTAL SERVICES

7. Transporter 2 Company Name

6. US EPA ID Number

CAD982413262

8. US EPA ID Number

10. US EPA ID Number

CAD980887418

A. State Transporter's ID

B. Transporter 1 Phone 510 795-4400

C. State Transporter's ID

D. Transporter 2 Phone

E. State Facility's ID

F. Facility's Phone

510 795-4400

9. Designated Facility Name and Site Address

EVERGREEN OIL, INC.
6880 Smith Avenue
Newark, CA 94560

11. WASTE DESCRIPTION

12. Containers

No.

Type

13. Total Quantity

14. Un Wt

a. Non-Hazardous waste, liquid

001

TT

3000

G

b.

c.

d.

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

Profile # _____
Do not ingest
Wear protective clothing
In case of emergency call: CHEMTREC 800-424-9300

Invoice: 577381
Sales Order: 030805

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

<p style="font-size: 1.5em;">John</p>	
Printed/Typed Name	Date
John Carrara	10/21
Signature	Month Day

17. Transporter 1 Acknowledgement of Receipt of Materials	
<p style="font-size: 1.5em;">Jesse Talone</p>	
Printed/Typed Name	Date
Jesse Talone	10/21
Signature	Month Day

18. Transporter 2 Acknowledgement of Receipt of Materials	
<p style="font-size: 1.5em;">[Signature]</p>	
Printed/Typed Name	Date
	Month Day

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

<p style="font-size: 1.5em;">[Signature]</p>	
Printed/Typed Name	Date
	Month Day

NON-HAZARDOUS WASTE

GENERATOR

TRANSPORTER

FACILITY



Laboratory Results

John Carrow
Philip Services Corp
210 W Sand Bank Road
Columbia, IL 62236

Subject : 1 Water Sample
Project Name : Earthgrains Baking Companies, Inc.
Project Number : 100913-DB1
P.O. Number : 10000115199

Dear Mr. Carrow,

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. Testing procedures comply with the 2003 NELAC standard. All soil samples are reported on a total weight (wet weight) basis unless noted otherwise in the case narrative. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC. Kiff Analytical, LLC is certified by the State of California under the National Environmental Laboratory Accreditation Program (NELAP), lab # 08263CA. If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,



Joel Kiff



Report Number : 74530

Date : 09/20/2010

Project Name : **Earthgrains Baking Companies, Inc.**

Project Number : **100913-DB1**

Sample : **OS-1**

Matrix : Water

Lab Number : 74530-01

Sample Date :09/13/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Mercury	< 0.00050	0.00050	mg/L	EPA 7470A	09/20/10 13:54
Antimony	< 0.015	0.015	mg/L	EPA 6010B	09/16/10 14:57
Arsenic	< 0.015	0.015	mg/L	EPA 6010B	09/16/10 14:57
Barium	0.044	0.010	mg/L	EPA 6010B	09/16/10 14:57
Beryllium	< 0.0010	0.0010	mg/L	EPA 6010B	09/16/10 14:57
Cadmium	< 0.0010	0.0010	mg/L	EPA 6010B	09/16/10 14:57
Chromium	< 0.0050	0.0050	mg/L	EPA 6010B	09/16/10 14:57
Cobalt	< 0.0050	0.0050	mg/L	EPA 6010B	09/16/10 14:57
Copper	0.11	0.0050	mg/L	EPA 6010B	09/16/10 14:57
Lead	< 0.0050	0.0050	mg/L	EPA 6010B	09/16/10 14:57
Molybdenum	< 0.0050	0.0050	mg/L	EPA 6010B	09/16/10 14:57
Nickel	< 0.0050	0.0050	mg/L	EPA 6010B	09/16/10 14:57
Selenium	< 0.015	0.015	mg/L	EPA 6010B	09/16/10 14:57
Silver	< 0.0050	0.0050	mg/L	EPA 6010B	09/16/10 14:57
Thallium	< 0.015	0.015	mg/L	EPA 6010B	09/16/10 14:57
Vanadium	< 0.0050	0.0050	mg/L	EPA 6010B	09/16/10 14:57
Zinc	0.032	0.010	mg/L	EPA 6010B	09/16/10 14:57
TPH as Motor Oil	110	100	ug/L	M EPA 8015	09/17/10 07:17
Octacosane (Diesel Surrogate)	86.9		% Recovery	M EPA 8015	09/17/10 07:17

QC Report : Method Blank Data

Project Name : **Earthgrains Baking Companies, Inc.**

Project Number : **100913-DB1**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Antimony	< 0.015	0.015	mg/L	EPA 6010B	09/16/2010
Arsenic	< 0.015	0.015	mg/L	EPA 6010B	09/16/2010
Barium	< 0.010	0.010	mg/L	EPA 6010B	09/16/2010
Beryllium	< 0.0010	0.0010	mg/L	EPA 6010B	09/16/2010
Cadmium	< 0.0010	0.0010	mg/L	EPA 6010B	09/16/2010
Chromium	< 0.0050	0.0050	mg/L	EPA 6010B	09/16/2010
Cobalt	< 0.0050	0.0050	mg/L	EPA 6010B	09/16/2010
Copper	< 0.0050	0.0050	mg/L	EPA 6010B	09/16/2010
Lead	< 0.0050	0.0050	mg/L	EPA 6010B	09/16/2010
Molybdenum	< 0.0050	0.0050	mg/L	EPA 6010B	09/16/2010
Nickel	< 0.0050	0.0050	mg/L	EPA 6010B	09/16/2010
Selenium	< 0.015	0.015	mg/L	EPA 6010B	09/16/2010
Silver	< 0.0050	0.0050	mg/L	EPA 6010B	09/16/2010
Thallium	< 0.015	0.015	mg/L	EPA 6010B	09/16/2010
Vanadium	< 0.0050	0.0050	mg/L	EPA 6010B	09/16/2010
Zinc	< 0.010	0.010	mg/L	EPA 6010B	09/16/2010
Mercury	< 0.00050	0.00050	mg/L	EPA 7470A	09/20/2010
TPH as Motor Oil	< 100	100	ug/L	M EPA 8015	09/15/2010
Octacosane (Diesel Surrogate)	96.8		%	M EPA 8015	09/15/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
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QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **Earthgrains Baking Companies, Inc.**Project Number : **100913-DB1**

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.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel	BLANK	<100	1000	1000	1030	1010	ug/L	M EPA 8015	9/15/10	103	101	2.07	70-130	25
Antimony	74530-01	< 0.015	0.400	0.400	0.390	0.397	mg/L	EPA 6010B	9/16/10	97.2	99.1	1.86	75-125	20
Arsenic	74530-01	< 0.015	0.400	0.400	0.394	0.400	mg/L	EPA 6010B	9/16/10	98.6	100	1.46	75-125	20
Barium	74530-01	0.044	0.400	0.400	0.436	0.441	mg/L	EPA 6010B	9/16/10	98.0	99.1	1.03	75-125	20
Beryllium	74530-01	< 0.0010	0.400	0.400	0.396	0.403	mg/L	EPA 6010B	9/16/10	99.1	101	1.69	75-125	20
Cadmium	74530-01	< 0.0010	0.400	0.400	0.397	0.403	mg/L	EPA 6010B	9/16/10	99.1	101	1.60	75-125	20
Chromium	74530-01	< 0.0050	0.400	0.400	0.391	0.398	mg/L	EPA 6010B	9/16/10	97.6	99.4	1.88	75-125	20
Cobalt	74530-01	< 0.0050	0.400	0.400	0.397	0.404	mg/L	EPA 6010B	9/16/10	99.2	101	1.77	75-125	20
Copper	74530-01	0.11	0.400	0.400	0.500	0.501	mg/L	EPA 6010B	9/16/10	98.4	98.6	0.180	75-125	20

QC Report : Matrix Spike/ Matrix Spike DuplicateProject Name : **Earthgrains Baking Companies, Inc.**Project Number : **100913-DB1**

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.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Lead	74530-01	< 0.0050	0.400	0.400	0.387	0.393	mg/L	EPA 6010B	9/16/10	96.6	98.0	1.44	75-125	20
Molybdenum	74530-01	< 0.0050	0.400	0.400	0.398	0.406	mg/L	EPA 6010B	9/16/10	99.3	101	2.04	75-125	20
Nickel	74530-01	< 0.0050	0.400	0.400	0.400	0.407	mg/L	EPA 6010B	9/16/10	99.2	101	1.76	75-125	20
Selenium	74530-01	< 0.015	0.400	0.400	0.389	0.396	mg/L	EPA 6010B	9/16/10	97.2	99.0	1.88	75-125	20
Silver	74530-01	< 0.0050	0.100	0.100	0.0987	0.0998	mg/L	EPA 6010B	9/16/10	98.7	99.8	1.11	75-125	20
Thallium	74530-01	< 0.015	0.400	0.400	0.396	0.403	mg/L	EPA 6010B	9/16/10	98.9	101	1.90	75-125	20
Vanadium	74530-01	< 0.0050	0.400	0.400	0.397	0.402	mg/L	EPA 6010B	9/16/10	99.2	101	1.35	75-125	20
Zinc	74530-01	0.032	0.400	0.400	0.426	0.432	mg/L	EPA 6010B	9/16/10	98.6	100	1.30	75-125	20
Mercury	74530-01	< 0.00050	0.00100	0.00100	0.00103	0.00100	mg/L	EPA 7470A	9/20/10	103	100	2.96	75-125	20

QC Report : Laboratory Control Sample (LCS)Project Name : **Earthgrains Baking Companies, Inc.**Project Number : **100913-DB1**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Antimony	0.400	mg/L	EPA 6010B	9/16/10	97.8	85-115
Arsenic	0.400	mg/L	EPA 6010B	9/16/10	98.2	85-115
Barium	0.400	mg/L	EPA 6010B	9/16/10	98.5	85-115
Beryllium	0.400	mg/L	EPA 6010B	9/16/10	98.4	85-115
Cadmium	0.400	mg/L	EPA 6010B	9/16/10	99.4	85-115
Chromium	0.400	mg/L	EPA 6010B	9/16/10	98.4	85-115
Cobalt	0.400	mg/L	EPA 6010B	9/16/10	100	85-115
Copper	0.400	mg/L	EPA 6010B	9/16/10	97.5	85-115
Lead	0.400	mg/L	EPA 6010B	9/16/10	98.2	85-115
Molybdenum	0.400	mg/L	EPA 6010B	9/16/10	99.3	85-115
Nickel	0.400	mg/L	EPA 6010B	9/16/10	99.8	85-115
Selenium	0.400	mg/L	EPA 6010B	9/16/10	97.8	85-115
Silver	0.100	mg/L	EPA 6010B	9/16/10	98.2	85-115
Thallium	0.400	mg/L	EPA 6010B	9/16/10	98.4	85-115
Vanadium	0.400	mg/L	EPA 6010B	9/16/10	99.0	85-115
Zinc	0.400	mg/L	EPA 6010B	9/16/10	98.4	85-115
Mercury	0.00100	mg/L	EPA 7470A	9/20/10	101	85-115

74530

BLAINE

TECH SERVICES, INC.

CONDUCT ANALYSIS TOGETHER AVAILABLE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

CONDUCT ANALYSIS TOGETHER AVAILABLE

LAB # _____ KIP # _____ DHS # _____

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND

- EPA
- LIA
- OTHER
- RWQCB REGION _____

SPECIAL INSTRUCTIONS

Invoice & Report to: PSC Attn: John Carrow

210 West Sand Bank Rd. Columbia, IL 62236

PSC Project # *Contact John Carrow for PO#*
 cc:jcarrow@pscnow.com * *Verify CAM 17 Metals method with John Carrow.*
 Ph. 618-792-2468

CHAIN OF CUSTODY		BTS # 100913-DB1	
CLIENT		PSC	
SITE		Earthgrains Baking Companies, Inc.	
		955 Kennedy St.	
		Oakland, CA	

C = COMPOSITE ALL CONTAINERS	CAM 17 Metals (6010)*	TPH-motor oil	Oil & Grease										

SAMPLE I.D.	DATE	TIME	MATRIX	CONTAINERS	
			S=SOIL W=H ₂ O	TOTAL	
OS-1	9/13/10	1130	W	6	MIXED

ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
			01

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED
	9/13/10	1200	Dustin Becker	NO LATER THAN Standard TAT

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
<i>[Signature]</i>	9/13/10	1530	<i>[Signature]</i>	9/13/10	1530

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
<i>[Signature]</i>	9/14/10	1115	<i>[Signature]</i>	9/14/10	1115

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
<i>[Signature]</i>			<i>[Signature]</i>	9/14/10	1115

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

SAMPLE RECEIPT CHECKLIST

RECEIVER
ECS
Initials

SRG#: 74530 Date: 09/14/10
Project ID: PSC
Method of Receipt: Courier Over-the-counter Shipper

COC Inspection

Is COC present? Yes No
Custody seals on shipping container? Intact Broken Not present N/A
Is COC Signed by Relinquisher? Yes No Dated? Yes No
Is sampler name legibly indicated on COC? Yes No
Is analysis or hold requested for all samples? Yes No
Is the turnaround time indicated on COC? Yes No
Is COC free of whiteout and uninitialed cross-outs? Yes No, Whiteout No, Cross-outs

Sample Inspection

Coolant Present: Yes No (includes water)
Temperature °C 1.0 Therm. ID# 125 Initial GCY Date/Time 09/14/10 1448 N/A
Are there custody seals on sample containers? Intact Broken Not present
Do containers match COC? Yes No No, COC lists absent sample(s) No, Extra sample(s) present
Are there samples matrices other than soil, water, air or carbon? Yes No
Are any sample containers broken, leaking or damaged? Yes No
Are preservatives indicated? Yes, on sample containers Yes, on COC Not indicated N/A
Are preservatives correct for analyses requested? Yes No N/A
Are samples within holding time for analyses requested? Yes No
Are the correct sample containers used for the analyses requested? Yes No
Is there sufficient sample to perform testing? Yes No
Does any sample contain product, have strong odor or are otherwise suspected to be hot? Yes No
Receipt Details
Matrix WA Container type Vials # of containers received 3
Matrix poly WA Container type poly # of containers received 1
Matrix WA Container type glass # of containers received 2
Date and Time Sample Put into Temp Storage Date: 09/14/10 Time: 1750

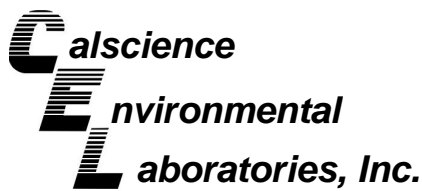
Quicklog

Are the Sample ID's indicated: On COC On sample container(s) On Both Not indicated
If Sample ID's are listed on both COC and containers, do they all match? Yes No N/A
Is the Project ID indicated: On COC On sample container(s) On Both Not indicated
If project ID is listed on both COC and containers, do they all match? Yes No N/A
Are the sample collection dates indicated: On COC On sample container(s) On Both Not indicated
If collection dates are listed on both COC and containers, do they all match? Yes No N/A
Are the sample collection times indicated: On COC On sample container(s) On Both Not indicated
If collection times are listed on both COC and containers, do they all match? Yes No N/A

COMMENTS:



Subcontract Laboratory Report Attachments



September 21, 2010

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

Subject: **CalScience Work Order No.: 10-09-1085**
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 9/15/2010 and analyzed in accordance with the attached chain-of-custody.

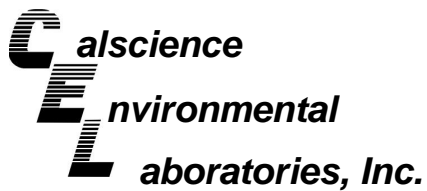
CalScience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analysis, 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,

A handwritten signature in black ink that reads "Amanda Porter".

CalScience Environmental
Laboratories, Inc.
Amanda Porter
Project Manager



Analytical Report



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

Date Received: 09/15/10
Work Order No: 10-09-1085
Preparation: N/A
Method: EPA 1664A

Project: Earthgrains Baking Companies, Inc.

Page 1 of 1

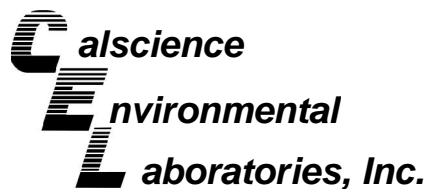
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OS-1	10-09-1085-1-B	09/13/10 11:30	Aqueous	N/A	09/16/10	09/16/10 21:00	A0916HEML1

<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
HEM: Oil and Grease	19.7	1.0	1		mg/L

Method Blank	099-05-119-2,474	N/A	Aqueous	N/A	09/16/10	09/16/10 21:00	A0916HEML1
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<u>Parameter</u>	<u>Result</u>	<u>RL</u>	<u>DF</u>	<u>Qual</u>	<u>Units</u>
HEM: Oil and Grease	ND	1.0	1		mg/L

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



Quality Control - Spike/Spike Duplicate



Kiff Analytical	Date Received:	09/15/10
2795 2nd Street, Suite 300	Work Order No:	10-09-1085
Davis, CA 95616-6593	Preparation:	N/A
	Method:	EPA 1664A

Project Earthgrains Baking Companies, Inc.

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
10-09-0882-1	Aqueous	N/A	09/16/10	09/16/10	A0916HEMS1

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
HEM: Oil and Grease	96	98	78-114	2	0-18	

RPD - Relative Percent Difference , CL - Control Limit



Kiff Analytical	Date Received:	N/A
2795 2nd Street, Suite 300	Work Order No:	10-09-1085
Davis, CA 95616-6593	Preparation:	N/A
	Method:	EPA 1664A

Project: Earthgrains Baking Companies, Inc.

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
099-05-119-2,474	Aqueous	N/A	09/16/10	NONE	A0916HEML1

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
HEM: Oil and Grease	40.0	38.9	97	78-114	

RPD - Relative Percent Difference , CL - Control Limit

Work Order Number: 10-09-1085

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
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 or PES/PESD 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 without further clarification.
B	Analyte was present in the associated method blank.
E	Concentration exceeds the calibration range.
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.
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.
X	% 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 Second Street, Suite 300
 Davis, CA 95618
 Lab: 530.297.4800
 Fax: 530.297.4808

Calscience
 7440 Lincoln Way
 Garden Grove, CA 92841-1427
 714-895-5494

1095

COC No. **74530** Page 1 of 1

Project Contact (Hardcopy or PDF to): **EDF Report? NO** **Chain-of-Custody Record and Analysis Request**

Scott Forbes

Company/Address: **Kiff Analytical** Recommended but not mandatory to complete this section:

Phone No.: **530-297-4800** FAX No.: **530-297-4808** Sampling Company Log Code: **Global ID:**

Project Number: **100913-DB1** P.O. No.: **74530** Deliverables to (Email Address): **inbox@kiffanalytical.com**

Project Name: **Earthgrains Baking Companies, Inc.** Container / Preservative Matrix

Project Address: **Sampling** 1-L Amber H₂SO₄ Water Oil and Grease

Sample Designation	Sampling		1-L Amber H ₂ SO ₄	Analysis Request												4-Days	TAT	For Lab Use Only		
	Date	Time		Matrix																
OS-1	09/13/10	11:30	2															X		1

Relinquished by: *[Signature]* Kiff Analytical Date: **09/14/10** Time: **1900** Received by:

Relinquished by: Date: Time: Received by:

Relinquished by: *[Signature]* Date: **9/15/10** Time: **1000** Received by Laboratory: *[Signature]* CEA

Remarks: Bill to: **Accounts Payable**



800.334.5000
ontrac.com



D10010315549068

Date Printed 9/14/2010

Tracking#D10010315549068

Shipped From:
KIFF ANALYTICAL
2795 2ND STREET 300
DAVIS, CA 95616

Sent By: SAMPLE RECEIVING
Phone#: (530)297-4800
wgt(lbs): 1
Reference: SUB
Reference 2:

1085

<p><i>Ship To Company:</i> CALSCIENCE ENVIRONMENTAL 7440 LINCOLN WAY GARDEN GROVE, CA 92841 RECEIVING (714)895-5494</p> <p>B10207210772</p>	<p><i>Service:</i> S</p> <p><i>Sort Code:</i> ORG</p> <p><i>Special Services:</i> Signature Required</p>
--	---

WORK ORDER #: **10-09-**1085

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: KIFF ANALYTICAL

DATE: 09/15/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 2.0 °C + 0.5 °C (CF) = 2.5 °C Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____).

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: Air Filter Metals Only PCBs Only Initial: WB

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A Initial: WB

Sample _____ No (Not Intact) Not Present Initial: WB

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

CONTAINER TYPE:

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (____): EnCores® TerraCores® _____

Water: VOA VOAh VOAna₂ 125AGB 125AGBh 125AGBp 1AGB 1AGBna₂ 1AGBs

500AGB 500AGJ 500AGJs 250AGB 250CGB 250CGBs 1PB 500PB 500PBna

250PB 250PBn 125PB 125PBz_{na} 100PJ 100PJna₂ _____ _____ _____

Air: Tedlar® Summa® **Other:** _____ **Trip Blank Lot#:** _____ **Labeled/Checked by:** WB

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** [Signature]

Preservative: h: HCL n: HNO₃ na₂: Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ z_{na}: ZnAc₂+NaOH f: Field-filtered **Scanned by:** [Signature]

APPENDIX D

ASBESTOS SURVEY AND CERTIFICATE OF COMPLETION



EMSL Analytical, Inc

2235 Polvorosa Ave , Suite 230, San Leandro, CA 94577

Phone: (510) 895-3675 Fax: (510) 895-3680 Email: milpitaslab@emsl.com

Attn: **Mike Noel**
Millennium Consulting Associates, Inc.
620 Contra Costa Blvd.
Suite 102
Pleasant Hill, CA 94523

Customer ID: MECA62
Customer PO: 5732
Received: 09/10/10 1:30 PM
EMSL Order: 091008062

Fax: (925) 808-6708 Phone: (925) 808-6700
Project: **5732**
18030.2000
Earthgrains Truckwash Structure
Oakland

EMSL Proj:
Analysis Date: 9/11/2010


Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
100910-2001 Moisture Barrier <small>091008062-0001</small>	Roof	Black Fibrous Homogeneous	25% Cellulose	50% Non-fibrous (other)	25% Chrysotile
100910-2002 Roof Mastic <small>091008062-0002</small>	Roof	Black Fibrous Homogeneous		90% Non-fibrous (other)	10% Chrysotile
100910-2003 Roof Core <small>091008062-0003</small>	Roof - NE	Black Fibrous Homogeneous	15% Cellulose	70% Non-fibrous (other)	15% Chrysotile
100910-2004 Particle Board <small>091008062-0004</small>	Roof - N	Brown Fibrous Homogeneous	30% Cellulose	30% Non-fibrous (other) 40% Perlite	None Detected
100910-2005 Roof Core <small>091008062-0005</small>	Roof - Center	Black Fibrous Homogeneous	25% Glass	75% Non-fibrous (other)	None Detected

Initial report from 09/11/2010 15:29:17

Analyst(s)

Nonette Patron (6)



Baojia Ke, Laboratory Manager
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.
Samples analyzed by EMSL Analytical, Inc 2235 Polvorosa Ave , Suite 230, San Leandro CA NVLAP Lab Code 101048-3, MA AA000201, WA C2007



EMSL Analytical, Inc

2235 Polvorosa Ave , Suite 230, San Leandro, CA 94577

Phone: (510) 895-3675 Fax: (510) 895-3680 Email: milpitaslab@emsl.com

Attn: **Mike Noel**
Millennium Consulting Associates, Inc.
620 Contra Costa Blvd.
Suite 102
Pleasant Hill, CA 94523

Customer ID: MECA62
Customer PO: 5732
Received: 09/10/10 1:30 PM
EMSL Order: 091008062

Fax: (925) 808-6708 Phone: (925) 808-6700
Project: **5732**
18030.2000
Earthgrains Truckwash Structure
Oakland

EMSL Proj:
Analysis Date: 9/11/2010


Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	<u>Non-Asbestos</u>		<u>Asbestos</u>
			% Fibrous	% Non-Fibrous	% Type
100910-2006 Roof Core 091008062-0006	Roof - SW	Black Fibrous Homogeneous	25% Glass	75% Non-fibrous (other)	None Detected

Initial report from 09/11/2010 15:29:17

Analyst(s)

Nonette Patron (6)



Baojia Ke, Laboratory Manager
or other approved signatory

Due to magnification limitations inherent in PLM, asbestos fibers in dimensions below the resolution capability of PLM may not be detected. Samples reported as <1% or none detected may require additional testing by TEM to confirm asbestos quantities. The above test report relates only to the items tested and may not be reproduced in any form without the express written approval of EMSL Analytical, Inc. EMSL's liability is limited to the cost of analysis. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.
Samples analyzed by EMSL Analytical, Inc 2235 Polvorosa Ave , Suite 230, San Leandro CA NVLAP Lab Code 101048-3, MA AA000201, WA C2007

Bluewater Environmental Services, Inc.

Asbestos Abatement Written Compliance Plan

1. **Location of Project:**

This job will take place at the following location: PSC – Earthgrains Bakery
955 Kennedy St.
Oakland, CA 94606

A previous asbestos inspection was conducted by the owner and this inspection revealed that asbestos materials are present in the following materials:

- See Exhibit B in contract – 1. Moisture barrier on pan deck, 2. Roof mastic in one small area on roof, 3. Top layer of roofing

These building components are asbestos containing and represent a hazard to workers who may disturb it during renovation, demolition or maintenance activities.

2. **Brief Description of Project:**

This project will involve removal and disposal of the roof of the truck washing building – appx 1000 SF.

3. **Schedule**

The project schedule will be 2 working days to complete.

Name of competent person representing Bluewater: Humberto Navarro – Supt.
3 member crew TBD

Work to proceed according to the following schedule:

1. Mobilize onsite with equipment and materials. Intall asbestos signs, block access to roof. Setup restricted area using portable barriers. Setup perimeter fall protection on roof. Setup wash station at roof access on ground. Remove roofing using hand tools. Bag asbestos roofing. Scrape mastic from metal pan deck. Hepa clean area at completion. Roofing will be disposed of as non-friable asbestos at Vasco Landfill. Personal air monitoring and full personal protective gear will be utilized throughout the removal and cleanup process.

4. **Equipment and Materials:**

The following list of equipment and materials may be utilized during this asbestos abatement project: HEPA vacuums, protective clothing, cotton work gloves, hammers, saws, wrecking bars, pry bars, screwdrivers, plastic sheeting, metal scrapers, water pumps, roller brushes, butyl rubber gloves, respirators, debris bins, and dumpsters.

