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Alameda County
Environmental Health

February 24, 2010

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

Dear Mr. Khatri:

Subject: **First Semi-Annual Groundwater Monitoring Report**
January 2010

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

On behalf of Earthgrains Baking Companies, Inc., PSC Industrial Outsourcing, LP (PSC) is submitting the *First Semi-Annual Groundwater Monitoring Report for 2010* for the above-referenced site. This document presents the results of the first semi-annual groundwater monitoring event performed in accordance with Water Resources Control Board Resolution 2009-0042a.

Site Information

Site Location

Earthgrains Baking Companies, Inc.
955 Kennedy Street
Oakland, California 94606
Alameda County
Township 2 South, Range 3 West, Section 7 of the
Mount Diablo Baseline and Meridian

Responsible Party

Earthgrains Baking Companies, Inc.
955 Kennedy Street
Oakland, California 94606
Gary McKinney
Plant Manager
(510) 436-5350
gary.mckinney@saralee.com

Environmental Consultant

PSC Industrial Outsourcing, LP
210 West Sand Bank Road
Columbia, Illinois 62236
John Carrow, P.G
Senior Geologist
(618) 281-1450
jcarrow@pscnow.com

Regulatory Agency

Alameda County Department of Environmental
Health (ACDEH) Local Oversight Program
1131 Harbor Bay Parkway
Alameda, California 94502-6577
Paresh Khatri
Hazardous Materials Specialist
(510) 337-9335
paresh.khatri@acgov.org

Current Project Activities

PSC prepared a *Tier 1 Risk Assessment and Request for No Further Action* in a report submitted to ACDEH on September 17, 2009. ACDEH posted a closure review on Geotracker that indicated the site is not ready for closure because feasible source control had not been performed. Sara Lee and PSC are waiting for a response to their request for No Further Action.

Groundwater monitoring was performed by Blaine Tech Services, Inc. on January 28, 2010. Their report is included as Attachment A. Samples were submitted to Kiff Analytical, LLC, a State of California Certified laboratory for analysis. Their report is included as Attachment B. Field and laboratory reports for July 2009 sampling activities were included in PSC's *Tier 1 Risk Assessment and Request for No Further Action*.

Current Groundwater Monitoring Event Findings

Groundwater Monitoring Well Summary of Conditions – Wells MW-101 through MW-104 had 0.1 to 0.27 feet of silt on the bottom. Approximately 0.20 feet of silt has accumulated in dewatering well DW-1since it was installed. Well construction details are presented in Table 1. Total Depth Measurements are presented in Table 2.

Groundwater Elevation – Wells DW-1 and MW-101 through MW-104 were measured and groundwater elevations were calculated to range from 4.49 to 6.22 feet above mean sea level (MSL). Free product was not observed on any of these wells during this or previous groundwater monitoring events. The water level in well DW-1, installed in the granular backfill of a former excavation, is not indicative of normal static water level of the shallowest permeable zone. The water level in MW-101 and MW-103 also appeared to be anomalously high. This was apparently due to over 6 inches of precipitation in the weeks prior to water level measurement. Groundwater elevation measurements at the site are presented on Table 2.

Groundwater Flow Direction and Gradient - Based on wells MW-102 and MW-104, as well as historic groundwater measurements, groundwater generally flows to the west. The approximate gradient of 0.02 foot per foot also appears to be effected by recent precipitation. Historically the gradient has been approximately 0.001 foot per foot.

Contaminant Concentrations in Groundwater – All four wells sampled in January 2010 contained total petroleum hydrocarbons as diesel (TPH-d) at concentrations just above detection levels (54 to 68 µg/l). MW-101 and MW-103 had no detectable concentrations of TPH-d during the previous groundwater monitoring event. Benzene, toluene, ethylbenzene, and xylenes (BTEX) were not detected in any of the samples collected for this or previous groundwater sampling events. Poly-nuclear aromatic hydrocarbons were not detected in any of the samples collected during this or previous groundwater monitoring events. A summary of BTEX and TPH-d laboratory results are presented on Table 3. A summary of PAH laboratory results are presented on Table 4.

Planned Site Activities

PSC is waiting on a response from ACDEH regarding the September 2009 *Tier 1 Risk Assessment and the Request for No Further Action*. The second semi-annual groundwater monitoring event for the site is scheduled for July 2010.

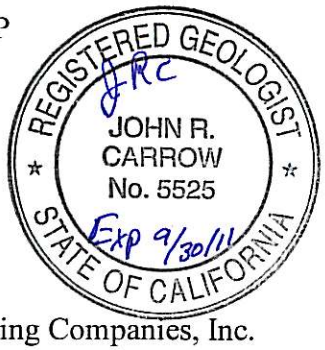
If you have any questions concerning this document, then please contact me at (618) 792-2468.

Respectfully,

PSC INDUSTRIAL OUTSOURCING, LP

John R. Carrow

John R. Carrow, P.G.
Senior Geologist



cc: Gary McKinney - Earthgrains Baking Companies, Inc.

Attachments:

Table 1 – Well Construction Data
Table 2 – Groundwater Elevation Data
Table 3 – Current and Historic Groundwater Analytical Data BTEX and TPH-d
Table 4 – Current and Historic Groundwater Analytical Data Poly-Nuclear Aromatic Hydrocarbons
Figure 1 – Site Location Map
Figure 2 – Site Map Showing Groundwater Elevation Data
Figure 3 – Site Map Showing Groundwater Concentration Data TPH-d
Attachment A – Blaine Tech Services, Inc. Field Report
Attachment B – Kiff Analytical, LLC Laboratory Report

Table 1
Well Construction Data

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

Well ID	Date Installed	Casing Elevation [1] (feet MSL)	Casing Material	Boring Depth (feet BGS)	Well Total Depth (feet BGS)	Well Total Depth (feet MSL)	Boring Diameter (inches)	Casing Diameter (inches)	Slot Size (inches)	Screened Interval (feet BGS)	Filter Pack Interval (feet BGS)	Filter Pack Sand
MW-101	1/19/09	13.90	PVC	28.10	28.05	-14.15	8	2	0.010	18-28	16-28	#2/12
MW-102	1/20/09	14.19	PVC	28.40	28.35	-14.16	8	2	0.010	18-28	16-28	#2/12
MW-103	1/19/09	13.75	PVC	25.00	24.92	-11.17	8	2	0.010	10-25	8-25	#2/12
MW-104	1/20/09	13.65	PVC	25.15	25.10	-11.45	8	2	0.010	10-25	8-25	#2/12
DW-1	1/20/09	14.05	PVC	14.65	14.60	-0.55	12	6	0.020	5-15	3-15	#2/12

Notes:

BGS = below-ground-surface

DW = de-watering well

MSL = mean sea level

PVC = polyvinyl chloride (Schedule 40)

1 = well casing elevations surveyed according to NAVD88 datum by PLS Surveys, Inc.on January 28, 2009

Table 2
Groundwater Elevation Data

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

Well ID	Measurement Date	Well Casing Elevation (feet MSL)[1]	Water Depth From TOC (feet)	Groundwater Elevation (feet MSL)	Well Total Depth (TD) From TOC (feet)	TD Elevation (feet MSL)
MW-101	1/26/09	13.90	8.92	4.98	28.05	-14.15
	4/15/09	13.90	9.43	4.47	27.85	-13.95
	7/22/09	13.90	9.62	4.28	27.81	-13.91
	1/28/10	13.90	7.68	6.22	27.80	-13.90
MW-102	1/26/09	14.19	9.15	5.04	28.35	-14.16
	4/15/09	14.19	9.55	4.64	28.21	-14.02
	7/22/09	14.19	10.02	4.17	28.19	-14.00
	1/28/10	14.19	9.70	4.49	28.15	-13.96
MW-103	1/26/09	13.75	8.69	5.06	24.92	-11.17
	4/15/09	13.75	8.91	4.84	24.74	-10.99
	7/22/09	13.75	9.18	4.57	24.68	-10.93
	1/28/10	13.75	7.75	6.00	24.65	-10.90
MW-104	1/26/09	13.65	8.65	5.00	25.00	-11.35
	4/15/09	13.65	8.87	4.78	24.90	-11.25
	7/22/09	13.65	9.27	4.38	24.91	-11.26
	1/28/10	13.65	8.02	5.63	24.90	-11.25
DW-1	1/26/09	14.05	9.10	4.95	14.60	-0.55
	4/15/09	14.05	9.23	4.82	14.41	-0.36
	7/22/09	14.05	9.50	4.55	14.41	-0.36
	1/28/10	14.05	7.84	6.21	NM	NM