5. **Crew**

The work will be completed by a crew of 3 men in 2 working days. Crew names will be determined closer to start date.

6. **Competent Person:**

XXXXXX will be onsite at all times and will act as the competent person for occupational health and safety issues. The asbestos abatement supervisor will conduct daily inspections of the work areas to ensure that control measures, work practices, personal protective equipment, and hygiene facilities are used as prescribed in this document.

7. **Control Measures:**

The primary control measures for this project are (Check all that apply)

- Negative Air Containment
- Decon Facilities
- Wet removal methods
- Method substitution (building component replacement)
- Wrapping materials to be discarded in plastic
- Respiratory protection
- Local exhaust ventilation (needle gun vacuum blasting)
- General room ventilation
- On the job training
- HEPA vacuums
- Containment
- Vacuum blasting equipment

8. **Respirators:**

All individuals in the work area will be provided with at least the minimum recommended NIOSH/MSHA - approved half-face air purifying respirator equipped with HEPA cartridges. This shall be upgraded or downgraded depending on the operation or associated hazards expected during the project according to the Respiratory Protection Program and air monitoring results.

Respirators will be provided in the context of a complete respiratory protection program. The written respiratory protection program can be found in the foreman's onsite safety manual.

10. **Protective Clothing:**

Disposable protective clothing will be worn at all times once the work area is established and removal is in process until clearance is obtained. Protective clothing will be made of breathable fabric to reduce the potential of worker heat stress.

11. **Hygiene Facilities:**

Washdown station with bucket and water will be provided. All employees leaving the work area will remove their disposable suits and clean their hands and face with water, soap and towel off. Towels will be provided.

12. **Air Monitoring Data:**

Air monitoring data conducted during use of this equipment under similar conditions indicate exposure levels under the PEL. Bluewater will conduct employee exposure monitoring for the duration of this project to ensure the proper respiratory protection is provided. This information will be posted daily on the job board and made available to all employees.

13. **Medical Surveillance Program:**

A medical surveillance program is in place for all Bluewater employees. It is supervised by Dr. Phil Collins MD of Spectrum Medical Center, 9811 Bigge St., Oakland, CA. Phone 510-569-3720.

A copy of the medical surveillance program is available in the Foreman's onsite manual. Copies of worker documents are available in the same manual.

14. **Training:**

All Bluewater workers have been trained to AHERA standards and will have certificates on file to document training

15. **Security:**

The work area will be secured by removing the access ladder at the end of the first and second days. The waste will be put in a Bluewater dump truck for disposal. This will be removed from the site daily. The work area will be posted with the Cal/Osha Asbestos Warning poster, Do Not Enter signs.

The following documents are included as part of this plan:

Respiratory Protection Program (this is located in the Foreman's Manual onsite)

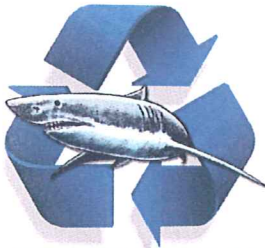
Historical Data of Air Monitoring (if applicable)

Training Documentation

Hazcom Program (Foreman's Manual)

IIPP (Foreman's Manual)

This plan was completed by: Chris J. Kirschenheuter
Sept 24, 2010



BLUEWATER
ENVIRONMENTAL SERVICES, INC.



CERTIFICATE OF COMPLETION/DISPOSAL

The following is to certify that the following services were completed on 10/4/2010

Project Location: 955 Kennedy Street
Oakland, California

Scope of Work: Removal, transportation and disposal of construction debris

Disposal Facility: Zanker Road Landfill
705 Los Esteros Road
San Jose, CA 95134

All activities provided were done with strict adherence to all Local, State and Federal regulations governing Contractor Assistance, Abatement, Demolition, Transportation and Disposal activities.

Chris J. Kirshenheuter
President, BES, Inc.

APPENDIX E

GEO TECHNICAL AND MATERIALS TESTING REPORTS



CONSOLIDATED ENGINEERING
LABORATORIES

12/6/2010

PSC Industrial Outsourcing, LP (E)
Scott Jander
210 West Sand Bank Road
Columbia, IL 62236

RE:	Earthgrains Source Removal Project	Inspection Date:	10/26/10
	955 Kennedy Street	Location:	Jobsite
	Client Job #624-0908-0043-J0008	Inspector:	R. Wenstrom
	Oakland, CA 94606	Report #:	001

CEL#: 1024292

EARTHWORK REPORT

Our representative observed site operations and/or performed nuclear gauge moisture and density determinations on compacted soils at the above project. Enclosed are the results of this testing.


REVIEWING GEOLOGIST: MARC HACHEY, CEG

CC:
PSC Industrial Outsourcing, LP (E)

PSC Industrial Outsourcing (E)

Enclosure (1)

All reports are submitted as the confidential property of clients. Publication of statements, conclusions, or extracts is reserved pending our written approval.



001

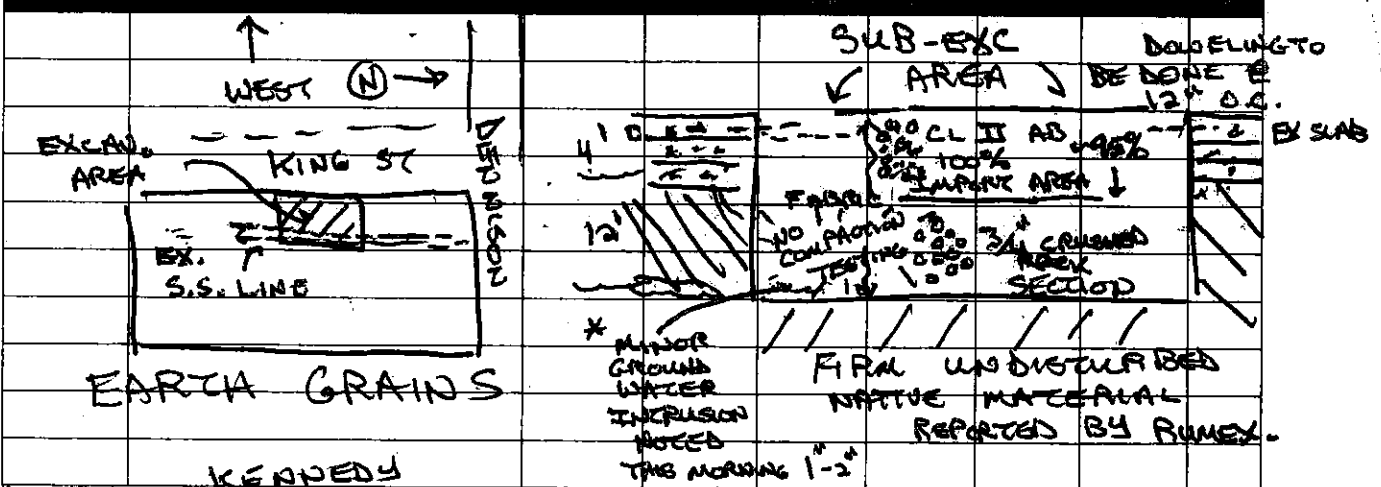
DAILY FIELD REPORT

Project Name: EARTH GRAINS SOURCE REMOVAL PROJECT		Report #: 1	Date: 10-26-2010
Field Rep: Raymond C. "Chuck" Wernstrom		Project Number: 1024292	Page 2 of 2
Contractor: RUMEX		Hours Charged: <input type="checkbox"/> Full Time <input checked="" type="checkbox"/> Part Time	
Contractor Representative: JACK		<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Compaction: NONE ON SITE YET		<input type="checkbox"/> Nuclear Type: N/A	
Moving: CASE 9040 B EXCAVATOR		<input type="checkbox"/> Tube	
Water:		<input type="checkbox"/> Sand Cone	
Support:		<input type="checkbox"/> Native	
Civil: NONE N/A		<input checked="" type="checkbox"/> Import (AMAN)	
Structural:		Fill Location: EARTH GRAINS BACK PARKING LOT - WEST SIDE OF PLANT - ADJ. KING STREET AT DENNISON.	
Geotech:			

S 10 10 26-1 CLII AB (RECYC)

SOURCE = AMAN - 8300 BALDWIN STREET OAKLAND, CA.

<input type="checkbox"/> 90%	<input type="checkbox"/> Opt. + 2%
<input checked="" type="checkbox"/> 95%	<input type="checkbox"/> Opt. + 2% to 5%
<input type="checkbox"/> Other:	<input type="checkbox"/> Other:



Comment/Sketch:
 1) SCOPE OF WORK TODAY WAS TO SAMPLE CLII AB (RECYC) THAT IS PLANNED AS UPPER 4'-5' OF FILL AT AN APPROX 30' X 40' EXCAVATION AT EARTHGRAINS. REPORTED MANDATED BY ALAMEDA COUNTY.
 2) OSHA RESTRICTIONS LIMIT FILL OPERATIONS OF CERTAIN TYPES IN THIS 12' DEEP VERTICAL SIDED EXCAVATION. ALL IMPACT (RECYC) PLANNED AS BACKFILL. CLII AB @ UPPER ~4' TO SLAB GRADE TO BE COMPACTION TESTED NEXT WEEK, CONTRACTOR REPORTS - ABOUT 1 TO 1 1/2 HRS MEETING W/ CLIENT 1ST THING PM TODAY.

NOTICE: Our firm's professionals are represented on site solely to observe operations of the contractor identified, to form opinions about the adequacy of those operations, and to report those opinions to our clients. The presence and activities of our field representatives do not relieve any contractor from its obligation to meet contractual requirements. No one except our client may rely on our findings and opinions. The contractor retains sole responsibility for the safety and the methods, operations, and sequences of construction.

This DFR is Preliminary - A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.

This DFR is Final - A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.

Field Representative: R. Wernstrom	Date: 10-26-10	Reviewed By:	Date:
---	-----------------------	--------------	-------

Handwritten signature/initials



CONSOLIDATED ENGINEERING
LABORATORIES

12/1/2010

PSC Industrial Outsourcing, LP (E)
Scott Jander
210 West Sand Bank Road
Columbia, IL 62236

RE: Earthgrains Source Removal Project
955 Kennedy Street
Client Job #624-0908-0043-J0008
Oakland, CA 94606

Inspection Date: 11/02-03/10
Location: Jobsite
Inspector: E. Forstreuter
Report #: 002

CEL#: 1024292

EARTHWORK REPORT

Our representative observed site operations and/or performed nuclear gauge moisture and density determinations on compacted soils at the above project. Enclosed are the results of this testing.

REVIEWING GEOLOGIST: MARC HACHEY, CEG

CC:
PSC Industrial Outsourcing, LP (E)

PSC Industrial Outsourcing (E)

Enclosures (2)

All reports are submitted as the confidential property of clients. Publication of statements, conclusions, or extracts is reserved pending our written approval.

002

DAILY FIELD REPORT

Report #:		Date: 11/2/10	
Project Name: EARTHCLAIMS SOURCE		Project Number: 1024292	
Field Rep: ERIC F. REMOVAL		Page 1 of 1	
Project Manager:		Hours Charged: 4	
Scope of Work: <input type="checkbox"/> Mass Grading <input type="checkbox"/> Pavement <input type="checkbox"/> Utility Trench <input checked="" type="checkbox"/> Other		<input checked="" type="checkbox"/> Full Time <input type="checkbox"/> Part Time	
Contractor: PSC INDUSTRIAL OUTSOURCING		Conditions: <input type="checkbox"/> Sunny <input type="checkbox"/> Windy <input type="checkbox"/> Hot <input type="checkbox"/> Mild	
Contractor Representative: SCOTT		<input type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Cold <input type="checkbox"/> Fog	

A SID

Curve #	Description	Max Density	Opt. Moisture	Required Compaction	Required Moisture
1026-01	CLASS 2 A.B	126	12	<input type="checkbox"/> 90% <input checked="" type="checkbox"/> 95% <input type="checkbox"/> Other:	<input type="checkbox"/> Opt. + 2% <input type="checkbox"/> Opt. + 2% to 5% <input type="checkbox"/> Other:
EAB - FINISH AGG. BASE					
DEMOLISHED FUEL ISLAND & TANK EXCAVATION					

Test #	Location	Elevation	Wet Density (pcf)	Moisture Content	Dry Density (pcf)	Curve #	Percent Compaction	Pass/Fail
1	N.E. QUADRANT	FAB-3.0'	12.2	119.4	A	95	P	
2	N.W	FAB-3.0'	13.9	119.1	A	95	P	
3	CENTRAL	" "	13.0	119.2	A	95	P	
4	S.E. QUADRANT	" "	12.9	120.5	A	96	P	
5	S.W	FAB-3.0'	13.4	120.9	A	96	P	
6	S.W CORNER	-2.0'	13.6	119.5	A	95	P	
7	S.E. QUADRANT	-2.0	12.5	120.5	A	96	P	
8	N.W	-2.0	12.9	121.6	A	96	P	
9	N.E. QUADRANT	-2.0	12.1	132.5	A	97	P	

NOTICE: Our firm's professionals are represented on site solely to observe operations of the contractor identified, to form opinions about the adequacy of those operations, and to report those opinions to our client. The presence and actions of our field representatives do not relieve any contractor from its obligation to meet contractual requirements. No one except our client may rely on our findings and opinions. The contractor retains sole responsibility for site safety and the methods, operations, and sequences of construction.

This DFR is Preliminary - A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.

This DFR is Final - A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.

Field Representative:	Date: 11/2/10	Reviewed By:	Date:
-----------------------	---------------	--------------	-------

002

DAILY FIELD REPORT

Report #:	Date: 11/3/10
Project Name: EARTHGRAINS SOURCE REMOVAL	Project Number: 1024292
Field Rep: GAINF	Page 1 of 1
Project Manager:	

Scope of Work: <input type="checkbox"/> Mass Grading <input type="checkbox"/> Pavement <input type="checkbox"/> Utility Trench <input checked="" type="checkbox"/> Other	Hours Charged: <input checked="" type="checkbox"/> Full Time <input type="checkbox"/> Part Time
Contractor: PSC INDUSTRIAL OUTSOURCING Contractor Representative: SCOTT	Conditions: <input type="checkbox"/> Sunny <input type="checkbox"/> Windy <input type="checkbox"/> Hot <input type="checkbox"/> Mild <input type="checkbox"/> Cloudy <input type="checkbox"/> Rain <input type="checkbox"/> Cold <input type="checkbox"/> Fog

Curve #	Description	Max Density	Opt. Moisture	Required Compaction	Required Moisture
A 5101026-01	CLASS 2 RECYCLED A-B	126.0	12	<input type="checkbox"/> 90% <input checked="" type="checkbox"/> 95% <input type="checkbox"/> Other:	<input type="checkbox"/> Opt. + 2% <input type="checkbox"/> Opt. + 2% to 5% <input checked="" type="checkbox"/> Other:

Test #	Location	Elevation	Wet Density (pcf)	Moisture Content	Dry Density (pcf)	Curve #	Percent Compaction	Pass/Fail
1	S.E. QUADRANT	-1.5'	}	14.2	119.4	A	95	P
2	SW "	-1.5'		14.0	120.6	A	96	P
3	N.E. "	-1.5'		13.1	121.7	A	97	P
4	N.W. QUADRANT	-1.5'		13.9	120.0	A	95	P
5	S.W. "	-0.5'		12.9	119.9	4	95	P
6	S.E. "	-0.5'		12.5	120.4	1	96	P
7	N.W. "	-0.5'		13.7	120.6	3	96	P
8	N.E. QUADRANT	-0.5'		12.4	121.1	1	96	P
9	SW CORNER	FAB		12.2	122.5	A	97	P
10	S.E. QUADRANT	FAB		11.7	120.1	A	95	P
11	N.E. "	FAB		12.1	121.6	A	97	P
12	N.W. QUADRANT	FAB		13.2	119.9	A	95	P

NOTICE: Our firm's professionals are represented on site solely to observe operations of the contractor identified, to form opinions about the safety of those operations, and to report those opinions to our client. The presence and activities of our field representatives do not relieve any contractor from its obligation to meet contractual requirements. No one except our client may rely on our findings and opinions. The contractor retains sole responsibility for site safety and the methods, operations, and sequence of construction.

This DFR is Preliminary - A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those indicated in a preliminary report.

This DFR is Final - A final report is an instrument of professional service. Any conclusions drawn from this report should be discussed with and evaluated by the professional involved.

Field Representative: 	Date: 11/3/10	Reviewed By: _____	Date: _____
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CONSOLIDATED ENGINEERING
L A B O R A T O R I E S

12/2/10

PSC Industrial Outsourcing, LP (E)
Scott Jander
210 West Sand Bank Road
Columbia, IL 62236

RE:	Earthgrains Source Removal Project	Inspection Date:	11/11/10
	955 Kennedy Street	Location:	Jobsite
	Client Job #624-0908-0043-J0008	Inspector:	D. Hewitt
	Oakland, CA 94606	Report #:	003
CEL#:	1024292		

CONCRETE INSPECTION REPORT

On the above date, our representative inspected the referenced project.

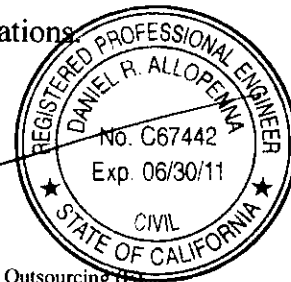
Please refer to the attached report for details and locations of our testing and/or inspection services for the above noted date.

Work inspected was in compliance with approved plans and specifications.

REVIEWING ENGINEER: DANIEL R. ALLOPENNA, E.C.E.

CC:
PSC Industrial Outsourcing, LP (E)

PSC Industrial Outsourcing (E)



Enclosure (1)

All reports are submitted as the confidential property of clients. Publication of statements, conclusions, or extracts is reserved pending our written approval.

003

CONSOLIDATED ENGINEERING LABORATORIES CONCRETE, PRECAST, REINFORCING, POST-TENSIONING

San Ramon, 2001 Crow Canyon Rd # 100, San Ramon, CA
 Sacramento, 950 River side Parkway Suite 60, W. Sacramento, CA

Windsor, 7757 Bell Rd. Windsor, CA

Project Name: earthgrains source removal project Date: 11-11-10 DSA File Number: _____
 Project Address: 599 Kennedy St, Oakland Project Number: 1024292 DSA Application Number/OSHPD/City: _____
 Building/Structure Number: _____ Inspector Name: Darrel Hewitt
 Reported to: SCOTT Company Name: _____

Inspected rebar placement at: _____

Inspected placement of: Anchor bolts Hold-downs Tie-downs Inspected: Cast-in-place Precast operations.
POST-TENSION Checked ram and gauge calibration Inspected stressing operations
 Elongations within limits Except at: _____
 Refer to the attached Post-Tension Data Sheets Monitored loads for correct mix and proper slump.

Inspected placing and vibrating of _____ cubic yards of concrete Inspected placing of _____ cubic feet of grout
 Performed slump air entrainment Unit weight tests
 Cast set(s) of cylinders grout cubes Cast _____ set(s) of shrinkage beams
 Concrete Mix Number: 217 Slumps in tolerance? Yes No Returned to plant for duration
 Work inspected was: Completed In Progress Pending Approval

WIP Punchlist dated: _____ Non-compliance report dated: _____
 _____ was left with contractor Items were reinspected and: accepted remain in progress See attached

Issues/Problems? Yes No (Describe below) Notified: _____
 Work inspected in compliance with: approved plans & specs shop drawings structural drawings
 Except as noted below _____ dwg. # _____ dated: _____

Notes: _____

Rebar	Concrete	PT	Placement Type (Slab, wall, footing)	Structure Bldg./Level	Location (Grid Lines)
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>slab</u>	<u>1</u>	<u>slab on grade middle 1/3</u>

Structural Drawings were: Available NOT Available If NOT Available, Notified: Field Supervisor Project Manager or Engineer at CEL

Signature Block Inspector name (print): Darrel Hewitt CERT # _____
 Signature: [Handwritten Signature]



COMPRESSION TEST REPORT

DATE OF ISSUE: 12/14/2010

RPT TO: PSC Industrial Outsourcing, LP (E)
210 West Sand Bank Road
Columbia, IL 62236

RE: Earthgrains Source Removal Project
955 Kennedy Street
Client Job #624-0908-0043-J0008
Oakland, CA 94606

ATTN: Scott Jander
Sjander@psnow.com

NA

CEL #: 1024292
Lab #: 006241

PLACEMENT DATA

Placement #:	1	Admixture type:	C-494A
Placement date:	11/11/2010	Mix Number	217
Sample date:	11/11/2010	Strength Spec:	5000 psi @ 28 days
Total sets:	1	Agg. Size/Src:	1" /
Material type:	Concrete Compression Cyl. ASTM C 39	Cement factor:	7.00 sack
Material Supplier:	Right Away Ready Mix	Slump spec:	4.00 in

SET DATA

Set number :	1 of 1	Slump:	5.00 in	ASTM C143
Sample time :	12:10	Air temp:	67 deg F	
Sampled by :	Darrel Hewitt	Mix temp:	78 deg F	ASTM C1064
Ticket/Truck :	142081 / 488			
Mold type :	CYL			
Placement Location:	Slab on grade middle 1/3			
Sample Location:	Same as above			
Comments:				

Cylinder #	Test Age	Test Date	Cure Type	Dimensions (in) Diameter X Height	Area (in ²)	Max Load (lb)	Corr Factor	Strength (psi)	Fracture Type
006241A	7	11/18/10	Lab	6.00 X 12.00	28.27	126,555	1.00	4,480	
006241B	7	11/18/10	Lab	6.00 X 12.00	28.27	125,590	1.00	4,440	
006241C	28	12/09/10	Lab	6.00 X 12.00	28.27	182,960	1.00	6,470	
006241D	28	12/09/10	Lab	6.00 X 12.00	28.27	184,265	1.00	6,520	

Samples MEET specified 28 DAY strength requirement at 28 DAYS. Avg=6500

Unless otherwise noted, samples tested in accordance with ASTM C 39

RESPECTFULLY SUBMITTED: Consolidated Engineering , Rick Navarro , LAB MANAGER

CC: -

PSC Industrial Outsourcing - John Carrow
PSC Industrial Outsourcing, LP - Scott Jander



CONSOLIDATED ENGINEERING
L A B O R A T O R I E S

12/13/2010

PSC Industrial Outsourcing, LP (E)
Scott Jander
210 West Sand Bank Road
Columbia, IL 62236

RE: Earthgrains Source Removal Project
955 Kennedy Street
Client Job #624-0908-0043-J0008
Oakland, CA 94606

CEL#: 1024292
LAB # S101026-01

LABORATORY REPORT

Consolidated Engineering Laboratories has performed testing of materials for the above project as noted below. Testing was performed in accordance with the indicated test method. Results are as follows:

Material: Soil/Aggregate – Recycled AB Class 2
Location: West Back Parking Lot
Source: Aman
Sample Date: 10/26/10
Sampled By: R.C. Wenstrom

Please refer to the attached data sheets for results.

REVIEWING ENGINEER: Rick Navarro

CC:
PSC Industrial Outsourcing, LP (E)

PSC Industrial Outsourcing (E)

Enclosure (1)

All reports are submitted as the confidential property of clients. Publication of statements, conclusions, or extracts is reserved pending our written approval.