Notes:
DW = de-watering well
MSL = mean sea level
TOC = top of casing
1 = well casing elevations surveyed according to NAVD88 datum by PLS Surveys, Inc.on January 28, 2009

Table 3
Groundwater Analytical Data
BTEX and Total Petroleum Hydrocarbons as Diesel Fuel
Earthgrains Baking Companies, Inc.
955 Kennedy Street
Oakland, California 94606

Well ID	Sample Collection Date	Parameter Concentration (µg/L)				
		Benzene ESL = 46	Toluene ESL = 130	Ethylbenzene ESL = 43	Total Xylenes ESL = 100	TPH-d ESL = 210
MW-101	1/26/09	<0.50	<0.50	<0.50	<0.50	<50
	4/15/09	<0.50	<0.50	<0.50	<0.50	<50
	7/22/09	<0.50	<0.50	<0.50	<0.50	<50
	1/28/10	<0.50	<0.50	<0.50	<0.50	**64**
MW-102	1/26/09	<0.50	<0.50	<0.50	<0.50	**160**
	4/15/09	<0.50	<0.50	<0.50	<0.50	**140**
	7/22/09	<0.50	<0.50	<0.50	<0.50	**120**
	1/28/10	<0.50	<0.50	<0.50	<0.50	**54**
MW-103	1/26/09	<0.50	<0.50	<0.50	<0.50	**80**
	4/15/09	<0.50	<0.50	<0.50	<0.50	<50
	7/22/09	<0.50	<0.50	<0.50	<0.50	<50
	1/28/10	<0.50	<0.50	<0.50	<0.50	**63**
MW-104	1/26/09	<0.50	<0.50	<0.50	<0.50	**100**
	4/15/09	<0.50	<0.50	<0.50	<0.50	**79**
	7/22/09	<0.50	<0.50	<0.50	<0.50	**97**
	1/28/10	<0.50	<0.50	<0.50	<0.50	**68**
DW-1	1/26/09	<0.50	<0.50	<0.50	<0.50	**1,200**
	4/15/09	<0.50	<0.50	<0.50	<0.50	**830**
	7/22/09	<0.50	<0.50	<0.50	<0.50	**1,000**
	1/28/10	NS	NS	NS	NS	NS
DUP	1/26/2009*	<0.50	<0.50	<0.50	<0.50	**1,200**
	4/15/2009*	<0.50	<0.50	<0.50	<0.50	**960**
	7/22/2009*	<0.50	<0.50	<0.50	<0.50	**1,100**
	1/28/2010**	<0.50	<0.50	<0.50	<0.50	<50

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
TPH-d = total petroleum hydrocarbons quantified as diesel
µg/L = micrograms-per-liter

Table 4
Groundwater Analytical Data
Poly-Nuclear Aromatic Hydrocarbons
Earthgrains Baking Companies, Inc.
955 Kennedy Street
Oakland, California 94606

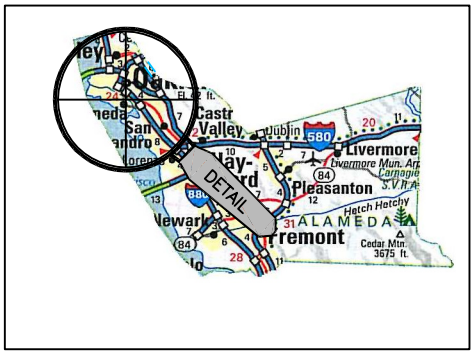
Well ID	Sample Collection Date	Parameter Concentration (µg/L)							
		Naphthalene ESL = 24	Acenaphthylene ESL = 30	Acenaphthene ESL = 23	Fluorene ESL = 39	Phenanthrene ESL = 4.6	Anthracene ESL = 0.73	Fluoranthene ESL = 8.0	Pyrene ESL = 2.0
MW-101	7/22/09	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
	1/28/10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
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
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
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
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
DUP	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

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	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
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
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
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
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
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

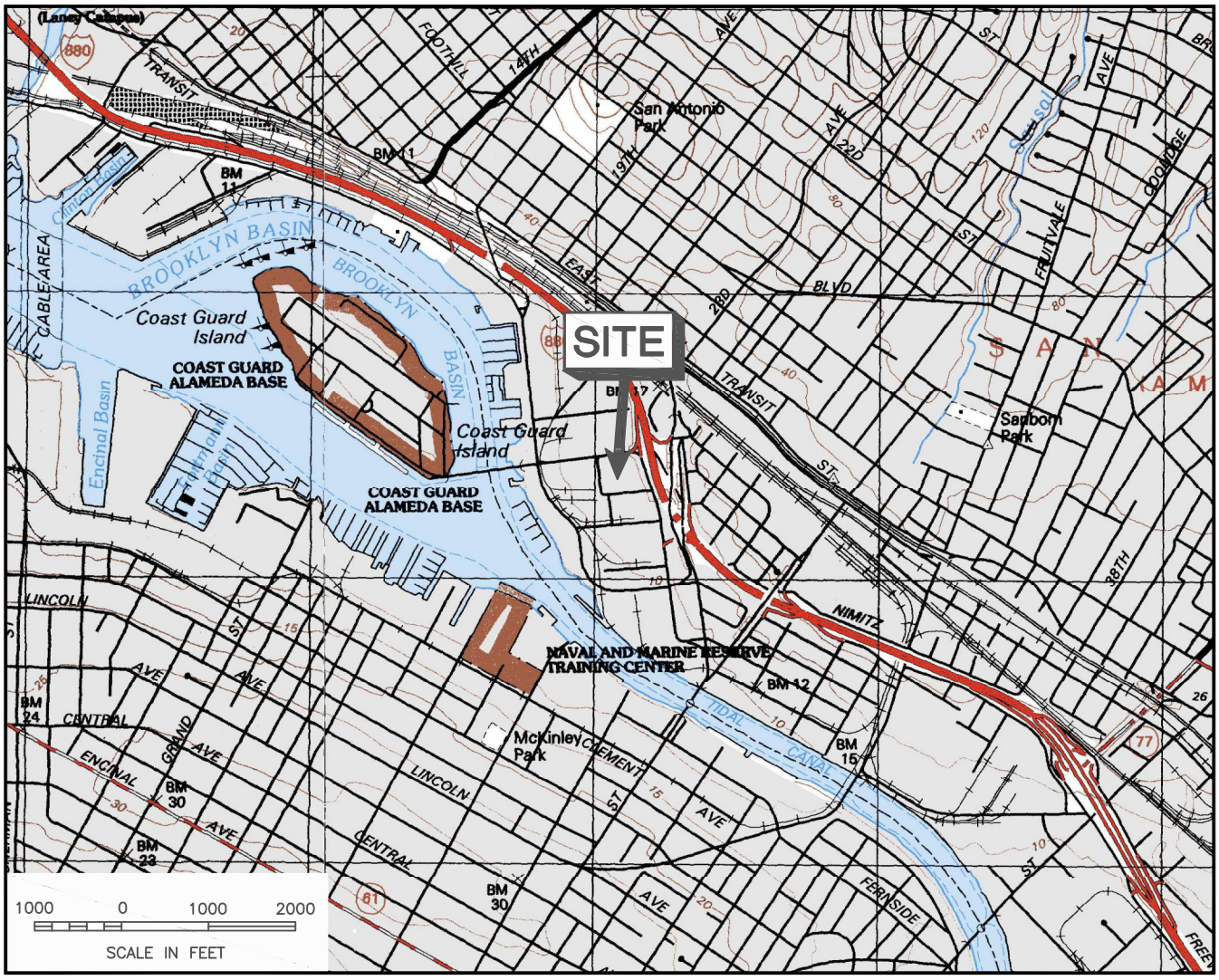
Notes:
*DUP = duplicate sample for DW-1
**DUP = duplicate sample for MW-102
DW = de-watering well
ESL = environmental screening level according to ESL Document Table F-1b
µg/L = micrograms-per-liter