COMPACTION TEST REPORT



Test specification: ASTM D 1557-02e1 Procedure C Modified

Elev/ Depth	Classification		Nat. Moist.	Sp.G.	LL	PI	% > 3/4 in.	% < No.200
	USCS	AASHTO						
							6.0	

ROCK CORRECTED TEST RESULTS	UNCORRECTED	MATERIAL DESCRIPTION
Maximum dry density = 126.0 pcf	125.0 pcf	Recycled Class 2 Agg. Base Sampled on 10-26-10 by R. C. Winstrom
Optimum moisture = 12.0 %	12.5 %	

Project No. 10-24292 Client: Project: EARTHGRAINS SOURCE REMOVAL PROJECT ● Location: West Parking Lot	Remarks:
Consolidated Engineering Laboratories Oakland, California	

APPENDIX F

SOIL DISPOSAL WEIGH TICKET SUMMARY

CONTRACT ACTIVITY REPORT
 From: Apr 01, 2010 To: Nov 05, 2010
 Specified Contract: 38501015577

Facility: All Facilities

DETAILED REPORT

Ticket Type: All Ticket Types

Ticket Date	Ticket Number	Customer	Material	Billing Quantity	Minimum Quantity	Maximum Quantity	Material Total	Tax Total	Total	Contract Rate
38501015577										
19 Oct 10	086473-00	021299-0000 - RUMEX CONS'	SW-BENEFICIAL REUSE	22.03			TN			
19 Oct 10	086473-01	021299-0000 - RUMEX CONS'	ENVIRONMENTAL FEE	1.00			LD			
19 Oct 10	086473-02	021299-0000 - RUMEX CONS'	FUEL RECOVERY FEE	1.00			LD			
19 Oct 10	086531-00	021299-0000 - RUMEX CONS'	SW-BENEFICIAL REUSE	18.33			TN			
19 Oct 10	086531-01	021299-0000 - RUMEX CONS'	ENVIRONMENTAL FEE	1.00			LD			
19 Oct 10	086531-02	021299-0000 - RUMEX CONS'	FUEL RECOVERY FEE	1.00			LD			
19 Oct 10	086563-00	021299-0000 - RUMEX CONS'	SW-BENEFICIAL REUSE	22.07			TN			
19 Oct 10	086563-01	021299-0000 - RUMEX CONS'	ENVIRONMENTAL FEE	1.00			LD			
19 Oct 10	086563-02	021299-0000 - RUMEX CONS'	FUEL RECOVERY FEE	1.00			LD			
19 Oct 10	086554-00	021299-0000 - RUMEX CONS'	SW-BENEFICIAL REUSE	22.96			TN			
19 Oct 10	086554-01	021299-0000 - RUMEX CONS'	ENVIRONMENTAL FEE	1.00			LD			
19 Oct 10	086554-02	021299-0000 - RUMEX CONS'	FUEL RECOVERY FEE	1.00			LD			
19 Oct 10	086582-00	021299-0000 - RUMEX CONS'	SW-BENEFICIAL REUSE	20.67			TN			
19 Oct 10	086582-01	021299-0000 - RUMEX CONS'	ENVIRONMENTAL FEE	1.00			LD			
19 Oct 10	086582-02	021299-0000 - RUMEX CONS'	FUEL RECOVERY FEE	1.00			LD			
19 Oct 10	086606-00	021299-0000 - RUMEX CONS'	SW-BENEFICIAL REUSE	22.95			TN			
19 Oct 10	086606-01	021299-0000 - RUMEX CONS'	ENVIRONMENTAL FEE	1.00			LD			
19 Oct 10	086606-02	021299-0000 - RUMEX CONS'	FUEL RECOVERY FEE	1.00			LD			
20 Oct 10	086659-00	021299-0000 - RUMEX CONS'	SW-BENEFICIAL REUSE	23.24			TN			
20 Oct 10	086659-01	021299-0000 - RUMEX CONS'	ENVIRONMENTAL FEE	1.00			LD			
20 Oct 10	086659-02	021299-0000 - RUMEX CONS'	FUEL RECOVERY FEE	1.00			LD			
20 Oct 10	086675-00	021299-0000 - RUMEX CONS'	SW-BENEFICIAL REUSE	21.44			TN			
20 Oct 10	086675-01	021299-0000 - RUMEX CONS'	ENVIRONMENTAL FEE	1.00			LD			
20 Oct 10	086675-02	021299-0000 - RUMEX CONS'	FUEL RECOVERY FEE	1.00			LD			
20 Oct 10	086680-00	021299-0000 - RUMEX CONS'	SW-BENEFICIAL REUSE	22.60			TN			
20 Oct 10	086680-01	021299-0000 - RUMEX CONS'	ENVIRONMENTAL FEE	1.00			LD			
20 Oct 10	086680-02	021299-0000 - RUMEX CONS'	FUEL RECOVERY FEE	1.00			LD			
20 Oct 10	086719-00	021299-0000 - RUMEX CONS'	SW-BENEFICIAL REUSE	23.00			TN			
20 Oct 10	086719-01	021299-0000 - RUMEX CONS'	ENVIRONMENTAL FEE	1.00			LD			
20 Oct 10	086719-02	021299-0000 - RUMEX CONS'	FUEL RECOVERY FEE	1.00			LD			
20 Oct 10	086728-00	021299-0000 - RUMEX CONS'	SW-BENEFICIAL REUSE	24.15			TN			
20 Oct 10	086728-01	021299-0000 - RUMEX CONS'	ENVIRONMENTAL FEE	1.00			LD			
20 Oct 10	086728-02	021299-0000 - RUMEX CONS'	FUEL RECOVERY FEE	1.00			LD			
20 Oct 10	086731-00	021299-0000 - RUMEX CONS'	SW-BENEFICIAL REUSE	21.55			TN			
20 Oct 10	086731-01	021299-0000 - RUMEX CONS'	ENVIRONMENTAL FEE	1.00			LD			
20 Oct 10	086731-02	021299-0000 - RUMEX CONS'	FUEL RECOVERY FEE	1.00			LD			
20 Oct 10	086735-00	021299-0000 - RUMEX CONS'	SW-BENEFICIAL REUSE	25.95			TN			
20 Oct 10	086735-01	021299-0000 - RUMEX CONS'	ENVIRONMENTAL FEE	1.00			LD			
20 Oct 10	086735-02	021299-0000 - RUMEX CONS'	FUEL RECOVERY FEE	1.00			LD			

*Report pages from
 Vasco Road Landfill
 Total: 9 pages*

CONTRACT ACTIVITY REPORT
 From: Apr 01, 2010 To: Nov 05, 2010
 Specified Contract: 38501015577

Facility: All Facilities

DETAILED REPORT

Ticket Type: All Ticket Types

Ticket Date	Ticket Number	Customer	Material	Billing Quantity	Minimum Quantity	Maximum Quantity	Material Total	Tax Total	Total	Contract Rate
20 Oct 10	086767-00	021299-0000 - RUMEX CONS	SW-BENEFICIAL REUSE	23.36	TN					
20 Oct 10	086767-01	021299-0000 - RUMEX CONS	ENVIRONMENTAL FEE	1.00	LD					
20 Oct 10	086767-02	021299-0000 - RUMEX CONS	FUEL RECOVERY FEE	1.00	LD					
20 Oct 10	086795-00	021299-0000 - RUMEX CONS	SW-BENEFICIAL REUSE	23.35	TN					
20 Oct 10	086795-01	021299-0000 - RUMEX CONS	ENVIRONMENTAL FEE	1.00	LD					
20 Oct 10	086795-02	021299-0000 - RUMEX CONS	FUEL RECOVERY FEE	1.00	LD					
20 Oct 10	086799-00	021299-0000 - RUMEX CONS	SW-BENEFICIAL REUSE	24.94	TN					
20 Oct 10	086799-01	021299-0000 - RUMEX CONS	ENVIRONMENTAL FEE	1.00	LD					
20 Oct 10	086799-02	021299-0000 - RUMEX CONS	FUEL RECOVERY FEE	1.00	LD					
20 Oct 10	086807-00	021299-0000 - RUMEX CONS	SW-BENEFICIAL REUSE	24.41	TN					
20 Oct 10	086807-01	021299-0000 - RUMEX CONS	ENVIRONMENTAL FEE	1.00	LD					
20 Oct 10	086807-02	021299-0000 - RUMEX CONS	FUEL RECOVERY FEE	1.00	LD					
20 Oct 10	086829-00	021299-0000 - RUMEX CONS	SW-BENEFICIAL REUSE	23.81	TN					
20 Oct 10	086829-01	021299-0000 - RUMEX CONS	ENVIRONMENTAL FEE	1.00	LD					
20 Oct 10	086829-02	021299-0000 - RUMEX CONS	FUEL RECOVERY FEE	1.00	LD					
21 Oct 10	087006-00	021299-0000 - RUMEX CONS	SW-BENEFICIAL REUSE	25.61	TN					
21 Oct 10	087006-01	021299-0000 - RUMEX CONS	ENVIRONMENTAL FEE	1.00	LD					
21 Oct 10	087006-02	021299-0000 - RUMEX CONS	FUEL RECOVERY FEE	1.00	LD					
21 Oct 10	087030-00	021299-0000 - RUMEX CONS	SW-BENEFICIAL REUSE	23.87	TN					
21 Oct 10	087030-01	021299-0000 - RUMEX CONS	ENVIRONMENTAL FEE	1.00	LD					
21 Oct 10	087030-02	021299-0000 - RUMEX CONS	FUEL RECOVERY FEE	1.00	LD					
21 Oct 10	087054-00	021299-0000 - RUMEX CONS	SW-BENEFICIAL REUSE	25.55	TN					
21 Oct 10	087054-01	021299-0000 - RUMEX CONS	ENVIRONMENTAL FEE	1.00	LD					
21 Oct 10	087054-02	021299-0000 - RUMEX CONS	FUEL RECOVERY FEE	1.00	LD					
22 Oct 10	087133-00	021299-0000 - RUMEX CONS	SW-BENEFICIAL REUSE	23.64	TN					
22 Oct 10	087133-01	021299-0000 - RUMEX CONS	ENVIRONMENTAL FEE	1.00	LD					
22 Oct 10	087133-02	021299-0000 - RUMEX CONS	FUEL RECOVERY FEE	1.00	LD					
22 Oct 10	087144-00	021299-0000 - RUMEX CONS	SW-BENEFICIAL REUSE	25.72	TN					
22 Oct 10	087144-01	021299-0000 - RUMEX CONS	ENVIRONMENTAL FEE	1.00	LD					
22 Oct 10	087144-02	021299-0000 - RUMEX CONS	FUEL RECOVERY FEE	1.00	LD					
22 Oct 10	087158-00	021299-0000 - RUMEX CONS	SW-BENEFICIAL REUSE	24.50	TN					
22 Oct 10	087158-01	021299-0000 - RUMEX CONS	ENVIRONMENTAL FEE	1.00	LD					
22 Oct 10	087158-02	021299-0000 - RUMEX CONS	FUEL RECOVERY FEE	1.00	LD					
22 Oct 10	087179-00	021299-0000 - RUMEX CONS	SW-BENEFICIAL REUSE	22.85	TN					
22 Oct 10	087179-01	021299-0000 - RUMEX CONS	ENVIRONMENTAL FEE	1.00	LD					
22 Oct 10	087179-02	021299-0000 - RUMEX CONS	FUEL RECOVERY FEE	1.00	LD					
22 Oct 10	087203-00	021299-0000 - RUMEX CONS	SW-BENEFICIAL REUSE	25.51	TN					
22 Oct 10	087203-01	021299-0000 - RUMEX CONS	ENVIRONMENTAL FEE	1.00	LD					
22 Oct 10	087203-02	021299-0000 - RUMEX CONS	FUEL RECOVERY FEE	1.00	LD					
22 Oct 10	087248-00	021299-0000 - RUMEX CONS	SW-BENEFICIAL REUSE	22.54	TN					
22 Oct 10	087248-01	021299-0000 - RUMEX CONS	ENVIRONMENTAL FEE	1.00	LD					

CONTRACT ACTIVITY REPORT
 From: Apr 01, 2010 To: Nov 05, 2010
 Specified Contract: 38501015577

Facility: All Facilities

DETAILED REPORT

Ticket Type: All Ticket Types

Ticket Date	Ticket Number	Customer	Material	Billing Quantity	Minimum Quantity	Maximum Quantity	Material Total	Tax Total	Total	Contract Rate
22 Oct 10	087248-02	021299-0000 - RUMEX CONS'	FUEL RECOVERY FEE	1.00	LD					
22 Oct 10	087259-00	021299-0000 - RUMEX CONS'	SW-BENEFICIAL REUSE	18.16	TN					
22 Oct 10	087259-01	021299-0000 - RUMEX CONS'	ENVIRONMENTAL FEE	1.00	LD					
22 Oct 10	087259-02	021299-0000 - RUMEX CONS'	FUEL RECOVERY FEE	1.00	LD					
22 Oct 10	087277-00	021299-0000 - RUMEX CONS'	SW-BENEFICIAL REUSE	20.40	TN					
22 Oct 10	087277-01	021299-0000 - RUMEX CONS'	ENVIRONMENTAL FEE	1.00	LD					
22 Oct 10	087277-02	021299-0000 - RUMEX CONS'	FUEL RECOVERY FEE	1.00	LD					
22 Oct 10	087290-00	021299-0000 - RUMEX CONS'	SW-BENEFICIAL REUSE	13.59	TN					
22 Oct 10	087290-01	021299-0000 - RUMEX CONS'	ENVIRONMENTAL FEE	1.00	LD					
22 Oct 10	087290-02	021299-0000 - RUMEX CONS'	FUEL RECOVERY FEE	1.00	LD					
22 Oct 10	087295-00	021299-0000 - RUMEX CONS'	SW-BENEFICIAL REUSE	18.78	TN					
22 Oct 10	087295-01	021299-0000 - RUMEX CONS'	ENVIRONMENTAL FEE	1.00	LD					
22 Oct 10	087295-02	021299-0000 - RUMEX CONS'	FUEL RECOVERY FEE	1.00	LD					
25 Oct 10	087599-00	021299-0000 - RUMEX CONS'	SW-BENEFICIAL REUSE	23.30	TN					
25 Oct 10	087599-01	021299-0000 - RUMEX CONS'	ENVIRONMENTAL FEE	1.00	LD					
25 Oct 10	087599-02	021299-0000 - RUMEX CONS'	FUEL RECOVERY FEE	1.00	LD					
25 Oct 10	087604-00	021299-0000 - RUMEX CONS'	SW-BENEFICIAL REUSE	23.38	TN					
25 Oct 10	087604-01	021299-0000 - RUMEX CONS'	ENVIRONMENTAL FEE	1.00	LD					
25 Oct 10	087604-02	021299-0000 - RUMEX CONS'	FUEL RECOVERY FEE	1.00	LD					
26 Oct 10	087695-00	021299-0000 - RUMEX CONS'	SW-BENEFICIAL REUSE	21.27	TN					
26 Oct 10	087695-01	021299-0000 - RUMEX CONS'	ENVIRONMENTAL FEE	1.00	LD					
26 Oct 10	087695-02	021299-0000 - RUMEX CONS'	FUEL RECOVERY FEE	1.00	LD					
26 Oct 10	087698-00	021299-0000 - RUMEX CONS'	SW-BENEFICIAL REUSE	22.21	TN					
26 Oct 10	087698-01	021299-0000 - RUMEX CONS'	ENVIRONMENTAL FEE	1.00	LD					
26 Oct 10	087698-02	021299-0000 - RUMEX CONS'	FUEL RECOVERY FEE	1.00	LD					
26 Oct 10	087719-00	021299-0000 - RUMEX CONS'	SW-BENEFICIAL REUSE	23.82	TN					
26 Oct 10	087719-01	021299-0000 - RUMEX CONS'	ENVIRONMENTAL FEE	1.00	LD					
26 Oct 10	087719-02	021299-0000 - RUMEX CONS'	FUEL RECOVERY FEE	1.00	LD					
26 Oct 10	087722-00	021299-0000 - RUMEX CONS'	SW-BENEFICIAL REUSE	22.43	TN					
26 Oct 10	087722-01	021299-0000 - RUMEX CONS'	ENVIRONMENTAL FEE	1.00	LD					
26 Oct 10	087722-02	021299-0000 - RUMEX CONS'	FUEL RECOVERY FEE	1.00	LD					
26 Oct 10	087791-00	021299-0000 - RUMEX CONS'	SW-BENEFICIAL REUSE	23.76	TN					
26 Oct 10	087791-01	021299-0000 - RUMEX CONS'	ENVIRONMENTAL FEE	1.00	LD					
26 Oct 10	087791-02	021299-0000 - RUMEX CONS'	FUEL RECOVERY FEE	1.00	LD					
26 Oct 10	087799-00	021299-0000 - RUMEX CONS'	SW-BENEFICIAL REUSE	22.85	TN					
26 Oct 10	087799-01	021299-0000 - RUMEX CONS'	ENVIRONMENTAL FEE	1.00	LD					
26 Oct 10	087799-02	021299-0000 - RUMEX CONS'	FUEL RECOVERY FEE	1.00	LD					
26 Oct 10	087823-00	021299-0000 - RUMEX CONS'	SW-BENEFICIAL REUSE	26.24	TN					
26 Oct 10	087823-01	021299-0000 - RUMEX CONS'	ENVIRONMENTAL FEE	1.00	LD					
26 Oct 10	087823-02	021299-0000 - RUMEX CONS'	FUEL RECOVERY FEE	1.00	LD					
26 Oct 10	087839-00	021299-0000 - RUMEX CONS'	SW-BENEFICIAL REUSE	24.43	TN					

CONTRACT ACTIVITY REPORT
 From: Apr 01, 2010 To: Nov 05, 2010
 Specified Contract: 38501015577

Facility: All Facilities

DETAILED REPORT

Ticket Type: All Ticket Types

Ticket Date	Ticket Number	Customer	Material	Billing Quantity	Minimum Quantity	Maximum Quantity	Material Total	Tax Total	Total	Contract Rate
26 Oct 10	087839-01	021299-0000 - RUMEX CONS	ENVIRONMENTAL FEE	1.00	LD					
26 Oct 10	087839-02	021299-0000 - RUMEX CONS	FUEL RECOVERY FEE	1.00	LD					
26 Oct 10	087844-00	021299-0000 - RUMEX CONS	SW-BENEFICIAL REUSE	21.46	TN					
26 Oct 10	087844-01	021299-0000 - RUMEX CONS	ENVIRONMENTAL FEE	1.00	LD					
26 Oct 10	087844-02	021299-0000 - RUMEX CONS	FUEL RECOVERY FEE	1.00	LD					
27 Oct 10	087919-00	021299-0000 - RUMEX CONS	SW-BENEFICIAL REUSE	25.24	TN					
27 Oct 10	087919-01	021299-0000 - RUMEX CONS	ENVIRONMENTAL FEE	1.00	LD					
27 Oct 10	087919-02	021299-0000 - RUMEX CONS	FUEL RECOVERY FEE	1.00	LD					
27 Oct 10	087969-00	021299-0000 - RUMEX CONS	SW-BENEFICIAL REUSE	21.08	TN					
27 Oct 10	087969-01	021299-0000 - RUMEX CONS	ENVIRONMENTAL FEE	1.00	LD					
27 Oct 10	087969-02	021299-0000 - RUMEX CONS	FUEL RECOVERY FEE	1.00	LD					
27 Oct 10	087986-00	021299-0000 - RUMEX CONS	SW-BENEFICIAL REUSE	20.82	TN					
27 Oct 10	087986-01	021299-0000 - RUMEX CONS	ENVIRONMENTAL FEE	1.00	LD					
27 Oct 10	087986-02	021299-0000 - RUMEX CONS	FUEL RECOVERY FEE	1.00	LD					
27 Oct 10	087985-00	021299-0000 - RUMEX CONS	SW-BENEFICIAL REUSE	25.94	TN					
27 Oct 10	087985-01	021299-0000 - RUMEX CONS	ENVIRONMENTAL FEE	1.00	LD					
27 Oct 10	087985-02	021299-0000 - RUMEX CONS	FUEL RECOVERY FEE	1.00	LD					
27 Oct 10	088017-00	021299-0000 - RUMEX CONS	SW-BENEFICIAL REUSE	21.67	TN					
27 Oct 10	088017-01	021299-0000 - RUMEX CONS	ENVIRONMENTAL FEE	1.00	LD					
27 Oct 10	088017-02	021299-0000 - RUMEX CONS	FUEL RECOVERY FEE	1.00	LD					
27 Oct 10	088033-00	021299-0000 - RUMEX CONS	SW-BENEFICIAL REUSE	19.67	TN					
27 Oct 10	088033-01	021299-0000 - RUMEX CONS	ENVIRONMENTAL FEE	1.00	LD					
27 Oct 10	088033-02	021299-0000 - RUMEX CONS	FUEL RECOVERY FEE	1.00	LD					
27 Oct 10	088038-00	021299-0000 - RUMEX CONS	SW-BENEFICIAL REUSE	20.80	TN					
27 Oct 10	088038-01	021299-0000 - RUMEX CONS	ENVIRONMENTAL FEE	1.00	LD					
27 Oct 10	088038-02	021299-0000 - RUMEX CONS	FUEL RECOVERY FEE	1.00	LD					
27 Oct 10	088058-00	021299-0000 - RUMEX CONS	SW-BENEFICIAL REUSE	19.75	TN					
27 Oct 10	088058-01	021299-0000 - RUMEX CONS	ENVIRONMENTAL FEE	1.00	LD					
27 Oct 10	088058-02	021299-0000 - RUMEX CONS	FUEL RECOVERY FEE	1.00	LD					
27 Oct 10	088061-00	021299-0000 - RUMEX CONS	SW-BENEFICIAL REUSE	20.18	TN					
27 Oct 10	088061-01	021299-0000 - RUMEX CONS	ENVIRONMENTAL FEE	1.00	LD					
27 Oct 10	088061-02	021299-0000 - RUMEX CONS	FUEL RECOVERY FEE	1.00	LD					
28 Oct 10	088112-00	021299-0000 - RUMEX CONS	SW-BENEFICIAL REUSE	23.47	TN					
28 Oct 10	088112-01	021299-0000 - RUMEX CONS	ENVIRONMENTAL FEE	1.00	LD					
28 Oct 10	088112-02	021299-0000 - RUMEX CONS	FUEL RECOVERY FEE	1.00	LD					
29 Oct 10	088326-00	021299-0000 - RUMEX CONS	SW-BENEFICIAL REUSE	25.32	TN					
29 Oct 10	088326-01	021299-0000 - RUMEX CONS	ENVIRONMENTAL FEE	1.00	LD					
29 Oct 10	088326-02	021299-0000 - RUMEX CONS	FUEL RECOVERY FEE	1.00	LD					
29 Oct 10	088400-00	021299-0000 - RUMEX CONS	SW-BENEFICIAL REUSE	22.21	TN					
29 Oct 10	088400-01	021299-0000 - RUMEX CONS	ENVIRONMENTAL FEE	1.00	LD					
29 Oct 10	088400-02	021299-0000 - RUMEX CONS	FUEL RECOVERY FEE	1.00	LD					

CONTRACT ACTIVITY REPORT
 From: Apr 01, 2010 To: Nov 05, 2010
 Specified Contract: 38501015577

Facility: All Facilities

DETAILED REPORT

Ticket Type: All Ticket Types

Ticket Date	Ticket Number	Customer	Material	Billing Quantity	Minimum Quantity	Maximum Quantity	Material Total	Tax Total	Total	Contract Rate
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CONTRACT TOTALS :

Material Summary	Inbound		Outbound		Billing Quantity	Contract Ordered	Ordered Variance	Total
	Weight	Volume	Weight	Volume				
WU - SW-BENEFICIAL REUSE	1,222.83 TN	0.00 YD	0.00 TN	0.00 YD	1,222.83 TN	0.00	1,222.83	
() - ENVIRONMENTAL FEE	0.00 TN	0.00 YD	0.00 TN	0.00 YD	54.00 LD	0.00	54.00	
)1 - FUEL RECOVERY FEE	0.00 TN	0.00 YD	0.00 TN	0.00 YD	54.00 LD	0.00	54.00	
TOTALS	1,222.83 TN	0.00 YD	0.00 TN	0.00 YD				

APPENDIX G

SOIL SAMPLE ANALYTICAL REPORTS



Laboratory Results

John Carrow
Philip Services Corp
210 W Sand Bank Road
Columbia, IL 62236

Subject : 6 Soil Samples
Project Name : EARTHGRAINS SOURCE AREA REMOVAL PROJECT
Project Number : 624-0908-0043-J0004
P.O. Number : 10000118992

Dear Mr. Carrow,

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. Testing procedures comply with the 2003 NELAC standard. All soil samples are reported on a total weight (wet weight) basis unless noted otherwise in the case narrative. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC. Kiff Analytical, LLC is certified by the State of California under the National Environmental Laboratory Accreditation Program (NELAP), lab # 08263CA. If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,



Joel Kiff

Subject : 6 Soil Samples
Project Name : EARTHGRAINS SOURCE AREA REMOVAL PROJECT
Project Number : 624-0908-0043-J0004
P.O. Number : 10000118992

Case Narrative

Matrix Spike/Matrix Spike Duplicate results associated with samples SR-CS-01 (11'), SR-CS-02 (11'), SR-CS-03 (11'), SR-CS-04 (11'), SR-CS-17 (11'), and SR-OWS (10') for the analyte TPH as Diesel were affected by the analyte concentrations already present in the un-spiked sample.

Project Name : **EARTHGRAINS SOURCE AREA REMOVAL PROJECT**

Project Number : **624-0908-0043-J0004**

Sample : **SR-CS-01 (11')**

Matrix : Soil

Lab Number : 75054-01

Sample Date :10/20/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/10 12:18
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/10 12:18
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/10 12:18
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/10 12:18
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/10 12:18
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	10/22/10 12:18
Toluene - d8 (Surr)	99.9		% Recovery	EPA 8260B	10/22/10 12:18
4-Bromofluorobenzene (Surr)	92.8		% Recovery	EPA 8260B	10/22/10 12:18
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	10/26/10 11:56
Octacosane (Diesel Surrogate)	82.0		% Recovery	M EPA 8015	10/26/10 11:56

Sample : **SR-CS-02 (11')**

Matrix : Soil

Lab Number : 75054-02

Sample Date :10/19/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/10 11:40
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/10 11:40
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/10 11:40
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/10 11:40
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/10 11:40
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	10/22/10 11:40
Toluene - d8 (Surr)	98.2		% Recovery	EPA 8260B	10/22/10 11:40
4-Bromofluorobenzene (Surr)	89.3		% Recovery	EPA 8260B	10/22/10 11:40
TPH as Diesel	60	20	mg/Kg	M EPA 8015	10/25/10 17:47
Octacosane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	10/25/10 17:47

Project Name : **EARTHGRAINS SOURCE AREA REMOVAL PROJECT**

Project Number : **624-0908-0043-J0004**

Sample : **SR-CS-03 (11')**

Matrix : Soil

Lab Number : 75054-03

Sample Date :10/19/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/10 12:55
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/10 12:55
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/10 12:55
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/10 12:55
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/10 12:55
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	10/22/10 12:55
Toluene - d8 (Surr)	99.7		% Recovery	EPA 8260B	10/22/10 12:55
4-Bromofluorobenzene (Surr)	95.2		% Recovery	EPA 8260B	10/22/10 12:55
TPH as Diesel	50	1.0	mg/Kg	M EPA 8015	10/25/10 13:54
Octacosane (Diesel Surrogate)	97.1		% Recovery	M EPA 8015	10/25/10 13:54

Sample : **SR-CS-04 (11')**

Matrix : Soil

Lab Number : 75054-04

Sample Date :10/19/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/10 14:14
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/10 14:14
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/10 14:14
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/10 14:14
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/10 14:14
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	10/22/10 14:14
Toluene - d8 (Surr)	99.2		% Recovery	EPA 8260B	10/22/10 14:14
4-Bromofluorobenzene (Surr)	95.6		% Recovery	EPA 8260B	10/22/10 14:14
TPH as Diesel	150	1.0	mg/Kg	M EPA 8015	10/25/10 11:57
Octacosane (Diesel Surrogate)	88.2		% Recovery	M EPA 8015	10/25/10 11:57

Project Name : **EARTHGRAINS SOURCE AREA REMOVAL PROJECT**

Project Number : **624-0908-0043-J0004**

Sample : **SR-CS-17 (11')**

Matrix : Soil

Lab Number : 75054-05

Sample Date :10/20/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/10 14:54
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/10 14:54
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/10 14:54
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/10 14:54
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/10 14:54
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	10/22/10 14:54
Toluene - d8 (Surr)	99.5		% Recovery	EPA 8260B	10/22/10 14:54
4-Bromofluorobenzene (Surr)	96.6		% Recovery	EPA 8260B	10/22/10 14:54
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	10/25/10 13:02
Octacosane (Diesel Surrogate)	84.2		% Recovery	M EPA 8015	10/25/10 13:02

Sample : **SR-OWS (10')**

Matrix : Soil

Lab Number : 75054-06

Sample Date :10/19/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/10 15:28
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/10 15:28
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/10 15:28
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/22/10 15:28
Naphthalene	0.016	0.0050	mg/Kg	EPA 8260B	10/22/10 15:28
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	10/22/10 15:28
Toluene - d8 (Surr)	98.8		% Recovery	EPA 8260B	10/22/10 15:28
4-Bromofluorobenzene (Surr)	92.4		% Recovery	EPA 8260B	10/22/10 15:28
TPH as Diesel	1800	10	mg/Kg	M EPA 8015	10/25/10 16:37
Octacosane (Diesel Surrogate)	76.0		% Recovery	M EPA 8015	10/25/10 16:37

QC Report : Method Blank Data

Project Name : **EARTHGRAINS SOURCE AREA REMOVAL PROJECT**

Project Number : **624-0908-0043-J0004**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	10/25/2010
Octacosane (Diesel Surrogate)	70.0		%	M EPA 8015	10/25/2010
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/2010
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/2010
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/2010
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/2010
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/21/2010
1,2-Dichloroethane-d4 (Surr)	102		%	EPA 8260B	10/21/2010
4-Bromofluorobenzene (Surr)	93.6		%	EPA 8260B	10/21/2010
Toluene - d8 (Surr)	99.1		%	EPA 8260B	10/21/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
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QC Report : Matrix Spike/ Matrix Spike DuplicateProject Name : **EARTHGRAINS SOURCE AREA REMOVAL PROJECT**Project Number : **624-0908-0043-J0004**

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.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel	75054-04	150	19.7	19.6	271	370	mg/Kg	M EPA 8015	10/25/10	620	1130	58.3	60-140	25
Benzene	75008-01	<0.0050	0.0381	0.0391	0.0405	0.0419	mg/Kg	EPA 8260B	10/22/10	106	107	0.804	67.9-120	25
Ethylbenzene	75008-01	<0.0050	0.0381	0.0391	0.0411	0.0428	mg/Kg	EPA 8260B	10/22/10	108	109	1.33	65.5-127	25
Naphthalene	75008-01	<0.0050	0.0381	0.0391	0.0418	0.0390	mg/Kg	EPA 8260B	10/22/10	110	99.7	9.56	70.0-130	25
P + M Xylene	75008-01	<0.0050	0.0381	0.0391	0.0395	0.0410	mg/Kg	EPA 8260B	10/22/10	104	105	1.09	62.5-124	25
Toluene	75008-01	<0.0050	0.0381	0.0391	0.0396	0.0410	mg/Kg	EPA 8260B	10/22/10	104	105	0.824	65.7-120	25

QC Report : Laboratory Control Sample (LCS)Project Name : **EARTHGRAINS SOURCE AREA REMOVAL PROJECT**Project Number : **624-0908-0043-J0004**

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	10/25/10	82.6	70-130
Benzene	0.0382	mg/Kg	EPA 8260B	10/21/10	103	67.9-120
Ethylbenzene	0.0382	mg/Kg	EPA 8260B	10/21/10	105	65.5-127
Naphthalene	0.0382	mg/Kg	EPA 8260B	10/21/10	104	70.0-130
P + M Xylene	0.0382	mg/Kg	EPA 8260B	10/21/10	102	62.5-124
Toluene	0.0382	mg/Kg	EPA 8260B	10/21/10	101	65.7-120

Project Contact (Hardcopy or PDF To): JOHN CARROW
 Company / Address: PSC / 210 WEST SAND BANK RD COLUMBIA, IL 62236
 Phone Number: 618-792-2468
 Fax Number: ---
 Project #: 624-0908-0043-J0008 P.O. #: ---
 Project Name: EARTHLEAKING SOURCE AREA REMOVAL PROJECT
 California EDF Report? Yes No
 Sampling Company Log Code:
 Global ID:
 EDF Deliverable To (Email Address): JCARROW@PSC.NW.COM
 Bill to: PSC 210 WEST SAND BANK RD COLUMBIA, IL 62236
 Sampler Print Name: SCOT JANDER
 Sampler Signature: Scott Jander

Chain-of-Custody Record and Analysis Request

Analysis Request

Sample Designation	Date	Time	Container				Preservative			Matrix		MTBE @ 0.5 ppb (EPA 8260B)	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (MTBE, DIPE, ETBE, TAME, TBA) (EPA 8260B)	7 Oxygenates (5 oxy + EIOH, MeOH) (EPA 8260B)	Lead Scav. (1,2 DCA & 1,2 EDB) (EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	CAMEL 17 Metals (EPA 200.7 / 6010)	5 Waste Oil Metals (Cd,Cr,Ni,Pb,Zn) (EPA 200.7 / 6010)	Mercury (EPA 245.1 / 7470 / 7471)	Total Lead (EPA 200.7 / 6010)	W.E.T. Lead (STLC)	NAPHTHALENE	CIRCLE METHOD	TAT	For Lab Use Only			
			40 ml VOA	Sleeve	Poly	Glass	Tedlar	HCl	HNO ₃	None	Water																					Soil	Asphalt	12 hr
SR-CS-01 (11')	10/20/10	11:00	✓	✓								✓	✓								✓	✓												01
SR-CS-02 (11')	10/19/10	11:55	✓	✓								✓	✓								✓	✓												02
SR-CS-03 (11')	10/19/10	13:50	✓	✓								✓	✓								✓	✓												03
SR-CS-04 (11')	10/19/10	14:05	✓	✓								✓	✓								✓	✓												04
SR-CS-17 (11')	10/20/10	13:35	✓	✓								✓	✓								✓	✓												05
SR-OWS (10')	10/19/10	11:20	✓	✓								✓	✓								✓	✓												06

Relinquished by: Scott Jander Date: 10-21-10 Time: --- Received by: ---
 Relinquished by: --- Date: --- Time: --- Received by: ---
 Relinquished by: --- Date: 10/21/10 Time: 15:10 Received by Laboratory: KIFF Analytical

Remarks:

SAMPLE RECEIPT CHECKLIST

RECEIVER
RLM
Initials

SRG#: 75054 Date: 102110
Project ID: Earthgrains Source Area Removal Project
Method of Receipt: Courier Over-the-counter Shipper

COC Inspection

Is COC present? Yes No
Custody seals on shipping container? Intact Broken Not present N/A
Is COC Signed by Relinquisher? Yes No Dated? Yes No
Is sampler name legibly indicated on COC? Yes No
Is analysis or hold requested for all samples? Yes No
Is the turnaround time indicated on COC? Yes No
Is COC free of whiteout and uninitialed cross-outs? Yes No, Whiteout No, Cross-outs

Sample Inspection

Coolant Present: Yes No (includes water)
Temperature °C 1.4 Therm. ID# IR-5 Initial RLM Date/Time 102110/1710 N/A
Are there custody seals on sample containers? Intact Broken Not present
Do containers match COC? Yes No No, COC lists absent sample(s) No, Extra sample(s) present
Are there samples matrices other than soil, water, air or carbon? RLM Yes No
Are any sample containers broken, leaking or damaged? Yes No
Are preservatives indicated? Yes, on sample containers Yes, on COC Not indicated N/A
Are preservatives correct for analyses requested? Yes No N/A
Are samples within holding time for analyses requested? Yes No
Are the correct sample containers used for the analyses requested? Yes No
Is there sufficient sample to perform testing? Yes No
Does any sample contain product, have strong odor or are otherwise suspected to be hot? Yes No

Receipt Details

Matrix SO Container type Sleeve # of containers received 6
Matrix _____ Container type _____ # of containers received _____
Matrix _____ Container type DA 102110 # of containers received _____
Date and Time Sample Put into Temp Storage Date: 10/2/10 Time: 1716

Quicklog

Are the Sample ID's indicated: On COC On sample container(s) On Both Not indicated
If Sample ID's are listed on both COC and containers, do they all match? Yes No N/A
Is the Project ID indicated: On COC On sample container(s) On Both Not indicated
If project ID is listed on both COC and containers, do they all match? Yes No N/A
Are the sample collection dates indicated: On COC On sample container(s) On Both Not indicated
If collection dates are listed on both COC and containers, do they all match? Yes No N/A
Are the sample collection times indicated: On COC On sample container(s) On Both Not indicated
If collection times are listed on both COC and containers, do they all match? Yes No N/A

COMMENTS: Sample 75054-05-01 has conflicting sample times, the COC states 13:35 and the sample says 13:50, logged in as per the COC.



Laboratory Results

John Carrow
Philip Services Corp
210 W Sand Bank Road
Columbia, IL 62236

Subject : 4 Soil Samples
Project Name : EARTHGRAINS SOURCE AREA REMOVAL PROJECT
Project Number : 624-0908-0043-J0008
P.O. Number : 10000120211

Dear Mr. Carrow,

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. Testing procedures comply with the 2003 NELAC standard. All soil samples are reported on a total weight (wet weight) basis unless noted otherwise in the case narrative. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC. Kiff Analytical, LLC is certified by the State of California under the National Environmental Laboratory Accreditation Program (NELAP), lab # 08263CA. If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,



Joel Kiff

Project Name : **EARTHGRAINS SOURCE AREA REMOVAL PROJECT**

Project Number : **624-0908-0043-J0008**

Sample : **SR-CS-08(15')**

Matrix : Soil

Lab Number : 75157-01

Sample Date :10/27/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/29/10 21:24
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/29/10 21:24
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/29/10 21:24
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/29/10 21:24
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/29/10 21:24
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	10/29/10 21:24
Toluene - d8 (Surr)	99.4		% Recovery	EPA 8260B	10/29/10 21:24
4-Bromofluorobenzene (Surr)	99.7		% Recovery	EPA 8260B	10/29/10 21:24
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	11/01/10 12:59
Octacosane (Diesel Surrogate)	100		% Recovery	M EPA 8015	11/01/10 12:59

Sample : **SR-CS-07(15')**

Matrix : Soil

Lab Number : 75157-02

Sample Date :10/27/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/30/10 01:28
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/30/10 01:28
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/30/10 01:28
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/30/10 01:28
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/30/10 01:28
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	10/30/10 01:28
Toluene - d8 (Surr)	98.8		% Recovery	EPA 8260B	10/30/10 01:28
4-Bromofluorobenzene (Surr)	98.6		% Recovery	EPA 8260B	10/30/10 01:28
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	11/01/10 14:45
Octacosane (Diesel Surrogate)	105		% Recovery	M EPA 8015	11/01/10 14:45

Project Name : **EARTHGRAINS SOURCE AREA REMOVAL PROJECT**

Project Number : **624-0908-0043-J0008**

Sample : **SR-CS-06(15')**

Matrix : Soil

Lab Number : 75157-03

Sample Date :10/27/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/30/10 00:19
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/30/10 00:19
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/30/10 00:19
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/30/10 00:19
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/30/10 00:19
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	10/30/10 00:19
Toluene - d8 (Surr)	99.6		% Recovery	EPA 8260B	10/30/10 00:19
4-Bromofluorobenzene (Surr)	102		% Recovery	EPA 8260B	10/30/10 00:19
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	11/01/10 15:20
Octacosane (Diesel Surrogate)	105		% Recovery	M EPA 8015	11/01/10 15:20

Sample : **SR-CS-05(15')**

Matrix : Soil

Lab Number : 75157-04

Sample Date :10/27/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/30/10 00:54
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/30/10 00:54
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/30/10 00:54
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/30/10 00:54
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/30/10 00:54
1,2-Dichloroethane-d4 (Surr)	103		% Recovery	EPA 8260B	10/30/10 00:54
Toluene - d8 (Surr)	98.9		% Recovery	EPA 8260B	10/30/10 00:54
4-Bromofluorobenzene (Surr)	101		% Recovery	EPA 8260B	10/30/10 00:54
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	11/01/10 15:55
Octacosane (Diesel Surrogate)	110		% Recovery	M EPA 8015	11/01/10 15:55

QC Report : Method Blank Data

Project Name : **EARTHGRAINS SOURCE AREA REMOVAL PROJECT**

Project Number : **624-0908-0043-J0008**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	11/01/2010
Octacosane (Diesel Surrogate)	94.5		%	M EPA 8015	11/01/2010
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/29/2010
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/29/2010
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/29/2010
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/29/2010
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/29/2010
1,2-Dichloroethane-d4 (Surr)	103		%	EPA 8260B	10/29/2010
4-Bromofluorobenzene (Surr)	97.4		%	EPA 8260B	10/29/2010
Toluene - d8 (Surr)	100		%	EPA 8260B	10/29/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
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QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **EARTHGRAINS SOURCE AREA REMOVAL PROJECT**Project Number : **624-0908-0043-J0008**

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.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel	75157-01	<1.0	19.5	19.0	18.3	18.8	mg/Kg	M EPA 8015	11/1/10	93.9	98.9	5.15	60-140	25
Benzene	75157-01	<0.0050	0.0400	0.0396	0.0355	0.0352	mg/Kg	EPA 8260B	10/29/10	88.9	88.8	0.0195	67.9-120	25
Ethylbenzene	75157-01	<0.0050	0.0400	0.0396	0.0362	0.0359	mg/Kg	EPA 8260B	10/29/10	90.6	90.7	0.116	65.5-127	25
Naphthalene	75157-01	<0.0050	0.0400	0.0396	0.0325	0.0337	mg/Kg	EPA 8260B	10/29/10	81.3	85.1	4.55	70.0-130	25
P + M Xylene	75157-01	<0.0050	0.0400	0.0396	0.0352	0.0351	mg/Kg	EPA 8260B	10/29/10	88.1	88.6	0.497	62.5-124	25
Toluene	75157-01	<0.0050	0.0400	0.0396	0.0357	0.0355	mg/Kg	EPA 8260B	10/29/10	89.2	89.6	0.479	65.7-120	25

QC Report : Laboratory Control Sample (LCS)Project Name : **EARTHGRAINS SOURCE AREA REMOVAL PROJECT**Project Number : **624-0908-0043-J0008**

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	11/1/10	90.7	70-130
Benzene	0.0397	mg/Kg	EPA 8260B	10/29/10	88.5	67.9-120
Ethylbenzene	0.0397	mg/Kg	EPA 8260B	10/29/10	90.7	65.5-127
Naphthalene	0.0397	mg/Kg	EPA 8260B	10/29/10	94.8	70.0-130
P + M Xylene	0.0397	mg/Kg	EPA 8260B	10/29/10	88.2	62.5-124
Toluene	0.0397	mg/Kg	EPA 8260B	10/29/10	89.3	65.7-120

Project Contact (Hardcopy or PDF To): JOHN CARROW California EDF Report? Yes No

Company / Address: 10 W. SAND BANK RD, PSC / COLUMBIA, IL 62236 Sampling Company Log Code: PSCI

Phone Number: 618.792.2468 Global ID: T0600177342

Fax Number: — EDF Deliverable To (Email Address): JCARROW@PSCENV.COM

Project #: 624-0908-0043-J0008 P.O. #: —
 Project Name: EARTH RAMPS SOURCE AREA REMOVAL PROJECT
 Billing Address: PSC 20 WEST SAND BANK RD, COLUMBIA, IL 62236
 Sampler Print Name: SEIT JANDER
 Sampler Signature: *Seit Jander*

Project Address: 955 KENNEDY ST, OAKLAND, CA 94606

Sample Designation	Date	Time	Container				Preservative			Matrix		
			40 ml VOA	Sleeve	Poly	Glass	Tedlar	HCl	HNO ₃	None	Water	Soil
SR-05-08 (15')	10/27	09:25	✓	✓					✓	✓		
SR-05-01 (15')	10/27	10:40	✓	✓					✓	✓		
SR-05-06 (15')	10/27	12:05	✓	✓					✓	✓		
SR-05-05 (15')	10/27	13:15	✓	✓					✓	✓		

Chain-of-Custody Record and Analysis Request

Analysis Request												TAT	For Lab Use Only								
MTBE @ 0.5 ppb (EPA 8260B)	BTEX (EPA 8260B)	TPH Gas (EPA 8260B)	5 Oxygenates (MTBE, DIPE, ETBE, TAME, TBA) (EPA 8260B)	7 Oxygenates (5 oxy + EtOH, MeOH) (EPA 8260B)	Lead Scav. (1,2 DCA & 1,2 EDB) (EPA 8260B)	Volatile Halocarbons (EPA 8260B)	Volatile Organics Full List (EPA 8260B)	Volatile Organics (EPA 524.2 Drinking Water)	TPH as Diesel (EPA 8015M)	TPH as Motor Oil (EPA 8015M)	CAM 17 Metals (EPA 200.7 / 6010)	5 Waste Oil Metals (Cd,Cr,Ni,Pb,Zn) (EPA 200.7 / 6010)		Mercury (EPA 245.1 / 7470 / 7471)	Total Lead (EPA 200.7 / 6010)	W.E.T. Lead (STLC)	WATER/AIR/LEAD	12 hr	24 hr	48 hr	72 hr
✓	✓	✓							✓	✓						✓	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Relinquished by: *Seit Jander* Date: 10.29.10 Time: 11:10

Relinquished by: _____ Date: _____ Time: _____

Relinquished by: _____ Date: 10/29/10 Time: 1110 Received by Laboratory: *Rozmarie Kiff Analytical*

Remarks:

SAMPLE RECEIPT CHECKLIST

RECEIVER
RUM
Initials

SRG#: 75157 Date: 102910
Project ID: Earthgrains Source Area Removal Project
Method of Receipt: Courier Over-the-counter Shipper

COC Inspection

- Is COC present? Yes No
- Custody seals on shipping container? Intact Broken Not present N/A
- Is COC Signed by Relinquisher? Yes No Dated? Yes No
- Is sampler name legibly indicated on COC? Yes No
- Is analysis or hold requested for all samples? Yes No
- Is the turnaround time indicated on COC? Yes No
- Is COC free of whiteout and uninitialed cross-outs? Yes No, Whiteout No, Cross-outs

Sample Inspection

- Coolant Present: Yes No (includes water)
 - Temperature °C 2.4 Therm. ID# 12-5 Initial RUM Date/Time 102910/1512 N/A
 - Are there custody seals on sample containers? Intact Broken Not present
 - Do containers match COC? Yes No No, COC lists absent sample(s) No, Extra sample(s) present
 - Are there samples matrices other than soil, water, air or carbon? Yes No
 - Are any sample containers broken, leaking or damaged? Yes No
 - Are preservatives indicated? Yes, on sample containers Yes, on COC Not indicated N/A
 - Are preservatives correct for analyses requested? Yes No N/A
 - Are samples within holding time for analyses requested? Yes No
 - Are the correct sample containers used for the analyses requested? Yes No
 - Is there sufficient sample to perform testing? Yes No
 - Does any sample contain product, have strong odor or are otherwise suspected to be hot? Yes No
- Receipt Details
- | | | |
|------------------|------------------------------|-----------------------------------|
| Matrix <u>SO</u> | Container type <u>Sleeve</u> | # of containers received <u>4</u> |
| Matrix _____ | Container type _____ | # of containers received _____ |
| Matrix _____ | Container type _____ | # of containers received _____ |
- Date and Time Sample Put into Temp Storage Date: 102910 Time: 1515

Quicklog

- Are the Sample ID's indicated: On COC On sample container(s) On Both Not indicated
- If Sample ID's are listed on both COC and containers, do they all match? Yes No N/A
- Is the Project ID indicated: On COC On sample container(s) On Both Not indicated
- If project ID is listed on both COC and containers, do they all match? Yes No N/A
- Are the sample collection dates indicated: On COC On sample container(s) On Both Not indicated
- If collection dates are listed on both COC and containers, do they all match? Yes No N/A
- Are the sample collection times indicated: On COC On sample container(s) On Both Not indicated
- If collection times are listed on both COC and containers, do they all match? Yes No N/A

COMMENTS:



Laboratory Results

John Carrow
Philip Services Corp
210 W Sand Bank Road
Columbia, IL 62236

Subject : 10 Soil Samples
Project Name : EARTHGRAINS SOURCE AREA REMOVAL PROJECT
Project Number : 624-0908-0043-J0008
P.O. Number : 10000119642

Dear Mr. Carrow,

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. Testing procedures comply with the 2003 NELAC standard. All soil samples are reported on a total weight (wet weight) basis unless noted otherwise in the case narrative. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC. Kiff Analytical, LLC is certified by the State of California under the National Environmental Laboratory Accreditation Program (NELAP), lab # 08263CA. If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,



Joel Kiff

Subject : 10 Soil Samples
Project Name : EARTHGRAINS SOURCE AREA REMOVAL PROJECT
Project Number : 624-0908-0043-J0008
P.O. Number : 10000119642

Case Narrative

Matrix Spike/Matrix Spike Duplicate results associated with samples SR-PI(8'), SR-PI(16'), SR-CS-14 (16'), SR-CS-15 (16'), SR-CS-16 (16'), SR-CS-11 (16'), SR-CS-12 (16'), SR-CS-13 (16'), SR-CS-10 (16'), and SR-CS-09 (16') for the analyte TPH as Diesel were outside of control limits. This may indicate a bias for the sample that was spiked. Since the LCS recoveries were within control limits, no data are flagged.

Project Name : **EARTHGRAINS SOURCE AREA REMOVAL PROJECT**

Project Number : **624-0908-0043-J0008**

Sample : **SR-PI(8')**

Matrix : Soil

Lab Number : 75111-01

Sample Date :10/22/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.025	0.025	mg/Kg	EPA 8260B	10/28/10 00:40
Toluene	< 0.025	0.025	mg/Kg	EPA 8260B	10/28/10 00:40
Ethylbenzene	< 0.025	0.025	mg/Kg	EPA 8260B	10/28/10 00:40
Total Xylenes	< 0.025	0.025	mg/Kg	EPA 8260B	10/28/10 00:40
Naphthalene	0.68	0.025	mg/Kg	EPA 8260B	10/28/10 00:40
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	10/28/10 00:40
Toluene - d8 (Surr)	98.9		% Recovery	EPA 8260B	10/28/10 00:40
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	10/28/10 00:40
2-Bromochlorobenzene (Surr)	95.3		% Recovery	EPA 8260B	10/28/10 00:40
TPH as Diesel	12000	20	mg/Kg	M EPA 8015	10/29/10 09:58
Octacosane (Diesel Surrogate)	Diluted Out		% Recovery	M EPA 8015	10/29/10 09:58

Project Name : **EARTHGRAINS SOURCE AREA REMOVAL PROJECT**

Project Number : **624-0908-0043-J0008**

Sample : **SR-PI(16')**

Matrix : Soil

Lab Number : 75111-02

Sample Date :10/22/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/28/10 01:14
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/28/10 01:14
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/28/10 01:14
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/28/10 01:14
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/28/10 01:14
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	10/28/10 01:14
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	10/28/10 01:14
4-Bromofluorobenzene (Surr)	100		% Recovery	EPA 8260B	10/28/10 01:14
TPH as Diesel	33	1.0	mg/Kg	M EPA 8015	10/28/10 16:02
Octacosane (Diesel Surrogate)	71.5		% Recovery	M EPA 8015	10/28/10 16:02

Project Name : **EARTHGRAINS SOURCE AREA REMOVAL PROJECT**

Project Number : **624-0908-0043-J0008**

Sample : **SR-CS-14 (16')**

Matrix : Soil

Lab Number : 75111-03

Sample Date :10/22/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/28/10 01:48
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/28/10 01:48
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/28/10 01:48
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/28/10 01:48
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/28/10 01:48
1,2-Dichloroethane-d4 (Surr)	105		% Recovery	EPA 8260B	10/28/10 01:48
Toluene - d8 (Surr)	99.6		% Recovery	EPA 8260B	10/28/10 01:48
4-Bromofluorobenzene (Surr)	98.1		% Recovery	EPA 8260B	10/28/10 01:48
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	10/28/10 17:37
Octacosane (Diesel Surrogate)	94.6		% Recovery	M EPA 8015	10/28/10 17:37

Project Name : **EARTHGRAINS SOURCE AREA REMOVAL PROJECT**

Project Number : **624-0908-0043-J0008**

Sample : **SR-CS-15 (16')**

Matrix : Soil

Lab Number : 75111-04

Sample Date :10/22/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/10 20:03
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/10 20:03
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/10 20:03
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/10 20:03
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/10 20:03
1,2-Dichloroethane-d4 (Surr)	100		% Recovery	EPA 8260B	10/27/10 20:03
Toluene - d8 (Surr)	99.2		% Recovery	EPA 8260B	10/27/10 20:03
4-Bromofluorobenzene (Surr)	97.2		% Recovery	EPA 8260B	10/27/10 20:03
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	10/28/10 16:39
Octacosane (Diesel Surrogate)	100		% Recovery	M EPA 8015	10/28/10 16:39

Project Name : **EARTHGRAINS SOURCE AREA REMOVAL PROJECT**

Project Number : **624-0908-0043-J0008**

Sample : **SR-CS-16 (16')**

Matrix : Soil

Lab Number : 75111-05

Sample Date :10/22/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/10 20:39
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/10 20:39
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/10 20:39
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/10 20:39
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/10 20:39
1,2-Dichloroethane-d4 (Surr)	106		% Recovery	EPA 8260B	10/27/10 20:39
Toluene - d8 (Surr)	99.4		% Recovery	EPA 8260B	10/27/10 20:39
4-Bromofluorobenzene (Surr)	96.3		% Recovery	EPA 8260B	10/27/10 20:39
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	10/28/10 17:08
Octacosane (Diesel Surrogate)	101		% Recovery	M EPA 8015	10/28/10 17:08

Project Name : **EARTHGRAINS SOURCE AREA REMOVAL PROJECT**

Project Number : **624-0908-0043-J0008**

Sample : **SR-CS-11 (16')**

Matrix : Soil

Lab Number : 75111-06

Sample Date :10/25/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/10 21:14
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/10 21:14
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/10 21:14
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/10 21:14
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/10 21:14
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	10/27/10 21:14
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	10/27/10 21:14
4-Bromofluorobenzene (Surr)	97.4		% Recovery	EPA 8260B	10/27/10 21:14
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	10/28/10 18:07
Octacosane (Diesel Surrogate)	81.5		% Recovery	M EPA 8015	10/28/10 18:07

Project Name : **EARTHGRAINS SOURCE AREA REMOVAL PROJECT**

Project Number : **624-0908-0043-J0008**

Sample : **SR-CS-12 (16')**

Matrix : Soil

Lab Number : 75111-07

Sample Date :10/25/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/10 21:48
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/10 21:48
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/10 21:48
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/10 21:48
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/10 21:48
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	10/27/10 21:48
Toluene - d8 (Surr)	99.6		% Recovery	EPA 8260B	10/27/10 21:48
4-Bromofluorobenzene (Surr)	96.1		% Recovery	EPA 8260B	10/27/10 21:48
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	10/28/10 16:10
Octacosane (Diesel Surrogate)	87.0		% Recovery	M EPA 8015	10/28/10 16:10