CALIFORNIA

ALAMEDA COUNTY



AREA IN DETAIL

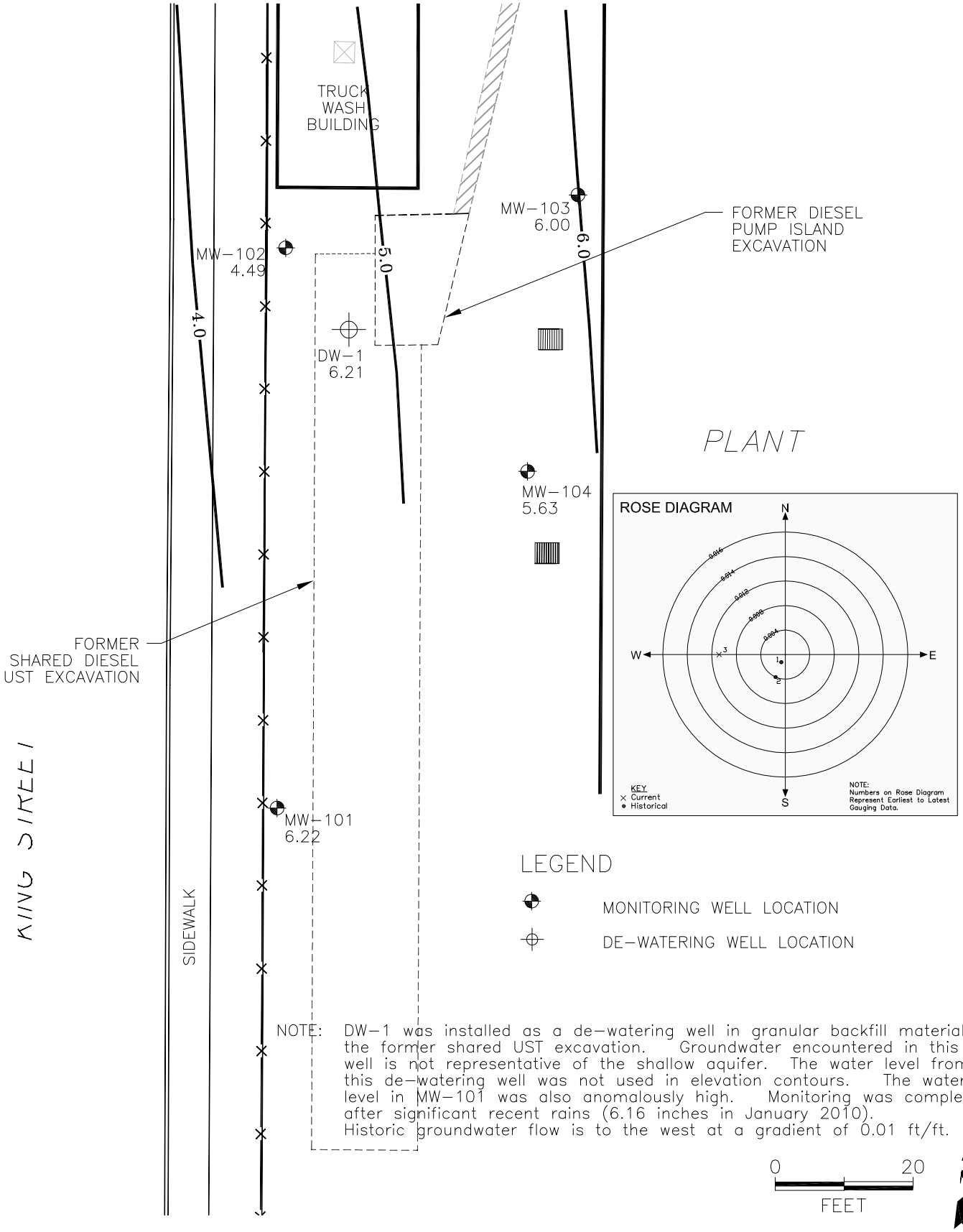


Modified from U.S. Geological Survey, Oakland East & West, California, quadrangle, Photorevised 1997 & 1993.