Project Name : **EARTHGRAINS SOURCE AREA REMOVAL PROJECT**

Project Number : **624-0908-0043-J0008**

Sample : **SR-CS-13 (16')**

Matrix : Soil

Lab Number : 75111-08

Sample Date :10/25/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/10 22:22
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/10 22:22
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/10 22:22
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/10 22:22
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/10 22:22
1,2-Dichloroethane-d4 (Surr)	105		% Recovery	EPA 8260B	10/27/10 22:22
Toluene - d8 (Surr)	99.0		% Recovery	EPA 8260B	10/27/10 22:22
4-Bromofluorobenzene (Surr)	95.4		% Recovery	EPA 8260B	10/27/10 22:22
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	10/29/10 13:37
Octacosane (Diesel Surrogate)	71.0		% Recovery	M EPA 8015	10/29/10 13:37

Project Name : **EARTHGRAINS SOURCE AREA REMOVAL PROJECT**

Project Number : **624-0908-0043-J0008**

Sample : **SR-CS-10 (16')**

Matrix : Soil

Lab Number : 75111-09

Sample Date :10/26/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/10 23:01
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/10 23:01
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/10 23:01
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/10 23:01
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/10 23:01
1,2-Dichloroethane-d4 (Surr)	106		% Recovery	EPA 8260B	10/27/10 23:01
Toluene - d8 (Surr)	99.0		% Recovery	EPA 8260B	10/27/10 23:01
4-Bromofluorobenzene (Surr)	96.0		% Recovery	EPA 8260B	10/27/10 23:01
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	10/28/10 15:40
Octacosane (Diesel Surrogate)	85.9		% Recovery	M EPA 8015	10/28/10 15:40

Project Name : **EARTHGRAINS SOURCE AREA REMOVAL PROJECT**

Project Number : **624-0908-0043-J0008**

Sample : **SR-CS-09 (16')**

Matrix : Soil

Lab Number : 75111-10

Sample Date :10/26/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/10 23:38
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/10 23:38
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/10 23:38
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/10 23:38
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/10 23:38
1,2-Dichloroethane-d4 (Surr)	104		% Recovery	EPA 8260B	10/27/10 23:38
Toluene - d8 (Surr)	98.7		% Recovery	EPA 8260B	10/27/10 23:38
4-Bromofluorobenzene (Surr)	95.2		% Recovery	EPA 8260B	10/27/10 23:38
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	10/28/10 14:51
Octacosane (Diesel Surrogate)	72.8		% Recovery	M EPA 8015	10/28/10 14:51

QC Report : Method Blank Data

Project Name : **EARTHGRAINS SOURCE AREA REMOVAL PROJECT**

Project Number : **624-0908-0043-J0008**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 1.0	1.0	mg/Kg	M EPA 8015	10/28/2010
Octacosane (Diesel Surrogate)	78.0		%	M EPA 8015	10/28/2010
Benzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/2010
Ethylbenzene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/2010
Toluene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/2010
Total Xylenes	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/2010
Naphthalene	< 0.0050	0.0050	mg/Kg	EPA 8260B	10/27/2010
1,2-Dichloroethane-d4 (Surr)	104		%	EPA 8260B	10/27/2010
4-Bromofluorobenzene (Surr)	98.9		%	EPA 8260B	10/27/2010
Toluene - d8 (Surr)	99.2		%	EPA 8260B	10/27/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
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QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **EARTHGRAINS SOURCE AREA REMOVAL PROJECT**

Project Number : **624-0908-0043-J0008**

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.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel	75107-01	4.8	20.0	20.0	36.2	30.4	mg/Kg	M EPA 8015	10/28/10	157	128	20.5	60-140	25
Benzene	75106-01	<0.0050	0.0400	0.0395	0.0367	0.0374	mg/Kg	EPA 8260B	10/27/10	91.7	94.7	3.16	67.9-120	25
Ethylbenzene	75106-01	<0.0050	0.0400	0.0395	0.0367	0.0374	mg/Kg	EPA 8260B	10/27/10	91.8	94.7	3.12	65.5-127	25
Naphthalene	75106-01	<0.0050	0.0400	0.0395	0.0400	0.0380	mg/Kg	EPA 8260B	10/27/10	99.9	96.2	3.73	70.0-130	25
P + M Xylene	75106-01	<0.0050	0.0400	0.0395	0.0363	0.0371	mg/Kg	EPA 8260B	10/27/10	90.7	93.9	3.53	62.5-124	25
Toluene	75106-01	<0.0050	0.0400	0.0395	0.0371	0.0375	mg/Kg	EPA 8260B	10/27/10	92.9	94.9	2.22	65.7-120	25

QC Report : Laboratory Control Sample (LCS)Project Name : **EARTHGRAINS SOURCE AREA REMOVAL PROJECT**Project Number : **624-0908-0043-J0008**

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	10/28/10	83.9	70-130
Benzene	0.0390	mg/Kg	EPA 8260B	10/27/10	91.5	67.9-120
Ethylbenzene	0.0390	mg/Kg	EPA 8260B	10/27/10	92.4	65.5-127
Naphthalene	0.0390	mg/Kg	EPA 8260B	10/27/10	95.7	70.0-130
P + M Xylene	0.0390	mg/Kg	EPA 8260B	10/27/10	91.2	62.5-124
Toluene	0.0390	mg/Kg	EPA 8260B	10/27/10	92.1	65.7-120

Project Contact (Hardcopy or PDF To): **JOHN CARROW**

Company / Address: **PSC 210 W. SAND BANK RD COLUMBIA, IL 62236**

Phone Number: **618.792.2468**

Fax Number: **-**

Project #: **624-0908-0043-J0008** P.O. #: **-**

Project Name: **EARTHRAINS SOURCE AREA REMOVAL PROJECT**

California EDF Report? Yes No

Sampling Company Log Code: **PSCI**

Global ID: **T#0600177347**

EDF Deliverable To (Email Address): **jcarrow@pscnow.com**

Bill to: **PSC 210 WEST SAND BANK RD COLUMBIA, IL 62236**

Sampler Print Name: **SCOT JANDER**

Sampler Signature: *Scot Jander*

Chain-of-Custody Record and Analysis Request

Sample Designation	Sampling		Container				Preservative			Matrix			
	Date	Time	40 ml VOA	Sleeve	Poly	Glass	Tedlar	HCl	HNO ₃	None	Water	Soil	Air
SR-PI(8')	10/22/10	10:15		✓						✓			
SR-PI(16')	10/22/10	10:50		✓						✓			
SR-CS-14(16')	10/22/10	09:35		✓						✓			
SR-CS-15(16')	10/22/10	09:10		✓						✓			
SR-CS-16(16')	10/22/10	08:45		✓						✓			
SR-CS-11(16')	10/25/10	11:25		✓						✓			
SR-CS-12(16')	10/25/10	13:40		✓						✓			
SR-CS-13(16')	10/25/10	15:55		✓						✓			
SR-CS-10(16')	10/26/10	12:10		✓						✓			
SR-CS-09(16')	10/26/10	14:30		✓						✓			

Analysis Request										TAT	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12 hr
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	24 hr
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	48 hr
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	72 hr
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1 wk

For Lab Use Only

Relinquished by: *Scot Jander* Date: **10-22-10** Time: **12:20**

Relinquished by: _____ Date: _____ Time: _____

Relinquished by: _____ Date: **102710** Time: **1220**

Received by Laboratory: *[Signature]* Kiff Analytical

Remarks:

SAMPLE RECEIPT CHECKLIST

RECEIVER
LJR
Initials

SRG#: 75111 Date: 102710
Project ID: EARTHGRAINS SOURCE AREA REMOVAL PROJECT

Method of Receipt: Courier Over-the-counter Shipper

COC Inspection

Is COC present? Yes No

Custody seals on shipping container? Intact Broken Not present N/A

Is COC Signed by Relinquisher? Yes No Dated? Yes No

Is sampler name legibly indicated on COC? Yes No

Is analysis or hold requested for all samples Yes No

Is the turnaround time indicated on COC? Yes No

Is COC free of whiteout and uninitialed cross-outs? Yes No, Whiteout No, Cross-outs

LJR
102710

Sample Inspection

Coolant Present: 4.6 Yes No (includes water)

Temperature °C 4.6 Therm. ID# IR-5 Initial LJR Date/Time 102710/1417 N/A

Are there custody seals on sample containers? Intact Broken Not present

Do containers match COC? Yes No No, COC lists absent sample(s) No, Extra sample(s) present

Are there samples matrices other than soil, water, air or carbon? Yes No

Are any sample containers broken, leaking or damaged? Yes No

Are preservatives indicated? Yes, on sample containers Yes, on COC Not indicated N/A

Are preservatives correct for analyses requested? Yes No N/A

Are samples within holding time for analyses requested? Yes No

Are the correct sample containers used for the analyses requested? Yes No

Is there sufficient sample to perform testing? Yes No

Does any sample contain product, have strong odor or are otherwise suspected to be hot? Yes No

Receipt Details

Matrix SO Container type sleeve # of containers received 10

Matrix _____ Container type _____ # of containers received _____

Matrix _____ Container type _____ # of containers received _____

Date and Time Sample Put into Temp Storage Date: 102710 Time: 1419

Quicklog

Are the Sample ID's indicated: On COC On sample container(s) On Both Not indicated

If Sample ID's are listed on both COC and containers, do they all match? Yes No N/A

Is the Project ID indicated: On COC On sample container(s) On Both Not indicated

If project ID is listed on both COC and containers, do they all match? Yes No N/A

Are the sample collection dates indicated: On COC On sample container(s) On Both Not indicated

If collection dates are listed on both COC and containers, do they all match? Yes No N/A

Are the sample collection times indicated: On COC On sample container(s) On Both Not indicated

If collection times are listed on both COC and containers, do they all match? Yes No N/A

COMMENTS:

APPENDIX H

PRE AND POST SOURCE REMOVAL GROUNDWATER SAMPLE ANALYTICAL REPORTS



Report Number : 74315

Date : 09/07/2010

Laboratory Results

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

Subject : 7 Water Samples
Project Name : Earthgrains Baking Companies, Inc.
Project Number : 624-0908-0043-J0004
P.O. Number : 10000113453

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. Testing procedures comply with the 2003 NELAC standard. All soil samples are reported on a total weight (wet weight) basis unless noted otherwise in the case narrative. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC. Kiff Analytical, LLC is certified by the State of California under the National Environmental Laboratory Accreditation Program (NELAP), lab # 08263CA. If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

A handwritten signature in black ink, appearing to read "Jibel Kiff".

Jibel Kiff



Report Number : 74315
Date : 09/07/2010

Project Name : **Earthgrains Baking Companies, Inc.**
Project Number : **624-0908-0043-J0004**

Sample : **MW-101** Matrix : Water Lab Number : 74315-01
Sample Date :08/24/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	08/27/10 21:04
Toluene	< 0.50	0.50	ug/L	EPA 8260B	08/27/10 21:04
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	08/27/10 21:04
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	08/27/10 21:04
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	08/27/10 21:04
Toluene - d8 (Surr)	99.7		% Recovery	EPA 8260B	08/27/10 21:04
TPH as Diesel	110	50	ug/L	M EPA 8015	08/30/10 13:12
Octacosane (Diesel Surrogate)	99.5		% Recovery	M EPA 8015	08/30/10 13:12

Sample : **MW-102** Matrix : Water Lab Number : 74315-02
Sample Date :08/24/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	08/27/10 20:55
Toluene	< 0.50	0.50	ug/L	EPA 8260B	08/27/10 20:55
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	08/27/10 20:55
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	08/27/10 20:55
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	08/27/10 20:55
Toluene - d8 (Surr)	99.0		% Recovery	EPA 8260B	08/27/10 20:55
TPH as Diesel	89	50	ug/L	M EPA 8015	08/30/10 13:47
Octacosane (Diesel Surrogate)	95.9		% Recovery	M EPA 8015	08/30/10 13:47



Report Number : 74315
Date : 09/07/2010

Project Name : **Earthgrains Baking Companies, Inc.**
Project Number : **624-0908-0043-J0004**

Sample : **MW-103** Matrix : Water Lab Number : 74315-03
Sample Date :08/24/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	08/27/10 20:59
Toluene	< 0.50	0.50	ug/L	EPA 8260B	08/27/10 20:59
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	08/27/10 20:59
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	08/27/10 20:59
1,2-Dichloroethane-d4 (Surr)	99.0		% Recovery	EPA 8260B	08/27/10 20:59
Toluene - d8 (Surr)	98.9		% Recovery	EPA 8260B	08/27/10 20:59
TPH as Diesel	< 50	50	ug/L	M EPA 8015	08/30/10 12:39
Octacosane (Diesel Surrogate)	83.2		% Recovery	M EPA 8015	08/30/10 12:39

Sample : **MW-104** Matrix : Water Lab Number : 74315-04
Sample Date :08/24/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	08/28/10 03:11
Toluene	< 0.50	0.50	ug/L	EPA 8260B	08/28/10 03:11
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	08/28/10 03:11
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	08/28/10 03:11
1,2-Dichloroethane-d4 (Surr)	99.8		% Recovery	EPA 8260B	08/28/10 03:11
Toluene - d8 (Surr)	99.5		% Recovery	EPA 8260B	08/28/10 03:11
TPH as Diesel	100	50	ug/L	M EPA 8015	08/30/10 11:49
Octacosane (Diesel Surrogate)	97.8		% Recovery	M EPA 8015	08/30/10 11:49



Report Number : 74315
Date : 09/07/2010

Project Name : **Earthgrains Baking Companies, Inc.**
Project Number : **624-0908-0043-J0004**

Sample : **DUPLICATE** Matrix : Water Lab Number : 74315-05
Sample Date :08/24/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	08/28/10 03:42
Toluene	< 0.50	0.50	ug/L	EPA 8260B	08/28/10 03:42
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	08/28/10 03:42
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	08/28/10 03:42
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	08/28/10 03:42
Toluene - d8 (Surr)	99.4		% Recovery	EPA 8260B	08/28/10 03:42
TPH as Diesel	140	50	ug/L	M EPA 8015	08/30/10 12:24
Octacosane (Diesel Surrogate)	96.3		% Recovery	M EPA 8015	08/30/10 12:24

Sample : **TB** Matrix : Water Lab Number : 74315-06
Sample Date :08/24/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	08/27/10 23:00
Toluene	< 0.50	0.50	ug/L	EPA 8260B	08/27/10 23:00
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	08/27/10 23:00
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	08/27/10 23:00
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	08/27/10 23:00
Toluene - d8 (Surr)	97.7		% Recovery	EPA 8260B	08/27/10 23:00



Report Number : 74315

Date : 09/07/2010

Project Name : **Earthgrains Baking Companies, Inc.**

Project Number : **624-0908-0043-J0004**

Sample : **DW-1**

Matrix : Water

Lab Number : 74315-07

Sample Date :08/24/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	0.83	0.50	ug/L	EPA 8260B	08/28/10 04:14
Toluene	1.4	0.50	ug/L	EPA 8260B	08/28/10 04:14
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	08/28/10 04:14
Total Xylenes	1.0	0.50	ug/L	EPA 8260B	08/28/10 04:14
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	08/28/10 04:14
Toluene - d8 (Surr)	98.8		% Recovery	EPA 8260B	08/28/10 04:14
TPH as Diesel	970	50	ug/L	M EPA 8015	08/30/10 12:59
Octacosane (Diesel Surrogate)	95.1		% Recovery	M EPA 8015	08/30/10 12:59

QC Report : Method Blank Data

Project Name : **Earthgrains Baking Companies, Inc.**

Project Number : **624-0908-0043-J0004**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 50	50	ug/L	M EPA 8015	08/30/2010
Octacosane (Diesel Surrogate)	85.9		%	M EPA 8015	08/30/2010
Benzene	< 0.50	0.50	ug/L	EPA 8260B	08/27/2010
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	08/27/2010
Toluene	< 0.50	0.50	ug/L	EPA 8260B	08/27/2010
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	08/27/2010
1,2-Dichloroethane-d4 (Surr)	101		%	EPA 8260B	08/27/2010
Toluene - d8 (Surr)	99.5		%	EPA 8260B	08/27/2010
Benzene	< 0.50	0.50	ug/L	EPA 8260B	08/27/2010
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	08/27/2010
Toluene	< 0.50	0.50	ug/L	EPA 8260B	08/27/2010
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	08/27/2010
1,2-Dichloroethane-d4 (Surr)	102		%	EPA 8260B	08/27/2010
Toluene - d8 (Surr)	100		%	EPA 8260B	08/27/2010
Benzene	< 0.50	0.50	ug/L	EPA 8260B	08/27/2010
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	08/27/2010
Toluene	< 0.50	0.50	ug/L	EPA 8260B	08/27/2010
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	08/27/2010
1,2-Dichloroethane-d4 (Surr)	98.6		%	EPA 8260B	08/27/2010
Toluene - d8 (Surr)	98.8		%	EPA 8260B	08/27/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
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QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **Earthgrains Baking Companies, Inc.**Project Number : **624-0908-0043-J0004**

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.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel	BLANK	<50	1000	1000	1030	972	ug/L	M EPA 8015	8/30/10	103	97.2	5.78	70-130	25
Benzene	74315-02	<0.50	40.0	40.0	38.5	38.1	ug/L	EPA 8260B	8/27/10	96.4	95.2	1.21	80-120	25
Ethylbenzene	74315-02	<0.50	40.0	40.0	40.4	39.7	ug/L	EPA 8260B	8/27/10	101	99.3	1.58	80-120	25
P + M Xylene	74315-02	<0.50	40.0	40.0	39.2	39.1	ug/L	EPA 8260B	8/27/10	98.1	97.7	0.464	76.8-120	25
Toluene	74315-02	<0.50	40.0	40.0	38.7	38.2	ug/L	EPA 8260B	8/27/10	96.7	95.5	1.22	80-120	25
Benzene	74315-01	<0.50	40.0	40.0	38.7	38.2	ug/L	EPA 8260B	8/27/10	96.7	95.5	1.28	80-120	25
Ethylbenzene	74315-01	<0.50	40.0	40.0	39.6	39.5	ug/L	EPA 8260B	8/27/10	99.1	98.8	0.296	80-120	25
P + M Xylene	74315-01	<0.50	40.0	40.0	38.0	38.2	ug/L	EPA 8260B	8/27/10	95.0	95.4	0.409	76.8-120	25
Toluene	74315-01	<0.50	40.0	40.0	39.4	39.0	ug/L	EPA 8260B	8/27/10	98.6	97.6	0.969	80-120	25

QC Report : Matrix Spike/ Matrix Spike DuplicateProject Name : **Earthgrains Baking Companies, Inc.**Project Number : **624-0908-0043-J0004**

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.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene	74315-03	<0.50	40.0	40.0	39.3	38.8	ug/L	EPA 8260B	8/27/10	98.3	96.9	1.43	80-120	25
Ethylbenzene	74315-03	<0.50	40.0	40.0	39.2	39.2	ug/L	EPA 8260B	8/27/10	98.1	97.9	0.239	80-120	25
P + M Xylene	74315-03	<0.50	40.0	40.0	39.2	39.2	ug/L	EPA 8260B	8/27/10	98.1	97.9	0.276	76.8-120	25
Toluene	74315-03	<0.50	40.0	40.0	40.3	39.6	ug/L	EPA 8260B	8/27/10	101	99.0	1.87	80-120	25

QC Report : Laboratory Control Sample (LCS)Project Name : **Earthgrains Baking Companies, Inc.**Project Number : **624-0908-0043-J0004**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	8/27/10	95.6	80-120
Ethylbenzene	40.0	ug/L	EPA 8260B	8/27/10	101	80-120
P + M Xylene	40.0	ug/L	EPA 8260B	8/27/10	98.2	76.8-120
Toluene	40.0	ug/L	EPA 8260B	8/27/10	96.7	80-120
Benzene	40.0	ug/L	EPA 8260B	8/27/10	96.6	80-120
Ethylbenzene	40.0	ug/L	EPA 8260B	8/27/10	97.9	80-120
P + M Xylene	40.0	ug/L	EPA 8260B	8/27/10	93.8	76.8-120
Toluene	40.0	ug/L	EPA 8260B	8/27/10	98.3	80-120
Benzene	39.9	ug/L	EPA 8260B	8/27/10	96.4	80-120
Ethylbenzene	39.9	ug/L	EPA 8260B	8/27/10	95.9	80-120
P + M Xylene	39.9	ug/L	EPA 8260B	8/27/10	98.4	76.8-120
Toluene	39.9	ug/L	EPA 8260B	8/27/10	98.9	80-120

BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

74315

CONDUCT ANALYSIS TO DETECT

LAB: KIFF
 DHS #
 ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
 EPA
 LIA
 OTHER
 RWQCB REGION _____

CHAIN OF CUSTODY
 BTS # 100824-151

CLIENT
 PSC

SITE
 Earthgrains Baking Companies, Inc.
 955 Kennedy St.
 Oakland, CA

C = COMPOSITE ALL CONTAINERS

SAMPLE I.D.	DATE	TIME	MATRIX S= SOIL W=H ₂ O	CONTAINERS TOTAL	6 VOAS 2 AMBS	CONDUCT ANALYSIS TO DETECT			ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
						BTEX (8260 B)	TPH-D (8015 M)	PAHs (8310)				
MW-101	8-24-10	1210	W	8		X	X	X				01
MW-102		1230	W	7		X	X	X				02
MW-103		1140	W	7		X	X	X				03
MW-104		1155	W	7		X	X	X				04
DUPLICATE		1315	W	7		X	X	X				05
TB		900	W	2	VOAS	X						06
DW-1		1255	W	8	6 VOAS 2 AMBS	X	X	X				07

SAMPLING COMPLETED: 8-24-10 1315
 SAMPLING PERFORMED BY: F. SPILWOLTER
 RESULTS NEEDED NO LATER THAN: Standard TAT

RELEASED BY:	DATE: 8-24-10	TIME: 1500	RECEIVED BY:	DATE: 8-24-10	TIME: 1500
RELEASED BY:	DATE: 8/27/10	TIME: 1047	RECEIVED BY:	DATE: 8/27/10	TIME: 1047
RELEASED BY:	DATE: 8/27/10	TIME: 1047	RECEIVED BY:	DATE: 8/27/10	TIME: 1047

SHIPPED VIA: _____ DATE SENT: _____ TIME SENT: _____ COOLER #: _____

SAMPLE RECEIPT CHECKLIST

RECEIVER
gos
Initials

SRG#: 74315 Date: 082710

Project ID: Earthengrains Baking Companies, Inc.

Method of Receipt: Courier Over-the-counter Shipper

COC Inspection

Is COC present? Yes No
 Custody seals on shipping container? Intact Broken Not present N/A
 Is COC Signed by Relinquisher? Yes No Dated? Yes No
 Is sampler name legibly indicated on COC? Yes No
 Is analysis or hold requested for all samples Yes No
 Is the turnaround time indicated on COC? Yes No
 Is COC free of whiteout and uninitialed cross-outs? Yes No, Whiteout No, Cross-outs

Sample Inspection

Coolant Present: Yes No (includes water)
 Temperature °C 2-8 Therm. ID# IR-5 Initial gos Date/Time 082710 1520 N/A
 Are there custody seals on sample containers? Intact Broken Not present
 Do containers match COC? Yes No No, COC lists absent sample(s) No, Extra sample(s) present
 Are there samples matrices other than soil, water, air or carbon? Yes No
 Are any sample containers broken, leaking or damaged? Yes No
 Are preservatives indicated? Yes, on sample containers Yes, on COC Not indicated N/A
 Are preservatives correct for analyses requested? Yes No N/A
 Are samples within holding time for analyses requested? Yes No
 Are the correct sample containers used for the analyses requested? Yes No
 Is there sufficient sample to perform testing? Yes No
 Does any sample contain product, have strong odor or are otherwise suspected to be hot? Yes No

Receipt Details

Matrix WA Container type Non # of containers received 38
 Matrix WA Container type Amber/glass # of containers received 12
 Matrix _____ Container type _____ # of containers received _____
 Date and Time Sample Put into Temp Storage Date: 082710 Time: 1534

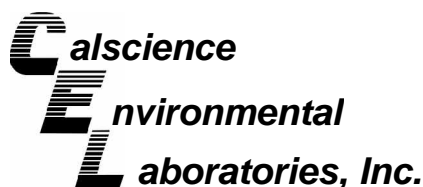
Quicklog

Are the Sample ID's indicated: On COC On sample container(s) On Both Not indicated
 If Sample ID's are listed on both COC and containers, do they all match? Yes No N/A
 Is the Project ID indicated: On COC On sample container(s) On Both Not indicated
 If project ID is listed on both COC and containers, do they all match? Yes No N/A
 Are the sample collection dates indicated: On COC On sample container(s) On Both Not indicated
 If collection dates are listed on both COC and containers, do they all match? Yes No N/A
 Are the sample collection times indicated: On COC On sample container(s) On Both Not indicated
 If collection times are listed on both COC and containers, do they all match? Yes No N/A

COMMENTS:



Subcontract Laboratory Report Attachments



September 03, 2010

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

Subject: **CalScience Work Order No.: 10-08-2266**
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 8/28/2010 and analyzed in accordance with the attached chain-of-custody.

CalScience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. 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,

A handwritten signature in black ink that reads "Amanda Porter".

CalScience Environmental
Laboratories, Inc.
Amanda Porter
Project Manager

Analytical Report



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

Date Received: 08/28/10
Work Order No: 10-08-2266
Preparation: EPA 3510C
Method: EPA 8310
Units: ug/L

Project: Earthgrains Baking Companies, Inc.

Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-101	10-08-2266-1-A	08/24/10 12:10	Aqueous	HPLC 5	08/30/10	08/31/10 19:06	100830L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	1.0	1		Benzo (a) Anthracene	ND	1.0	1	
Acenaphthylene	ND	1.0	1		Chrysene	ND	1.0	1	
Acenaphthene	ND	1.0	1		Benzo (b) Fluoranthene	ND	1.0	1	
Fluorene	ND	1.0	1		Benzo (k) Fluoranthene	ND	1.0	1	
Phenanthrene	ND	1.0	1		Benzo (a) Pyrene	ND	0.20	1	
Anthracene	ND	1.0	1		Dibenz (a,h) 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	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>						
Decafluorobiphenyl	88	16-100							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-102	10-08-2266-2-A	08/24/10 11:30	Aqueous	HPLC 5	08/30/10	08/31/10 19:38	100830L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	1.0	1		Benzo (a) Anthracene	ND	1.0	1	
Acenaphthylene	ND	1.0	1		Chrysene	ND	1.0	1	
Acenaphthene	ND	1.0	1		Benzo (b) Fluoranthene	ND	1.0	1	
Fluorene	ND	1.0	1		Benzo (k) Fluoranthene	ND	1.0	1	
Phenanthrene	ND	1.0	1		Benzo (a) Pyrene	ND	0.20	1	
Anthracene	ND	1.0	1		Dibenz (a,h) 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	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>						
Decafluorobiphenyl	82	16-100							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-103	10-08-2266-3-A	08/24/10 11:40	Aqueous	HPLC 5	08/30/10	08/31/10 20:11	100830L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	1.0	1		Benzo (a) Anthracene	ND	1.0	1	
Acenaphthylene	ND	1.0	1		Chrysene	ND	1.0	1	
Acenaphthene	ND	1.0	1		Benzo (b) Fluoranthene	ND	1.0	1	
Fluorene	ND	1.0	1		Benzo (k) Fluoranthene	ND	1.0	1	
Phenanthrene	ND	1.0	1		Benzo (a) Pyrene	ND	0.20	1	
Anthracene	ND	1.0	1		Dibenz (a,h) 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	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>						
Decafluorobiphenyl	75	16-100							

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



Analytical Report



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

Date Received: 08/28/10
Work Order No: 10-08-2266
Preparation: EPA 3510C
Method: EPA 8310
Units: ug/L

Project: Earthgrains Baking Companies, Inc.

Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-104	10-08-2266-4-A	08/24/10 11:55	Aqueous	HPLC 5	08/30/10	08/31/10 20:43	100830L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	1.0	1		Benzo (a) Anthracene	ND	1.0	1	
Acenaphthylene	ND	1.0	1		Chrysene	ND	1.0	1	
Acenaphthene	ND	1.0	1		Benzo (b) Fluoranthene	ND	1.0	1	
Fluorene	ND	1.0	1		Benzo (k) Fluoranthene	ND	1.0	1	
Phenanthrene	ND	1.0	1		Benzo (a) Pyrene	ND	0.20	1	
Anthracene	ND	1.0	1		Dibenz (a,h) 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	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>						
Decafluorobiphenyl	58	16-100							


Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUPLICATE	10-08-2266-5-A	08/24/10 13:15	Aqueous	HPLC 5	08/30/10	08/31/10 21:16	100830L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	1.0	1		Benzo (a) Anthracene	ND	1.0	1	
Acenaphthylene	ND	1.0	1		Chrysene	ND	1.0	1	
Acenaphthene	ND	1.0	1		Benzo (b) Fluoranthene	ND	1.0	1	
Fluorene	ND	1.0	1		Benzo (k) Fluoranthene	ND	1.0	1	
Phenanthrene	ND	1.0	1		Benzo (a) Pyrene	ND	0.20	1	
Anthracene	ND	1.0	1		Dibenz (a,h) 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	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>						
Decafluorobiphenyl	75	16-100							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DW-1	10-08-2266-6-A	08/24/10 12:55	Aqueous	HPLC 5	08/30/10	08/31/10 21:49	100830L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	1.0	1		Benzo (a) Anthracene	ND	1.0	1	
Acenaphthylene	ND	1.0	1		Chrysene	ND	1.0	1	
Acenaphthene	ND	1.0	1		Benzo (b) Fluoranthene	ND	1.0	1	
Fluorene	ND	1.0	1		Benzo (k) Fluoranthene	ND	1.0	1	
Phenanthrene	ND	1.0	1		Benzo (a) Pyrene	ND	0.20	1	
Anthracene	ND	1.0	1		Dibenz (a,h) 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	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>						
Decafluorobiphenyl	97	16-100							

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



Analytical Report



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

Date Received: 08/28/10
 Work Order No: 10-08-2266
 Preparation: EPA 3510C
 Method: EPA 8310
 Units: ug/L

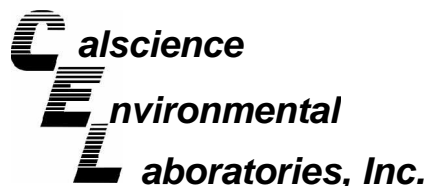
Project: Earthgrains Baking Companies, Inc.

Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-07-003-1,562	N/A	Aqueous	HPLC 5	08/30/10	08/31/10 17:28	100830L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	1.0	1		Benzo (a) Anthracene	ND	1.0	1	
Acenaphthylene	ND	1.0	1		Chrysene	ND	1.0	1	
Acenaphthene	ND	1.0	1		Benzo (b) Fluoranthene	ND	1.0	1	
Fluorene	ND	1.0	1		Benzo (k) Fluoranthene	ND	1.0	1	
Phenanthrene	ND	1.0	1		Benzo (a) Pyrene	ND	0.20	1	
Anthracene	ND	1.0	1		Dibenz (a,h) 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	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>						
Decafluorobiphenyl	100	16-100							

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



Quality Control - LCS/LCS Duplicate



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

Date Received: N/A
Work Order No: 10-08-2266
Preparation: EPA 3510C
Method: EPA 8310

Project: Earthgrains Baking Companies, Inc.

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-07-003-1,562	Aqueous	HPLC 5	08/30/10	08/31/10	100830L01		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Naphthalene	114	114	26-170	2-194	1	0-21	
Acenaphthylene	108	107	49-133	35-147	1	0-23	
Acenaphthene	105	106	49-133	35-147	1	0-20	
Fluorene	118	119	56-134	43-147	1	0-17	
Phenanthrene	118	119	59-131	47-143	1	0-18	
Anthracene	55	55	58-136	45-149	1	0-19	ME
Fluoranthene	114	115	60-132	48-144	1	0-19	
Pyrene	112	113	65-125	55-135	2	0-21	
Benzo (a) Anthracene	114	115	65-137	53-149	1	0-21	
Chrysene	119	120	65-143	52-156	1	0-21	
Benzo (b) Fluoranthene	123	123	67-139	55-151	1	0-22	
Benzo (k) Fluoranthene	121	122	68-140	56-152	0	0-22	
Benzo (a) Pyrene	113	111	62-134	50-146	2	0-22	
Dibenz (a,h) Anthracene	112	118	66-138	54-150	5	0-28	
Benzo (g,h,i) Perylene	111	115	66-138	54-150	3	0-21	
Indeno (1,2,3-c,d) Pyrene	110	112	63-135	51-147	2	0-22	

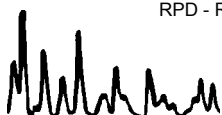
Total number of LCS compounds : 16

Total number of ME compounds : 1

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 10-08-2266

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
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 or PES/PESD 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 without further clarification.
B	Analyte was present in the associated method blank.
E	Concentration exceeds the calibration range.
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.
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.
X	% 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 Second Street, Suite 300
 Davis, CA 95618
 Lab: 530.297.4800
 Fax: 530.297.4808

Calscience
 7440 Lincoln Way
 Garden Grove, CA 92841-1427
 714-895-5494

2266

COC No. **74315** Page 1 of 1

Project Contact (Hardcopy or PDF to): Scott Forbes			EDF Report? NO			Chain-of-Custody Record and Analysis Request																		
Company/Address: Kiff Analytical			Recommended but not mandatory to complete this section:			Analysis Request												TAT						
Phone No.: 530-297-4800			Global ID:																					
FAX No.: 530-297-4808			Deliverables to (Email Address): inbox@kiffanalytical.com															4-Days		For Lab Use Only				
Project Number: 100000088776			P.O. No.: 74315																					
Project Name: Earthgrains Baking Companies, Inc.			Container / Preservative			Matrix																		
Project Address:			1-L Amber None			Water																		
Sample Designation			Sampling		PNAs by EPA 8310																			
			Date	Time																				
1	MW-101		08/24/10	12:10	2				X										X					
2	MW-102		08/24/10	11:30	2				X										X					
3	MW-103		08/24/10	11:40	2				X										X					
4	MW-104		08/24/10	11:55	2				X										X					
5	DUPLICATE		08/24/10	13:15	2				X										X					
6	DW-1		08/24/10	12:55	2				X										X					
Relinquished by: <i>[Signature]</i> KIFF Analytical			Date	Time	Received by:			Remarks:																
Relinquished by:			Date	Time	Received by:																			
Relinquished by:			Date	Time	Received by Laboratory: <i>[Signature]</i> CEL																			
			Date	Time	Received by Laboratory:			Bill to: Accounts Payable																

2266

S

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Page 1 of 1



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Date Printed 8/27/2010

Tracking#D10010311566363

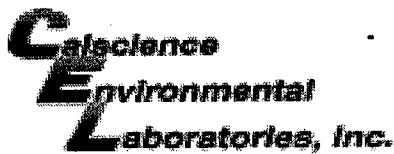
Shipped From:
KIFF ANALYTICAL
2795 2ND STREET 300
DAVIS, CA 95616

Sent By: SAMPLE RECEIVING
Phone#: (530)297-4800
wgt(lbs): 1
Reference: SATURDAY SUB SAMPLE SHIPMENT
Reference 2:

Ship To Company:
CALSCIENCE ENVIRONMENTAL
7440 LINCOLN WAY
GARDEN GROVE, CA 92841
RECEIVING (714)895-5494

B10207210772

Service: **S**
Sort Code: **ORG**
Special Services:
Saturday Delivery
Signature Required



WORK ORDER #: 10-08-2266

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Kiff

DATE: 08/28/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0°C – 6.0°C, not frozen)

Temperature 1.4 °C + 0.5°C (CF) = 1.9 °C Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____).

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: Air Filter Metals Only PCBs Only Initial: TN

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A Initial: TN

Sample _____ No (Not Intact) Not Present Initial: [Signature]

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sample container label(s) consistent with COC.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

CONTAINER TYPE:

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (____) EnCores® TerraCores® _____

Water: VOA VOA^h VOA_{na2} 125AGB 125AGB^h 125AGB^p 1AGB 1AGB_{na2} 1AGB_s

500AGB 500AGJ 500AGJ_s 250AGB 250CGB 250CGB_s 1PB 500PB 500PB_{na}

250PB 250PB_n 125PB 125PB_{znna} 100PJ 100PJ_{na2} _____ _____ _____

Air: Tedlar® Summa® **Other:** _____ **Trip Blank Lot#:** _____ **Labeled/Checked by:** [Signature]

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** WSC

Preservative: h: HCL n: HNO₃ na₂:Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ znna: ZnAc₂+NaOH f: Field-filtered **Scanned by:** WSC

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

- Sample(s)/Container(s) NOT RECEIVED but listed on COC
- Sample(s)/Container(s) received but NOT LISTED on COC
- Holding time expired – list sample ID(s) and test
- Insufficient quantities for analysis – list test
- Improper container(s) used – list test
- Improper preservative used – list test
- No preservative noted on COC or label – list test & notify lab
- Sample labels illegible – note test/container type
- Sample label(s) do not match COC – Note in comments
 - Sample ID
 - Date and/or Time Collected
 - Project Information
 - # of Container(s)
 - Analysis
- Sample container(s) compromised – Note in comments
 - Water present in sample container
 - Broken
 - Without Label(s)
- Air sample container(s) compromised – Note in comments
 - Flat
 - Very low in volume
 - Leaking (Not transferred - duplicate bag submitted)
 - Leaking (transferred into Calscience Tedlar® Bag*)
 - Leaking (transferred into Client's Tedlar® Bag*)
- Other: _____

Comments:

(-2) collection time per label
is 12:30

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis

Comments: _____

*Transferred at Client's request. Initial / Date: *[Signature]* 08/28/10



Laboratory Results

John Carrow
Philip Services Corp
210 W Sand Bank Road
Columbia, IL 62236

Subject : 6 Water Samples
Project Name : Earthgrains Baking Companies, Inc.
Project Number : 101210AK1
P.O. Number : 10000124205

Dear Mr. Carrow,

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. Testing procedures comply with the 2003 NELAC standard. All soil samples are reported on a total weight (wet weight) basis unless noted otherwise in the case narrative. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC. Kiff Analytical, LLC is certified by the State of California under the National Environmental Laboratory Accreditation Program (NELAP), lab # 08263CA. If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,



Joel Kiff

Project Name : **Earthgrains Baking Companies, Inc.**

Project Number : **101210AK1**

Sample : **TB-1**

Matrix : Water

Lab Number : 75703-01

Sample Date :12/10/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/15/10 03:21
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/15/10 03:21
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/15/10 03:21
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/15/10 03:21
1,2-Dichloroethane-d4 (Surr)	99.0		% Recovery	EPA 8260B	12/15/10 03:21
Toluene - d8 (Surr)	99.0		% Recovery	EPA 8260B	12/15/10 03:21

Sample : **MW-101**

Matrix : Water

Lab Number : 75703-02

Sample Date :12/10/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/15/10 03:58
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/15/10 03:58
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/15/10 03:58
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/15/10 03:58
1,2-Dichloroethane-d4 (Surr)	99.8		% Recovery	EPA 8260B	12/15/10 03:58
Toluene - d8 (Surr)	98.6		% Recovery	EPA 8260B	12/15/10 03:58
TPH as Diesel	86	50	ug/L	M EPA 8015	12/15/10 17:41
Octacosane (Diesel Surrogate)	105		% Recovery	M EPA 8015	12/15/10 17:41

Project Name : **Earthgrains Baking Companies, Inc.**

Project Number : **101210AK1**

Sample : **MW-102**

Matrix : Water

Lab Number : 75703-03

Sample Date :12/10/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/15/10 04:35
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/15/10 04:35
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/15/10 04:35
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/15/10 04:35
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	12/15/10 04:35
Toluene - d8 (Surr)	98.3		% Recovery	EPA 8260B	12/15/10 04:35
TPH as Diesel	160	50	ug/L	M EPA 8015	12/15/10 18:10
Octacosane (Diesel Surrogate)	92.3		% Recovery	M EPA 8015	12/15/10 18:10

Sample : **MW-103**

Matrix : Water

Lab Number : 75703-04

Sample Date :12/10/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/15/10 05:12
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/15/10 05:12
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/15/10 05:12
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/15/10 05:12
1,2-Dichloroethane-d4 (Surr)	99.6		% Recovery	EPA 8260B	12/15/10 05:12
Toluene - d8 (Surr)	98.7		% Recovery	EPA 8260B	12/15/10 05:12
TPH as Diesel	< 50	50	ug/L	M EPA 8015	12/16/10 01:48
Octacosane (Diesel Surrogate)	89.5		% Recovery	M EPA 8015	12/16/10 01:48

Project Name : **Earthgrains Baking Companies, Inc.**

Project Number : **101210AK1**

Sample : **MW-104**

Matrix : Water

Lab Number : 75703-05

Sample Date :12/10/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/15/10 05:49
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/15/10 05:49
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/15/10 05:49
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/15/10 05:49
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	12/15/10 05:49
Toluene - d8 (Surr)	99.7		% Recovery	EPA 8260B	12/15/10 05:49
TPH as Diesel	84	50	ug/L	M EPA 8015	12/16/10 01:19
Octacosane (Diesel Surrogate)	99.1		% Recovery	M EPA 8015	12/16/10 01:19

Sample : **DUP-1**

Matrix : Water

Lab Number : 75703-06

Sample Date :12/10/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/15/10 06:26
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/15/10 06:26
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/15/10 06:26
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/15/10 06:26
1,2-Dichloroethane-d4 (Surr)	99.2		% Recovery	EPA 8260B	12/15/10 06:26
Toluene - d8 (Surr)	98.8		% Recovery	EPA 8260B	12/15/10 06:26
TPH as Diesel	200	50	ug/L	M EPA 8015	12/16/10 00:50
Octacosane (Diesel Surrogate)	98.1		% Recovery	M EPA 8015	12/16/10 00:50

Report Number : 75703

Date : 12/17/2010

QC Report : Method Blank Data

Project Name : **Earthgrains Baking Companies, Inc.**

Project Number : **101210AK1**

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
TPH as Diesel	< 50	50	ug/L	M EPA 8015	12/15/2010
Octacosane (Diesel Surrogate)	99.9		%	M EPA 8015	12/15/2010
Benzene	< 0.50	0.50	ug/L	EPA 8260B	12/14/2010
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	12/14/2010
Toluene	< 0.50	0.50	ug/L	EPA 8260B	12/14/2010
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	12/14/2010
1,2-Dichloroethane-d4 (Surr)	101		%	EPA 8260B	12/14/2010
Toluene - d8 (Surr)	100		%	EPA 8260B	12/14/2010

<u>Parameter</u>	<u>Measured Value</u>	<u>Method Reporting Limit</u>	<u>Units</u>	<u>Analysis Method</u>	<u>Date Analyzed</u>
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QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **Earthgrains Baking Companies, Inc.**Project Number : **101210AK1**

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.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel	BLANK	<50	1000	1000	998	961	ug/L	M EPA 8015	12/15/10	99.8	96.1	3.73	70-130	25
Benzene	75708-02	<0.50	40.0	40.0	40.8	38.7	ug/L	EPA 8260B	12/14/10	102	96.6	5.52	80-120	25
Ethylbenzene	75708-02	<0.50	40.0	40.0	42.4	40.6	ug/L	EPA 8260B	12/14/10	106	101	4.31	80-120	25
P + M Xylene	75708-02	<0.50	40.0	40.0	41.9	39.6	ug/L	EPA 8260B	12/14/10	105	99.0	5.60	76.8-120	25
Toluene	75708-02	<0.50	40.0	40.0	40.1	38.6	ug/L	EPA 8260B	12/14/10	100	96.6	3.77	80-120	25

QC Report : Laboratory Control Sample (LCS)Project Name : **Earthgrains Baking Companies, Inc.**Project Number : **101210AK1**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	39.9	ug/L	EPA 8260B	12/14/10	97.4	80-120
Ethylbenzene	39.9	ug/L	EPA 8260B	12/14/10	102	80-120
P + M Xylene	39.9	ug/L	EPA 8260B	12/14/10	101	76.8-120
Toluene	39.9	ug/L	EPA 8260B	12/14/10	97.6	80-120

BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

CONDUCT ANALYSIS TO DETECT

LAB #

KIFF

75703

DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND

- EPA
- LIA
- OTHER

RWQCB REGION _____

CHAIN OF CUSTODY

BTS # **101210 AKI**

CLIENT **PSC**

SITE **Earthgrains Baking Companies, Inc.**

955 Kennedy St.

Oakland, CA

C = COMPOSITE ALL CONTAINERS

BTEX (8260B)

TPH-D (8015M)

PAH's (8310)

SPECIAL INSTRUCTIONS

Invoice & Report to: PSC Attn: John Carrow
 210 West Sand Bank Rd. Columbia, IL 62236
 PSC Project #
 cc:jcarrow@pscnow.com
 Ph. 618-792-2468

SAMPLE I.D.	DATE	TIME	MATRIX S= SOIL W=H ₂ O	CONTAINERS TOTAL		BTEX (8260B)	TPH-D (8015M)	PAH's (8310)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
TB-1	12/10/10	900	W	2	HCL VCAS	X												01
MW-101		1010	W	8	ASSORT.	X	X	X										02
MW-102		1205	W	8		X	X	X										03
MW-103		1110	W	8		X	X	X										04
MW-104		1040	W	8		X	X	X										05
DUP-1		1250	W	8		X	X	X										06

SAMPLING COMPLETED DATE **12-10-10 @ 1200** TIME **1200** SAMPLING PERFORMED BY **J. KRESS** RESULTS NEEDED NO LATER THAN **Standard TAT**

RELEASED BY *[Signature]* DATE **12-10-10 @ 1725** TIME **1725** RECEIVED BY *[Signature]* DATE **12-10-10 @ 1725** TIME **1725**

RELEASED BY *[Signature]* DATE **12/13/10** TIME **1225** RECEIVED BY *[Signature]* DATE **12/13/10** TIME **1225**

RELEASED BY *[Signature]* DATE **12/13/10** TIME **1225** RECEIVED BY *[Signature]* DATE **12/13/10** TIME **1225**

SHIPPED VIA _____ DATE SENT _____ TIME SENT _____ COOLER # _____

SAMPLE RECEIPT CHECKLIST

RECEIVER <u>CIY</u> Initials

SRG#: 75703 Date: 12/31/10
 Project ID: Earthgrains Baking Companies, Inc.
 Method of Receipt: Courier Over-the-counter Shipper

COC Inspection

Is COC present? Yes No

Custody seals on shipping container? Intact Broken Not present N/A

Is COC Signed by Relinquisher? Yes No Dated? Yes No

Is sampler name legibly indicated on COC? Yes No

Is analysis or hold requested for all samples? Yes No

Is the turnaround time indicated on COC? Yes No

Is COC free of whiteout and uninitialed cross-outs? Yes No, Whiteout No, Cross-outs

Sample Inspection

Coolant Present: Yes No (includes water)

Temperature °C 4.6 Therm. ID# IRS Initial CIY Date/Time 12/31/10 1600 N/A

Are there custody seals on sample containers? Intact Broken Not present

Do containers match COC? Yes No No, COC lists absent sample(s) No, Extra sample(s) present

Are there samples matrices other than soil, water, air or carbon? Yes No

Are any sample containers broken, leaking or damaged? Yes No

Are preservatives indicated? Yes, on sample containers Yes, on COC Not indicated N/A

Are preservatives correct for analyses requested? Yes No N/A

Are samples within holding time for analyses requested? Yes No

Are the correct sample containers used for the analyses requested? Yes No

Is there sufficient sample to perform testing? Yes No

Does any sample contain product, have strong odor or are otherwise suspected to be hot? Yes No

Receipt Details

Matrix <u>WA</u>	Container type <u>VOA</u>	# of containers received <u>32</u>
Matrix <u>WA</u>	Container type <u>Amber</u>	# of containers received <u>10</u>
Matrix _____	Container type _____	# of containers received _____

Date and Time Sample Put into Temp Storage Date: 12/31/10 Time: 1605

Quicklog

Are the Sample ID's indicated: On COC On sample container(s) On Both Not indicated

If Sample ID's are listed on both COC and containers, do they all match? Yes No N/A

Is the Project ID indicated: On COC On sample container(s) On Both Not indicated

If project ID is listed on both COC and containers, do they all match? Yes No N/A

Are the sample collection dates indicated: On COC On sample container(s) On Both Not indicated

If collection dates are listed on both COC and containers, do they all match? Yes No N/A

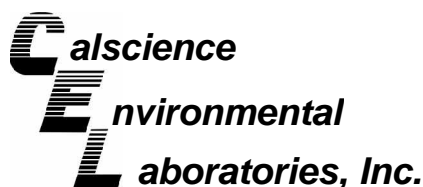
Are the sample collection times indicated: On COC On sample container(s) On Both Not indicated

If collection times are listed on both COC and containers, do they all match? Yes No N/A

COMMENTS:



Subcontract Laboratory Report Attachments



December 20, 2010

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

Subject: **CalScience Work Order No.: 10-12-1105**
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 12/14/2010 and analyzed in accordance with the attached chain-of-custody.

CalScience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. 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,

A handwritten signature in cursive script that reads 'Wendy Hsiao for'.

CalScience Environmental
Laboratories, Inc.
Amanda Porter
Project Manager

Analytical Report



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

Date Received: 12/14/10
Work Order No: 10-12-1105
Preparation: EPA 3510C
Method: EPA 8310
Units: ug/L

Project: Earthgrains Baking Companies, Inc.

Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-101	10-12-1105-1-A	12/10/10 10:10	Aqueous	HPLC 5	12/14/10	12/15/10 14:19	101214L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	1.0	1		Benzo (a) Anthracene	ND	1.0	1	
Acenaphthylene	ND	1.0	1		Chrysene	ND	1.0	1	
Acenaphthene	ND	1.0	1		Benzo (b) Fluoranthene	ND	1.0	1	
Fluorene	ND	1.0	1		Benzo (k) Fluoranthene	ND	1.0	1	
Phenanthrene	ND	1.0	1		Benzo (a) Pyrene	ND	0.20	1	
Anthracene	ND	1.0	1		Dibenz (a,h) 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	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>						
Decafluorobiphenyl	51	16-100							

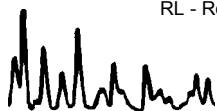
Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-102	10-12-1105-2-A	12/10/10 12:05	Aqueous	HPLC 5	12/14/10	12/15/10 14:52	101214L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	1.0	1		Benzo (a) Anthracene	ND	1.0	1	
Acenaphthylene	ND	1.0	1		Chrysene	ND	1.0	1	
Acenaphthene	ND	1.0	1		Benzo (b) Fluoranthene	ND	1.0	1	
Fluorene	ND	1.0	1		Benzo (k) Fluoranthene	ND	1.0	1	
Phenanthrene	ND	1.0	1		Benzo (a) Pyrene	ND	0.20	1	
Anthracene	ND	1.0	1		Dibenz (a,h) 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	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>						
Decafluorobiphenyl	51	16-100							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-103	10-12-1105-3-A	12/10/10 11:10	Aqueous	HPLC 5	12/14/10	12/15/10 15:25	101214L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	1.0	1		Benzo (a) Anthracene	ND	1.0	1	
Acenaphthylene	ND	1.0	1		Chrysene	ND	1.0	1	
Acenaphthene	ND	1.0	1		Benzo (b) Fluoranthene	ND	1.0	1	
Fluorene	ND	1.0	1		Benzo (k) Fluoranthene	ND	1.0	1	
Phenanthrene	ND	1.0	1		Benzo (a) Pyrene	ND	0.20	1	
Anthracene	ND	1.0	1		Dibenz (a,h) 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	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>						
Decafluorobiphenyl	46	16-100							

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



Analytical Report



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

Date Received: 12/14/10
Work Order No: 10-12-1105
Preparation: EPA 3510C
Method: EPA 8310
Units: ug/L

Project: Earthgrains Baking Companies, Inc.

Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-104	10-12-1105-4-A	12/10/10 10:40	Aqueous	HPLC 5	12/14/10	12/15/10 15:57	101214L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	1.0	1		Benzo (a) Anthracene	ND	1.0	1	
Acenaphthylene	ND	1.0	1		Chrysene	ND	1.0	1	
Acenaphthene	ND	1.0	1		Benzo (b) Fluoranthene	ND	1.0	1	
Fluorene	ND	1.0	1		Benzo (k) Fluoranthene	ND	1.0	1	
Phenanthrene	ND	1.0	1		Benzo (a) Pyrene	ND	0.20	1	
Anthracene	ND	1.0	1		Dibenz (a,h) 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	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>						
Decafluorobiphenyl	60	16-100							


Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUP-1	10-12-1105-5-A	12/10/10 12:50	Aqueous	HPLC 5	12/14/10	12/15/10 16:30	101214L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	1.0	1		Benzo (a) Anthracene	ND	1.0	1	
Acenaphthylene	ND	1.0	1		Chrysene	ND	1.0	1	
Acenaphthene	ND	1.0	1		Benzo (b) Fluoranthene	ND	1.0	1	
Fluorene	ND	1.0	1		Benzo (k) Fluoranthene	ND	1.0	1	
Phenanthrene	ND	1.0	1		Benzo (a) Pyrene	ND	0.20	1	
Anthracene	ND	1.0	1		Dibenz (a,h) 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	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>						
Decafluorobiphenyl	52	16-100							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-07-003-1,623	N/A	Aqueous	HPLC 5	12/14/10	12/15/10 13:47	101214L03

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	1.0	1		Benzo (a) Anthracene	ND	1.0	1	
Acenaphthylene	ND	1.0	1		Chrysene	ND	1.0	1	
Acenaphthene	ND	1.0	1		Benzo (b) Fluoranthene	ND	1.0	1	
Fluorene	ND	1.0	1		Benzo (k) Fluoranthene	ND	1.0	1	
Phenanthrene	ND	1.0	1		Benzo (a) Pyrene	ND	0.20	1	
Anthracene	ND	1.0	1		Dibenz (a,h) 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	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>						
Decafluorobiphenyl	43	16-100							

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



Quality Control - LCS/LCS Duplicate



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

Date Received: N/A
 Work Order No: 10-12-1105
 Preparation: EPA 3510C
 Method: EPA 8310

Project: Earthgrains Baking Companies, Inc.

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-07-003-1,623	Aqueous	HPLC 5	12/14/10	12/15/10	101214L03		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Naphthalene	59	58	26-170	2-194	2	0-21	
Acenaphthylene	79	72	49-133	35-147	9	0-23	
Acenaphthene	86	83	49-133	35-147	4	0-20	
Fluorene	89	82	56-134	43-147	8	0-17	
Phenanthrene	86	79	59-131	47-143	8	0-18	
Anthracene	63	58	58-136	45-149	8	0-19	
Fluoranthene	85	79	60-132	48-144	8	0-19	
Pyrene	80	74	65-125	55-135	8	0-21	
Benzo (a) Anthracene	90	84	65-137	53-149	7	0-21	
Chrysene	94	87	65-143	52-156	7	0-21	
Benzo (b) Fluoranthene	95	89	67-139	55-151	7	0-22	
Benzo (k) Fluoranthene	94	87	68-140	56-152	7	0-22	
Benzo (a) Pyrene	84	76	62-134	50-146	10	0-22	
Dibenz (a,h) Anthracene	94	88	66-138	54-150	6	0-28	
Benzo (g,h,i) Perylene	97	90	66-138	54-150	8	0-21	
Indeno (1,2,3-c,d) Pyrene	94	88	63-135	51-147	7	0-22	

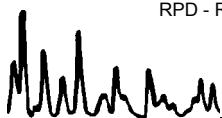
Total number of LCS compounds : 16

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 10-12-1105

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
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 or PES/PESD 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 without further clarification.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. 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.
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.
X	% 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 Second Street, Suite 300
 Davis, CA 95618
 Lab: 530.297.4800
 Fax: 530.297.4808

Calscience
 7440 Lincoln Way
 Garden Grove, CA 92841-1427
 714-895-5494

COC No. **75703**

1105

Project Contact (Hardcopy or PDF to): **Scott Forbes**
 EDF Report? **NO**
Chain-of-Custody Record and Analysis Request

Company/Address:			Recommended but not mandatory to complete this section:													Analysis Request			TAT											
Kiff Analytical			Sampling Company Log Code:																											
Phone No.:		FAX No.:	Global ID:																											
530-297-4800		530-297-4808																												
Project Number:		P.O. No.:	Deliverables to (Email Address):																											
101210AK1		75703	inbox@kiffanalytical.com																											
Project Name:			Container / Preservative						Matrix																					
Earthgrains Baking Companies, Inc.																														
Project Address:		Sampling		PNAs by EPA 8310																										
Sample Designation		Date	Time	1-L Amber Na ₂ S ₂ O ₃						Water											4-Days		For Lab Use Only							
MW-101		12/10/10	10:10	2							X		X															X		1
MW-102		12/10/10	12:05	2							X		X															X		2
MW-103		12/10/10	11:10	2							X		X															X		3
MW-104		12/10/10	10:40	2							X		X															X		4
DUP-1		12/10/10	12:50	2							X		X															X		5

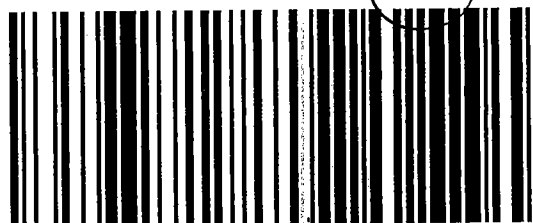
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Relinquished by:	Date:	Time:	Received by:
Relinquished by: <i>[Signature]</i> CONTRAC	Date: 12/10/10	Time: 0930	Received by Laboratory: <i>[Signature]</i> Wabatu CE

Remarks:

Bill to: Accounts Payable



800.334.5000
ontrac.com



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Date Printed 12/13/2010

Tracking#D10010338484689

Shipped From:
KIFF ANALYTICAL
2795 2ND STREET 300
DAVIS, CA 95616

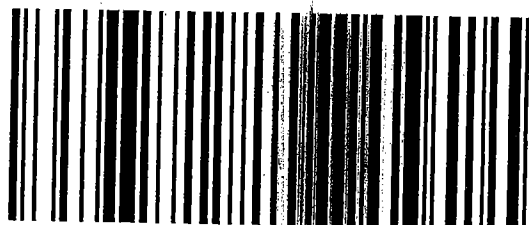
Sent By: SAMPLE RECEIVING
Phone#: (530)297-4800
wgt(lbs): 25
Reference: SUB SAMPLES
Reference 2:

Ship To Company:
CALSCIENCE ENVIRONMENTAL LABS
7440 LINCOLN WAY
GARDEN GROVE, CA 92841
SAMPLE RECEIVING (714)895-5494

Service: **S**
Sort Code: **ORG**
Special Services:
Signature Required



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D10010338484697

Date Printed 12/13/2010

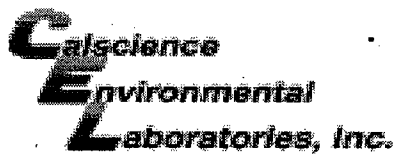
Tracking#D10010338484697

Shipped From:
KIFF ANALYTICAL
2795 2ND STREET 300
DAVIS, CA 95616

Sent By: SAMPLE RECEIVING
Phone#: (530)297-4800
wgt(lbs): 25
Reference: SUB SAMPLES
Reference 2:

Ship To Company:
CALSCIENCE ENVIRONMENTAL LABS
7440 LINCOLN WAY
GARDEN GROVE, CA 92841
SAMPLE RECEIVING (714)895-5494

Service: **S**
Sort Code: **ORG**
Special Services:
Signature Required



WORK ORDER #: 10-12-1105

SAMPLE RECEIPT FORM

Cooler 1 of 2

CLIENT: KIFF ANALYTICAL

DATE: 12/14/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0°C - 6.0°C, not frozen)

Temperature 1.9°C + 0.5°C (CF) = 2.4°C [X] Blank [] Sample

- [] Sample(s) outside temperature criteria (PM/APM contacted by: _____).
[] Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

[X] Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: [] Air [] Filter

Initial: WB

CUSTODY SEALS INTACT:

- [X] Cooler [] _____ [] No (Not Intact) [] Not Present [] N/A
[] Sample [] _____ [] No (Not Intact) [X] Not Present

Initial: WB

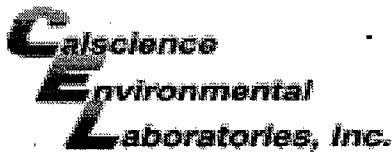
Initial: PS

SAMPLE CONDITION:

Table with 4 columns: Item, Yes, No, N/A. Rows include Chain-Of-Custody (COC) document(s) received with samples, COC document(s) received complete, Sampler's name indicated on COC, etc.

CONTAINER TYPE:

Solid: [] 4ozCGJ [] 8ozCGJ [] 16ozCGJ [] Sleeve (____) [] EnCores® [] TerraCores® [] _____
Water: [] VOA [] VOAh [] VOAna2 [] 125AGB [] 125AGBh [] 125AGBp [] 1AGB [X] 1AGBna2 [] 1AGBs
Air: [] Tedlar® [] Summa® Other: [] _____ Trip Blank Lot#: _____ Labeled/Checked by: PS
Reviewed by: TN
Scanned by: TN



WORK ORDER #: 10-12-1105

SAMPLE RECEIPT FORM

Cooler 2 of 2

CLIENT: KIFF ANALYTICAL

DATE: 12/14/10

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0°C - 6.0°C, not frozen)

Temperature 2.1 °C + 0.5 °C (CF) = 2.6 °C [X] Blank [] Sample

[] Sample(s) outside temperature criteria (PM/APM contacted by: _____).

[] Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

[] Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: [] Air [] Filter

Initial: WB

CUSTODY SEALS INTACT:

[X] Cooler [] _____ [] No (Not Intact) [] Not Present [] N/A

Initial: WB

[] Sample [] _____ [] No (Not Intact) [X] Not Present

Initial: PS

SAMPLE CONDITION:

Chain-Of-Custody (COC) document(s) received with samples..... [X] Yes [] No [] N/A

COC document(s) received complete..... [X] Yes [] No [] N/A

[] Collection date/time, matrix, and/or # of containers logged in based on sample labels.

[] No analysis requested. [] Not relinquished. [] No date/time relinquished.

Sampler's name indicated on COC..... [] Yes [] No [X] N/A

Sample container label(s) consistent with COC..... [X] Yes [] No [] N/A

Sample container(s) intact and good condition..... [X] Yes [] No [] N/A

Proper containers and sufficient volume for analyses requested..... [X] Yes [] No [] N/A

Analyses received within holding time..... [X] Yes [] No [] N/A

pH / Residual Chlorine / Dissolved Sulfide received within 24 hours..... [] Yes [] No [X] N/A

Proper preservation noted on COC or sample container..... [X] Yes [] No [] N/A

[] Unpreserved vials received for Volatiles analysis

Volatile analysis container(s) free of headspace..... [] Yes [] No [X] N/A

Tedlar bag(s) free of condensation..... [] Yes [] No [X] N/A

CONTAINER TYPE:

Solid: [] 4ozCGJ [] 8ozCGJ [] 16ozCGJ [] Sleeve (____) [] EnCores® [] TerraCores® [] _____

Water: [] VOA [] VOA_h [] VOA_{na2} [] 125AGB [] 125AGB_h [] 125AGB_p [] 1AGB [X] 1AGB_{na2} [] 1AGB_s

[] 500AGB [] 500AGJ [] 500AGJ_s [] 250AGB [] 250CGB [] 250CGB_s [] 1PB [] 500PB [] 500PB_{na}

[] 250PB [] 250PB_n [] 125PB [] 125PB_{znna} [] 100PJ [] 100PJ_{na2} [] _____ [] _____ [] _____

Air: [] Tedlar® [] Summa® Other: [] _____ Trip Blank Lot#: _____ Labeled/Checked by: PS

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: TN

Preservative: h: HCL n: HNO₃ na₂: Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ znna: ZnAc₂+NaOH f: Field-filtered Scanned by: TN



2795 Second Street, Suite 300
 Davis, CA 95618
 Lab: 530.297.4800
 Fax: 530.297.4808

Calscience
 7440 Lincoln Way
 Garden Grove, CA 92841-1427
 714-895-5494

REVISED
 12/14/10

COC No. **75703** Page 1 of 1

Project Contact (Hardcopy or PDF to): Scott Forbes			EDF Report? YES		Chain-of-Custody Record and Analysis Request																																	
Company/Address: Kiff Analytical			Recommended but not mandatory to complete this section:		Analysis Request																TAT																	
Phone No.: 530-297-4800		FAX No.: 530-297-4808	Sampling Company Log Code: BTSS																																			
Project Number: 101210AK1		P.O. No.: 75703	Global ID: T0600177342																																			
Project Name: Earthgrains Baking Companies, Inc.			Deliverables to (Email Address): inbox@kiffanalytical.com																																			
Project Address:			Container / Preservative								Matrix																											
Sample Designation		Sampling		1-L Amber Na ₂ S ₂ O ₃									Water					PNAs by EPA 8310																	4-Days	For Lab Use Only		
		Date	Time																																			
MW-101		12/10/10	10:10	2									X					X																	X			
MW-102		12/10/10	12:05	2									X					X																	X			
MW-103		12/10/10	11:10	2									X					X																	X			
MW-104		12/10/10	10:40	2									X					X																	X			
DUP-1		12/10/10	12:50	2									X					X																	X			
Relinquished by:		Date	Time	Received by:		Remarks:																																
Relinquished by:		Date	Time	Received by:																																		
Relinquished by:		Date	Time	Received by Laboratory:		Bill to: Accounts Payable																																



Laboratory Results

Paul Anderson
Philip Services Corp
210 W Sand Bank Road
Columbia, IL 62236

Subject : 6 Water Samples
Project Name : Earthgrains Baking Companies, Inc.
Project Number : 110202-IW1
P.O. Number : 10000128956

Dear Mr. Anderson,

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. Testing procedures comply with the 2003 NELAC standard. All soil samples are reported on a total weight (wet weight) basis unless noted otherwise in the case narrative. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC. Kiff Analytical, LLC is certified by the State of California under the National Environmental Laboratory Accreditation Program (NELAP), lab # 08263CA. If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,



Joel Kiff

Project Name : **Earthgrains Baking Companies, Inc.**

Project Number : **110202-IW1**

Sample : **MW-101**

Matrix : Water

Lab Number : 76291-01

Sample Date :02/02/2011

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/04/11 02:29
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/04/11 02:29
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/04/11 02:29
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/04/11 02:29
1,2-Dichloroethane-d4 (Surr)	98.3		% Recovery	EPA 8260B	02/04/11 02:29
Toluene - d8 (Surr)	102		% Recovery	EPA 8260B	02/04/11 02:29
TPH as Diesel	61	50	ug/L	M EPA 8015	02/07/11 15:37
Octacosane (Diesel Surrogate)	111		% Recovery	M EPA 8015	02/07/11 15:37

Sample : **MW-102**

Matrix : Water

Lab Number : 76291-02

Sample Date :02/02/2011

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/04/11 00:55
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/04/11 00:55
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/04/11 00:55
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/04/11 00:55
1,2-Dichloroethane-d4 (Surr)	98.2		% Recovery	EPA 8260B	02/04/11 00:55
Toluene - d8 (Surr)	99.7		% Recovery	EPA 8260B	02/04/11 00:55
TPH as Diesel	110	50	ug/L	M EPA 8015	02/07/11 16:06
Octacosane (Diesel Surrogate)	107		% Recovery	M EPA 8015	02/07/11 16:06

Project Name : **Earthgrains Baking Companies, Inc.**

Project Number : **110202-IW1**

Sample : **MW-103**

Matrix : Water

Lab Number : 76291-03

Sample Date :02/02/2011

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/04/11 01:27
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/04/11 01:27
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/04/11 01:27
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/04/11 01:27
1,2-Dichloroethane-d4 (Surr)	98.8		% Recovery	EPA 8260B	02/04/11 01:27
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	02/04/11 01:27
TPH as Diesel	53	50	ug/L	M EPA 8015	02/07/11 16:36
Octacosane (Diesel Surrogate)	106		% Recovery	M EPA 8015	02/07/11 16:36

Sample : **MW-104**

Matrix : Water

Lab Number : 76291-04

Sample Date :02/02/2011

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/04/11 01:58
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/04/11 01:58
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/04/11 01:58
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/04/11 01:58
1,2-Dichloroethane-d4 (Surr)	99.5		% Recovery	EPA 8260B	02/04/11 01:58
Toluene - d8 (Surr)	101		% Recovery	EPA 8260B	02/04/11 01:58
TPH as Diesel	92	50	ug/L	M EPA 8015	02/07/11 17:05
Octacosane (Diesel Surrogate)	108		% Recovery	M EPA 8015	02/07/11 17:05

Project Name : **Earthgrains Baking Companies, Inc.**

Project Number : **110202-IW1**

Sample : **DUPLICATE**

Matrix : Water

Lab Number : 76291-05

Sample Date :02/02/2011

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/03/11 23:53
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/03/11 23:53
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/03/11 23:53
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/03/11 23:53
1,2-Dichloroethane-d4 (Surr)	99.4		% Recovery	EPA 8260B	02/03/11 23:53
Toluene - d8 (Surr)	97.8		% Recovery	EPA 8260B	02/03/11 23:53
TPH as Diesel	120	50	ug/L	M EPA 8015	02/07/11 17:35
Octacosane (Diesel Surrogate)	109		% Recovery	M EPA 8015	02/07/11 17:35

Sample : **TB**

Matrix : Water

Lab Number : 76291-06

Sample Date :02/02/2011

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/04/11 00:24
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/04/11 00:24
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/04/11 00:24
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/04/11 00:24
1,2-Dichloroethane-d4 (Surr)	98.6		% Recovery	EPA 8260B	02/04/11 00:24
Toluene - d8 (Surr)	98.8		% Recovery	EPA 8260B	02/04/11 00:24
TPH as Diesel	< 50	50	ug/L	M EPA 8015	02/07/11 18:04
Octacosane (Diesel Surrogate)	111		% Recovery	M EPA 8015	02/07/11 18:04

QC Report : Method Blank Data

Project Name : **Earthgrains Baking Companies, Inc.**

Project Number : **110202-IW1**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
TPH as Diesel	< 50	50	ug/L	M EPA 8015	02/07/2011
Octacosane (Diesel Surrogate)	100		%	M EPA 8015	02/07/2011
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/03/2011
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/03/2011
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/03/2011
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/03/2011
1,2-Dichloroethane-d4 (Surr)	99.4		%	EPA 8260B	02/03/2011
Toluene - d8 (Surr)	100		%	EPA 8260B	02/03/2011

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
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QC Report : Matrix Spike/ Matrix Spike Duplicate

Project Name : **Earthgrains Baking Companies, Inc.**Project Number : **110202-IW1**

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.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
TPH as Diesel	BLANK	<50	1000	1000	963	1030	ug/L	M EPA 8015	2/7/11	96.3	103	6.36	70-130	25
Benzene	76294-01	10	40.0	40.0	47.8	46.9	ug/L	EPA 8260B	2/3/11	94.6	92.4	2.37	80-120	25
Ethylbenzene	76294-01	9.8	40.0	40.0	50.0	49.4	ug/L	EPA 8260B	2/3/11	101	99.0	1.63	80-120	25
P + M Xylene	76294-01	13	40.0	40.0	53.7	53.0	ug/L	EPA 8260B	2/3/11	103	101	1.77	76.8-120	25
Toluene	76294-01	0.68	40.0	40.0	39.6	38.4	ug/L	EPA 8260B	2/3/11	97.4	94.3	3.18	80-120	25

QC Report : Laboratory Control Sample (LCS)Project Name : **Earthgrains Baking Companies, Inc.**Project Number : **110202-IW1**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	2/3/11	94.2	80-120
Ethylbenzene	40.0	ug/L	EPA 8260B	2/3/11	100	80-120
P + M Xylene	40.0	ug/L	EPA 8260B	2/3/11	101	76.8-120
Toluene	40.0	ug/L	EPA 8260B	2/3/11	97.4	80-120

BLAINE

TECH SERVICES, INC.

1680 ROGERS AVENUE
 SAN JOSE, CALIFORNIA 95112-1105
 FAX (408) 573-7771
 PHONE (408) 573-0555

76291

CONDUCT ANALYSIS TO DETECT

LAB

KIFF

DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND

- EPA
- LIA
- OTHER

RWQCB REGION _____

SPECIAL INSTRUCTIONS

Invoice & Report to: PSC Attn: John Carrow
 210 West Sand Bank Rd. Columbia, IL 62236
 PSC Project # Confirm w/John Carrow
 cc:jcarrow@pscnow.com
 Ph. 618-792-2468

CHAIN OF CUSTODY
 BTS# 110202 -IW1

CLIENT PSC

SITE Earthgrains Baking Companies, Inc.
 955 Kennedy St.
 Oakland, CA

C = COMPOSITE ALL CONTAINERS

SAMPLE I.D.	DATE	TIME	MATRIX		CONTAINERS	C	BTEX (8260B)	TPH-d (8015M)	PAH's (8310)												ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #	
			S=SOIL	W=H ₂ O																					TOTAL
MW-101	2/2/11	0905	W		8		X	X	X																01
MW-102	2/2/11	1040	W		8		X	X	X																02
MW-103	2/2/11	0930	W		8		X	X	X																03
MW-104	2/2/11	1000	W		8		X	X	X																04
DUPLICATE	2/2/11	1100	W		8		X	X	X																05
TB	2/2/11	0800	W		4		X	X																	06

SAMPLING COMPLETED DATE 2/2/11 TIME 1100 SAMPLING PERFORMED BY IAN WILLIAMS RESULTS NEEDED NO LATER THAN Standard TAT

RELEASED BY DATE 2/2/11 TIME 1545 RECEIVED BY DATE 2/2/11 TIME 1545

RELEASED BY DATE 2/3/11 TIME 1200 RECEIVED BY DATE 020311 TIME 1215

SHIPPED VIA DATE SENT TIME SENT COOLER #

01010

SAMPLE RECEIPT CHECKLIST

SRG#: 76291 Date: 020311
 Project ID: Barth grains Balancing Companies, Inc.
 Method of Receipt: Courier Over-the-counter Shipper

COC Inspection

Is COC present? Yes No
 Custody seals on shipping container? Intact Broken Not present N/A
 Is COC Signed by Relinquisher? Yes No Dated? Yes No
 Is sampler name legibly indicated on COC? Yes No
 Is analysis or hold requested for all samples? Yes No
 Is the turnaround time indicated on COC? Yes No
 Is COC free of whiteout and uninitialed cross-outs? Yes No, Whiteout No, Cross-outs

Sample Inspection

Coolant Present: Yes No (includes water)
 Temperature °C 0.2 Therm. ID# 1R-5 Initial GER Date/Time 020311 1604 N/A
 Are there custody seals on sample containers? Intact Broken Not present
 Do containers match COC? Yes No No, COC lists absent sample(s) No, Extra sample(s) present
 Are there samples matrices other than soil, water, air or carbon? Yes No
 Are any sample containers broken, leaking or damaged? Yes No
 Are preservatives indicated? Yes, on sample containers Yes, on COC Not indicated N/A
 Are preservatives correct for analyses requested? Yes No N/A
 Are samples within holding time for analyses requested? Yes No
 Are the correct sample containers used for the analyses requested? Yes No
 Is there sufficient sample to perform testing? Yes No
 Does any sample contain product, have strong odor or are otherwise suspected to be hot? Yes No

Receipt Details
 Matrix WA Container type Vac # of containers received 12
 Matrix WA Container type Glass - 1 liter # of containers received 34
 Matrix _____ Container type _____ # of containers received 10
 Date and Time Sample Put into Temp Storage Date: 020311 Time: 1608

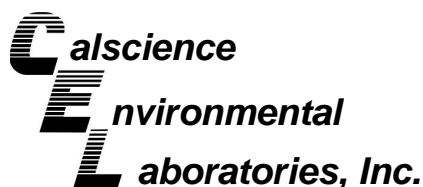
Quicklog

Are the Sample ID's indicated: On COC On sample container(s) On Both Not indicated
 If Sample ID's are listed on both COC and containers, do they all match? Yes No N/A
 Is the Project ID indicated: On COC On sample container(s) On Both Not indicated
 If project ID is listed on both COC and containers, do they all match? Yes No N/A
 Are the sample collection dates indicated: On COC On sample container(s) On Both Not indicated
 If collection dates are listed on both COC and containers, do they all match? Yes No N/A
 Are the sample collection times indicated: On COC On sample container(s) On Both Not indicated
 If collection times are listed on both COC and containers, do they all match? Yes No N/A

COMMENTS:



Subcontract Laboratory Report Attachments



February 18, 2011

Heather Clark
TestAmerica
17461 Derian Avenue, Suite 100
Irvine, CA 92614-5845

Subject: **CalScience Work Order No.: 11-02-0826**
Client Reference: IUB1197

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 2/11/2011 and analyzed in accordance with the attached chain-of-custody.

CalScience Environmental Laboratories certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. 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,

A handwritten signature in black ink, appearing to read 'Richard Villafania'.

CalScience Environmental
Laboratories, Inc.
Richard Villafania
Project Manager

Analytical Report



TestAmerica
17461 Derian Avenue, Suite 100
Irvine, CA 92614-5845

Date Received: 02/11/11
Work Order No: 11-02-0826
Preparation: EPA 3510C
Method: EPA 8310
Units: ug/L

Project: IUB1197

Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
IUB1197-01 (MW-101-Water)	11-02-0826-1-A	02/02/11 09:05	Aqueous	HPLC 5	02/15/11	02/17/11 17:58	110215L05

Comment(s): -Sample received after recommended holding time.


Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	1.0	1		Benzo (a) Anthracene	ND	1.0	1	
Acenaphthylene	ND	1.0	1		Chrysene	ND	1.0	1	
Acenaphthene	ND	1.0	1		Benzo (b) Fluoranthene	ND	1.0	1	
Fluorene	ND	1.0	1		Benzo (k) Fluoranthene	ND	1.0	1	
Phenanthrene	ND	1.0	1		Benzo (a) Pyrene	ND	0.20	1	
Anthracene	ND	1.0	1		Dibenz (a,h) 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	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>						
Decafluorobiphenyl	70	16-100							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
IUB1197-02 (MW-102-Water)	11-02-0826-2-A	02/02/11 10:40	Aqueous	HPLC 5	02/15/11	02/17/11 18:30	110215L05

Comment(s): -Sample received after recommended holding time.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	1.0	1		Benzo (a) Anthracene	ND	1.0	1	
Acenaphthylene	ND	1.0	1		Chrysene	ND	1.0	1	
Acenaphthene	ND	1.0	1		Benzo (b) Fluoranthene	ND	1.0	1	
Fluorene	ND	1.0	1		Benzo (k) Fluoranthene	ND	1.0	1	
Phenanthrene	ND	1.0	1		Benzo (a) Pyrene	ND	0.20	1	
Anthracene	ND	1.0	1		Dibenz (a,h) 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	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>						
Decafluorobiphenyl	74	16-100							

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



Analytical Report



TestAmerica
17461 Derian Avenue, Suite 100
Irvine, CA 92614-5845

Date Received: 02/11/11
Work Order No: 11-02-0826
Preparation: EPA 3510C
Method: EPA 8310
Units: ug/L

Project: IUB1197

Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
IUB1197-03 (MW-103-Water)	11-02-0826-3-A	02/02/11 09:30	Aqueous	HPLC 5	02/15/11	02/17/11 19:03	110215L05

Comment(s): -Sample received after recommended holding time.


Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	1.0	1		Benzo (a) Anthracene	ND	1.0	1	
Acenaphthylene	ND	1.0	1		Chrysene	ND	1.0	1	
Acenaphthene	ND	1.0	1		Benzo (b) Fluoranthene	ND	1.0	1	
Fluorene	ND	1.0	1		Benzo (k) Fluoranthene	ND	1.0	1	
Phenanthrene	ND	1.0	1		Benzo (a) Pyrene	ND	0.20	1	
Anthracene	ND	1.0	1		Dibenz (a,h) 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	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>						
Decafluorobiphenyl	67	16-100							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
IUB1197-04 (MW-104-Water)	11-02-0826-4-A	02/02/11 10:00	Aqueous	HPLC 5	02/15/11	02/17/11 19:35	110215L05

Comment(s): -Sample received after recommended holding time.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	1.0	1		Benzo (a) Anthracene	ND	1.0	1	
Acenaphthylene	ND	1.0	1		Chrysene	ND	1.0	1	
Acenaphthene	ND	1.0	1		Benzo (b) Fluoranthene	ND	1.0	1	
Fluorene	ND	1.0	1		Benzo (k) Fluoranthene	ND	1.0	1	
Phenanthrene	ND	1.0	1		Benzo (a) Pyrene	ND	0.20	1	
Anthracene	ND	1.0	1		Dibenz (a,h) 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	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>						
Decafluorobiphenyl	70	16-100							

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



Analytical Report



TestAmerica
17461 Derian Avenue, Suite 100
Irvine, CA 92614-5845

Date Received: 02/11/11
Work Order No: 11-02-0826
Preparation: EPA 3510C
Method: EPA 8310
Units: ug/L

Project: IUB1197

Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
IUB1197-05 (DUPLICATE-Water)	11-02-0826-5-A	02/02/11 11:00	Aqueous	HPLC 5	02/15/11	02/17/11 20:08	110215L05

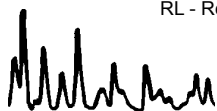
Comment(s): -Sample received after recommended holding time.

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	1.0	1		Benzo (a) Anthracene	ND	1.0	1	
Acenaphthylene	ND	1.0	1		Chrysene	ND	1.0	1	
Acenaphthene	ND	1.0	1		Benzo (b) Fluoranthene	ND	1.0	1	
Fluorene	ND	1.0	1		Benzo (k) Fluoranthene	ND	1.0	1	
Phenanthrene	ND	1.0	1		Benzo (a) Pyrene	ND	0.20	1	
Anthracene	ND	1.0	1		Dibenz (a,h) 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	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>						
Decafluorobiphenyl	77	16-100							

Method Blank	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
	099-07-003-1,648	N/A	Aqueous	HPLC 5	02/15/11	02/17/11 15:15	110215L05

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Naphthalene	ND	1.0	1		Benzo (a) Anthracene	ND	1.0	1	
Acenaphthylene	ND	1.0	1		Chrysene	ND	1.0	1	
Acenaphthene	ND	1.0	1		Benzo (b) Fluoranthene	ND	1.0	1	
Fluorene	ND	1.0	1		Benzo (k) Fluoranthene	ND	1.0	1	
Phenanthrene	ND	1.0	1		Benzo (a) Pyrene	ND	0.20	1	
Anthracene	ND	1.0	1		Dibenz (a,h) 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	
<u>Surrogates:</u>	<u>REC (%)</u>	<u>Control Limits</u>	<u>Qual</u>						
Decafluorobiphenyl	60	16-100							

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



Quality Control - LCS/LCS Duplicate



TestAmerica
 17461 Derian Avenue, Suite 100
 Irvine, CA 92614-5845

Date Received: N/A
 Work Order No: 11-02-0826
 Preparation: EPA 3510C
 Method: EPA 8310

Project: IUB1197

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number		
099-07-003-1,648	Aqueous	HPLC 5	02/15/11	02/17/11	110215L05		
Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Naphthalene	68	81	26-170	2-194	17	0-21	
Acenaphthylene	72	80	49-133	35-147	11	0-23	
Acenaphthene	72	81	49-133	35-147	12	0-20	
Fluorene	77	88	56-134	43-147	13	0-17	
Phenanthrene	77	87	59-131	47-143	13	0-18	
Anthracene	70	78	58-136	45-149	12	0-19	
Fluoranthene	76	85	60-132	48-144	12	0-19	
Pyrene	82	93	65-125	55-135	13	0-21	
Benzo (a) Anthracene	81	92	65-137	53-149	12	0-21	
Chrysene	80	90	65-143	52-156	12	0-21	
Benzo (b) Fluoranthene	81	91	67-139	55-151	12	0-22	
Benzo (k) Fluoranthene	81	91	68-140	56-152	12	0-22	
Benzo (a) Pyrene	74	83	62-134	50-146	11	0-22	
Dibenz (a,h) Anthracene	77	86	66-138	54-150	11	0-28	
Benzo (g,h,i) Perylene	79	88	66-138	54-150	11	0-21	
Indeno (1,2,3-c,d) Pyrene	77	87	63-135	51-147	12	0-22	

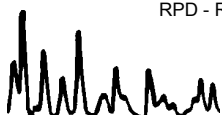
Total number of LCS compounds : 16

Total number of ME compounds : 0

Total number of ME compounds allowed : 1

LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit



Work Order Number: 11-02-0826

<u>Qualifier</u>	<u>Definition</u>
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
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 or PES/PESD 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 without further clarification.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. 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.
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.
X	% 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. All QC results are reported on a wet weight basis.



Subcontract Order - TestAmerica Irvine (IUB1197)

0826

SENDING LABORATORY:

TestAmerica Irvine
 17461 Derian Avenue, Suite 100
 Irvine, CA 92614
 Phone: (949) 261-1022
 Fax: (949) 260-3297
 Project Manager: Heather Clark

RECEIVING LABORATORY:

Calscience Environmental Labs
 7440 Lincoln Way
 Garden Grove, CA 92841
 Phone :714-895-5494
 Fax: 714-894-7501
 Project Location: California
 Receipt Temperature: _____ °C Ice: Y / N

Standard TAT is requested unless specific due date is requested. => Due Date: _____ Initials: _____

Analysis	Units	Expires	Comments
----------	-------	---------	----------

- 1 / **Sample ID: IUB1197-01 (MW-101 - Water)** Sampled: **02/02/11 09:05**

8310-PAH-HPLC-OUT	ug/l	02/09/11 09:05	
-------------------	------	----------------	--

Containers Supplied:
 1 L Amber Glass 1 L Amber Glass
 w/Sodium Thiosulfate w/Sodium Thiosulfate
 (A) (B)
- 2 **Sample ID: IUB1197-02 (MW-102 - Water)** Sampled: **02/02/11 10:40**

8310-PAH-HPLC-OUT	ug/l	02/09/11 10:40	
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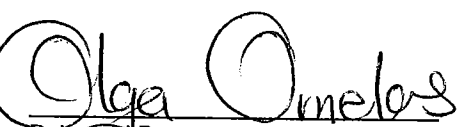
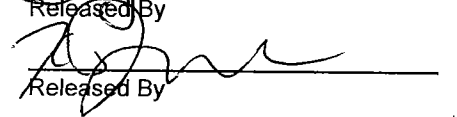
Containers Supplied:
 1 L Amber Glass 1 L Amber Glass
 w/Sodium Thiosulfate w/Sodium Thiosulfate
 (A) (B)
- 3 **Sample ID: IUB1197-03 (MW-103 - Water)** Sampled: **02/02/11 09:30**


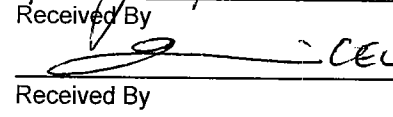
8310-PAH-HPLC-OUT	ug/l	02/09/11 09:30	
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Containers Supplied:
 1 L Amber Glass 1 L Amber Glass
 w/Sodium Thiosulfate w/Sodium Thiosulfate
 (A) (B)
- + **Sample ID: IUB1197-04 (MW-104 - Water)** Sampled: **02/02/11 10:00**

8310-PAH-HPLC-OUT	ug/l	02/09/11 10:00	
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Containers Supplied:
 1 L Amber Glass 1 L Amber Glass
 w/Sodium Thiosulfate w/Sodium Thiosulfate
 (A) (B)


 Released By _____ Date/Time _____

 Released By _____ Date/Time 2/11/11 15:08


 Received By _____ Date/Time 2-11-11 16:30

 Received By _____ Date/Time 2-11-11 15:08

Subcontract Order - TestAmerica Irvine (IUB1197)

0826

Analysis	Units	Expires	Comments
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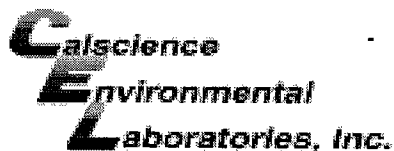
Sample ID: IUB1197-05 (DUPLICATE - Water)

Sampled: 02/02/11 11:00

8310-PAH-HPLC-OUT	ug/l	02/09/11 11:00	
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Containers Supplied:

1 L Amber Glass	1 L Amber Glass
w/Sodium Thiosulfate	w/Sodium Thiosulfate
(A)	(B)



WORK ORDER #: 11-02-0826

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Test America

DATE: 02/11/11

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature 1.0 °C + 0.5 °C (CF) = 1.5 °C Blank Sample

Sample(s) outside temperature criteria (PM/APM contacted by: _____).

Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: Air Filter Initial: YL

CUSTODY SEALS INTACT:

Cooler _____ No (Not Intact) Not Present N/A Initial: YL

Sample _____ No (Not Intact) Not Present Initial: TN

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC document(s) received complete.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
<input type="checkbox"/> No analysis requested. <input type="checkbox"/> Not relinquished. <input type="checkbox"/> No date/time relinquished.			
Sampler's name indicated on COC.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sample container label(s) consistent with COC.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample container(s) intact and good condition.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Proper containers and sufficient volume for analyses requested.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Analyses received within holding time.....	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
pH / Residual Chlorine / Dissolved Sulfide received within 24 hours.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Proper preservation noted on COC or sample container.....	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Tedlar bag(s) free of condensation.....	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

CONTAINER TYPE:

Solid: 4ozCGJ 8ozCGJ 16ozCGJ Sleeve (____) EnCores® TerraCores® _____

Water: VOA VOA_h VOA_{na2} 125AGB 125AGB_h 125AGB_p 1AGB 1AGB_{na2} 1AGB_s

500AGB 500AGJ 500AGJ_s 250AGB 250CGB 250CGB_s 1PB 500PB 500PB_{na}

250PB 250PB_n 125PB 125PB_z 100PJ 100PJ_{na2} _____ _____ _____

Air: Tedlar® Summa® **Other:** _____ **Trip Blank Lot#:** _____ **Labeled/Checked by:** TN

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** PS

Preservative: h: HCL n: HNO₃ na₂: Na₂S₂O₃ na: NaOH p: H₃PO₄ s: H₂SO₄ z_{na}: ZnAc₂+NaOH f: Field-filtered **Scanned by:** JS

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

Comments:

- Sample(s)/Container(s) NOT RECEIVED but listed on COC
- Sample(s)/Container(s) received but NOT LISTED on COC
- Holding time expired – list sample ID(s) and test
- Insufficient quantities for analysis – list test
- Improper container(s) used – list test
- Improper preservative used – list test
- No preservative noted on COC or label – list test & notify lab
- Sample labels illegible – note test/container type
- Sample label(s) do not match COC – Note in comments
 - Sample ID
 - Date and/or Time Collected
 - Project Information
 - # of Container(s)
 - Analysis
- Sample container(s) compromised – Note in comments
 - Water present in sample container
 - Broken
- Sample container(s) not labeled
- Air sample container(s) compromised – Note in comments
 - Flat
 - Very low in volume
 - Leaking (Not transferred - duplicate bag submitted)
 - Leaking (transferred into Calscience Tedlar® Bag*)
 - Leaking (transferred into Client's Tedlar® Bag*)
- Other: _____

Holding time expired for

PAHs -

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis

Comments: _____

*Transferred at Client's request.

Initial / Date: *TN* 02/11/11

WELL GAUGING DATA

Project # 101210AK1 Date 12-10-10 Client PSC

Site EARTHGRAINS, 955 KENNEDY ST. OAKLAND

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or <u>TOC</u>	Notes	
MW-101	921	2					7.68	27.91	↓		
MW-102	924	2				8.16 9.48 <u>9.48</u>	28.27				
MW-103	910	2				7.67	24.80				
MW-104	928	2				7.60	24.96	✓			
* MW-102			UNDERPRESSURE - ALLOWED EQUALIZATION								

WELLHEAD INSPECTION CHECKLIST

Date 12-10-10 Client PSC @ EARTH GRAINS

Site Address 955 KENNEDY ST. OAKLAND

Job Number 101210AK1 Technician ALC

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Debris Removed From Wellbox	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)
MW-101	✓							
MW-102	✓							
MW-103	✓	✓						
MW-104	✓							

NOTES: _____

WELL MONITORING DATA SHEET

Project #: 101210AK1	Client: PSC @ EARTHGRAINS
Sampler: AK	Date: 12-10-10
Well I.D.: MW-101	Well Diameter: ② 3 4 6 8
Total Well Depth (TD): 27.91	Depth to Water (DTW): 7.68
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.72	

Purge Method: Bailer Disposable Bailer Positive Air Displacement Electric Submersible	Waterra Peristaltic Extraction Pump Other _____	Sampling Method: Bailer Disposable Bailer Extraction Port Dedicated Tubing Other: _____
--	--	---

WC = 20.23

3.2 (Gals.) X	3	= 9.7 Gals.
Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1000	19.1	6.74	1048	265	3.5	
1003	19.9	6.68	1013	353	7.0	
1005	20.0	6.69	1017	235	10.5	

Did well dewater? Yes No Gallons actually evacuated: 10.5

Sampling Date: 12-10-10 Sampling Time: 1010 Depth to Water: 10.52

Sample I.D.: MW-101 Laboratory: Kif CalScience Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SEE SOW

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
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O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV
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WAM

WELL MONITORING DATA SHEET

Project #: 101210AK1	Client: PSC@ EARTHGRAINS
Sampler: AK	Date: 12-10-10
Well I.D.: MW-102	Well Diameter: 2 3 4 6 8
Total Well Depth (TD): 28.27	Depth to Water (DTW): 8.16
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.18	

Purge Method: Bailer Disposable Bailer Positive Air Displacement Electric Submersible	Waterra Peristaltic Extraction Pump Other _____	Sampling Method: Baile Disposable Bailer Extraction Port Dedicated Tubing Other: _____
--	--	---

WC = 20.11

3.2 (Gals.) X **3** = **9.6** Gals.

1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1134	18.5	6.87	1491	221	3.5	
1138	18.7	6.86	1586	157	7.0	
1141	18.8	6.90	1660	100	10.5	
DEWATERED		@	11.0	GALLONS		DTW: 25.19
1205	18.6	6.99	1679	89	—	

Did well dewater? **Yes** No Gallons actually evacuated: **11.0**

Sampling Date: **12-10-10** Sampling Time: **1205** Depth to Water: **12.00**

Sample I.D.: **MW-102** Laboratory: **Kifi** CalScience Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: **SEE SAW**

EB I.D. (if applicable): **@** Time Duplicate I.D. (if applicable): **DVP-1 @ 1250**

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: _____

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
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O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV
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WELL MONITORING DATA SHEET

Project #: 101210AK1	Client: PSC @ EARTH GRAINS
Sampler: AK	Date: 12-10-10
Well I.D.: MW-103	Well Diameter: (2) 3 4 6 8
Total Well Depth (TD): 24.80	Depth to Water (DTW): 7.67
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.09	

Purge Method: Bailer Disposable Bailer Positive Air Displacement Electric Submersible	Watterra Peristaltic Extraction Pump Other _____	Sampling Method: Bailer Disposable Bailer Extraction Port Dedicated Tubing Other: _____
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WC = 17.13

2.7 (Gals.) X **3** = **8.2** Gals.
 1 Case Volume Specified Volumes Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1104	18.9	6.84	933	>1000	3.0	
1106	19.3	6.78	909	>1000	6.0	
1107	19.4	6.76	908	>1000	9.0	

Did well dewater? Yes **(No)** Gallons actually evacuated: **9.0**

Sampling Date: **12-10-10** Sampling Time: **1110** Depth to Water: **7.74**

Sample I.D.: **MW-103** Laboratory: **(Kiff)** CalScience Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: **SEE ROW**

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd): Pre-purge: _____ mg/L Post-purge: _____ mg/L

O.R.P. (if req'd): Pre-purge: _____ mV Post-purge: _____ mV

WELL MONITORING DATA SHEET

Project #: <u>101210AK1</u>	Client: <u>PSC @ EARTH GRAINS</u>
Sampler: <u>AK</u>	Date: <u>12-10-10</u>
Well I.D.: <u>MW-104</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth (TD): <u>24.96</u>	Depth to Water (DTW): <u>7.60</u>
Depth to Free Product: <u>—</u>	Thickness of Free Product (feet): <u>—</u>
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>11.07</u>	

Purge Method: Bailer Disposable Bailer Positive Air Displacement <u>Electric Submersible</u>	Waterra Peristaltic Extraction Pump Other _____	Sampling Method: Bailer <u>Disposable Bailer</u> Extraction Port Dedicated Tubing Other: _____
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W.C. = 17.36

$\frac{2.7 \text{ (Gals.)} \times 3}{1 \text{ Case Volume Specified Volumes}} = 8.3 \text{ Gals. Calculated Volume}$
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Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1035	19.8	6.88	862	>1000	3.0	
1036	19.3	6.81	882	>1000	6.0	
1037	19.4	6.88	881	>1000	9.0	

Did well dewater? Yes (No) Gallons actually evacuated: 9.0

Sampling Date: 12-10-10 Sampling Time: 1040 Depth to Water: 9.79

Sample I.D.: MW-104 Laboratory: (Kiff) CalScience Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: SEE SOW

EB I.D. (if applicable): _____ @ _____ Time Duplicate I.D. (if applicable): _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: _____

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

SPH or Purge Water Drum Log

Client: PSL @ EARTHGRAINS
 Site Address: 955 Kennedy St., Oakland

STATUS OF DRUM(S) UPON ARRIVAL

Date	4/15/09	7/22/09	01/28/10	8-24-10	12/3/10	12/10/10
Number of drum(s) empty:	—	—				
Number of drum(s) 1/4 full:	—	—				1
Number of drum(s) 1/2 full:	—	—				
Number of drum(s) 3/4 full:	—	—				
Number of drum(s) full:	—	—				2
Total drum(s) on site:	0 (BTS)	0	0	0	0	3
Are the drum(s) properly labeled?	NA	N/A				YES
Drum ID & Contents:	NA	N/A				H2O Purge
If any drum(s) are partially or totally filled, what is the first use date:	NA	N/A				12-3-10

- If you add any SPH to an empty or partially filled drum, drum must have at least 20 gals. of Purge water or DI Water.
- If drum contains SPH, the drum MUST be steel AND labeled with the appropriate label.
- All BTS drums MUST be labeled appropriately.

STATUS OF DRUM(S) UPON DEPARTURE

Date	4/15/09	7-22-09	01/28/10	8-24-10	12/3/10	12/10/10
Number of drums empty:						
Number of drum(s) 1/4 full:	1					1
Number of drum(s) 1/2 full:			1		1	
Number of drum(s) 3/4 full:						
Number of drum(s) full:	1	1		1	2	3
Total drum(s) on site:	2 (BTS)	1	1	1		4
Are the drum(s) properly labeled?	Y	Y	Y	YES	YES	YES
Drum ID & Contents:	Purge water Non HAZ	Purge water Non HAZ		Purge H ₂ O Meo	Purge H ₂ O	Purge H ₂ O

LOCATION OF DRUM(S)

Describe location of drum(s): ~~Inside Truck wash building next to well MW-102~~
~~2nd floor (outside)~~ NW corner of bldg between green & red doors

FINAL STATUS

Number of new drum(s) left on site this event	2	1	1	1	3	1
Date of inspection:	4/15/09	7-22-09	01/28/10	8-24-10	12/3/10	12/10/10
Drum(s) labelled properly:	Y	Y	Y	YES	YES	YES
Logged by BTS Field Tech:	mon	FS	RC	FS	WW	AK
Office reviewed by:	RC	RC	RC	DJ	NW	101

WELL GAUGING DATA

Project # 110202-IWI Date 2/2/11 Client PSC

Site 955 KENNEDY ST., OAKLAND, CA

Well ID	Time	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC	Notes
MW-101	0824	2					8.56	27.90	↓	
MW-102	0819	2				9.37	28.28			
MW-103	0804	2				8.51	24.77			
MW-104	0811	2				8.38	24.94			

WELLHEAD INSPECTION CHECKLIST

Date 2/2/11 Client PSC

Site Address 955 KENNEDY ST. OAKLAND, CA

Job Number 110202-IW1 Technician IW

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Debris Removed From Wellbox	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)
MW-101	X							
MW-102	X							
MW-103	X							
MW-104	X	X						

NOTES: _____

WELL MONITORING DATA SHEET

Project #: 110202 - IW1	Client: PSC
Sampler: IW	Date: 2/2/11
Well I.D.: MW-101	Well Diameter: (2) 3 4 6 8 _____
Total Well Depth (TD): 27.90	Depth to Water (DTW): 8.56
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 12.43	

Purge Method: Bailer Disposable Bailer Positive Air Displacement **X** Electric Submersible

Waterra Peristaltic Extraction Pump Other _____

Sampling Method: Bailer **X** Disposable Bailer Extraction Port Dedicated Tubing Other: _____

3.1	(Gals.) X	3	=	9.3	Gals.
1 Case Volume		Specified Volumes		Calculated Volume	

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
0849	17.7	7.30	642	270	3.1	
0843	18.7	7.12	706	167	6.2	
0847	18.9	7.10	718	154	9.3	

Did well dewater? Yes **No** Gallons actually evacuated: **9.3**

Sampling Date: **2/2/11** Sampling Time: **0905** Depth to Water: **1095**

Sample I.D.: **MW-101** Laboratory: **(Kiff)** CalScience Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: **SES COC**

EB I.D. (if applicable): _____ @ _____ Time Duplicate I.D. (if applicable): _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: _____

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

W. L MONITORING DATA SHE.

Project #: 110202 - IW1	Client: PSC
Sampler: IW	Date: 2/2/11
Well I.D.: MW - 102	Well Diameter: (2) 3 4 6 8 _____
Total Well Depth (TD): 28.28	Depth to Water (DTW): 9.37
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 13.16	

Purge Method: Bailer	WATERRA	Sampling Method: Bailer
Disposable Bailer	Peristaltic	<input checked="" type="checkbox"/> Disposable Bailer
Positive Air Displacement	Extraction Pump	Extraction Port
<input checked="" type="checkbox"/> Electric Submersible	Other _____	Dedicated Tubing
Other: _____		

$$\frac{3.1 \text{ (Gals.)} \times 3}{1 \text{ Case Volume} \quad \text{Specified Volumes}} = 9.3 \text{ Gals.} \quad \text{Calculated Volume}$$

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
1014	16.9	6.83	766	32	3.1	
1016	18.1	6.68	789	208	6.2	
1018	18.5	6.64	796	47	9.3	DTW = 22.94

Did well dewater? Yes No Gallons actually evacuated: **9.3**

Sampling Date: **2/2/11** Sampling Time: **1040** Depth to Water: **WAITED 13.10**

Sample I.D.: **MW - 102** Laboratory: **(Kiff)** CalScience Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: **SEE COC**

EB I.D. (if applicable): _____ @ _____ Time Duplicate I.D. (if applicable): **DUPLICATE @ 1100**

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: **SEE COC**

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 110202 - IW1	Client: PSC
Sampler: IW	Date: 2/2/11
Well I.D.: MW - 103	Well Diameter: (2) 3 4 6 8
Total Well Depth (TD): 24.77	Depth to Water (DTW): 8.51
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.77	

Purge Method: Bailer Disposable Bailer Positive Air Displacement <input checked="" type="checkbox"/> Electric Submersible	Waterra Peristaltic Extraction Pump Other _____	Sampling Method: Bailer <input checked="" type="checkbox"/> Disposable Bailer Extraction Port Dedicated Tubing Other: _____
--	--	---

2.6 (Gals.) X	3	= 7.8 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
0922	15.9	7.26	528	7100	2.6	
0924	17.3	7.06	526	752	5.2	
0926	17.6	7.02	525	439	7.8	

Did well dewater? Yes No Gallons actually evacuated: **7.8**

Sampling Date: **2/2/11** Sampling Time: **0930** Depth to Water: **8.67**

Sample I.D.: **MW - 103** Laboratory: **(Kiff)** CalScience Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: **SEE COC**

EB I.D. (if applicable): @_{Time} Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

W. L MONITORING DATA SHE.

Project #: 110202 - IW1	Client: PSC
Sampler: IW	Date: 2/2/11
Well I.D.: MW-104	Well Diameter: 2 3 4 6 8 _____
Total Well Depth (TD): 24.94	Depth to Water (DTW): 8.38
Depth to Free Product: —	Thickness of Free Product (feet): —
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 11.69	

Purge Method: Bailer	Watterra	Sampling Method: Bailer
Disposable Bailer	Peristaltic	<input checked="" type="checkbox"/> Disposable Bailer
Positive Air Displacement	Extraction Pump	Extraction Port
<input checked="" type="checkbox"/> Electric Submersible	Other _____	Dedicated Tubing
Other: _____		

2.7 (Gals.) X	3	= 8.1 Gals.
1 Case Volume	Specified Volumes	Calculated Volume

Well Diameter	Multiplier	Well Diameter	Multiplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F or °C)	pH	Cond. (mS or µS)	Turbidity (NTUs)	Gals. Removed	Observations
0951	17.0	7.12	431	71000	2.7	
0953	18.1	6.95	468	71000	5.4	
0955	17.9	6.90	476	71000	8.1	

Did well dewater? Yes No Gallons actually evacuated: **8.1**

Sampling Date: **2/2/11** Sampling Time: **1000** Depth to Water: **11.42**

Sample I.D.: **MW-104** Laboratory: **Kiff** CalScience Other _____

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: **SEE GOC**

EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
O.R.P. (if req'd):	Pre-purge:	mV	Post-purge:	mV