SCALE IS VARIABLE

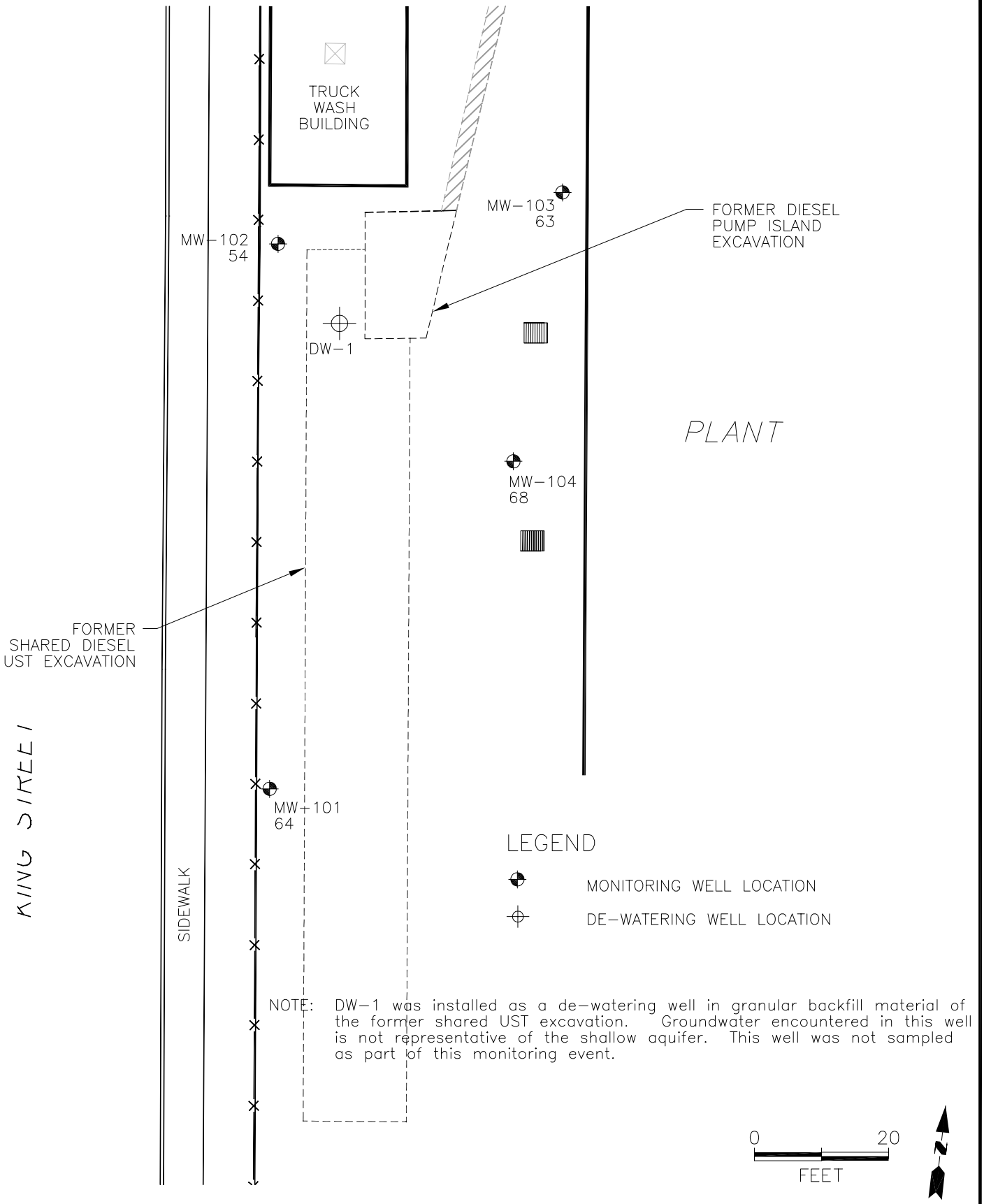
PSC	TITLE: SITE LOCATION MAP 955 KENNEDY STREET OAKLAND, CALIFORNIA 94606	DWN: TMM / DES.: JRC CHKD: / APPD: DATE: 11/18/08 / REV.: 0	PROJECT NO.: 62402797 EARTHGRAINS OAKLAND, CALIFORNIA FIGURE 1

COL 624\02797C--002



TITLE: GROUNDWATER ELEVATION CONTOUR MAP JANUARY 28, 2010	DWN: TMM	DES.: JRC	PROJECT NO.: 62402797 EARTHGRAINS OAKLAND, CALIFORNIA
	CHKD:	APPD:	
	DATE: 2/26/10	REV.: 0	FIGURE 2

COL 624\02797B-012



COL 624\02797B-013

PSC

TITLE:

TPH-d IN GROUNDWATER CONCENTRATION MAP JANUARY 28, 2010

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

PROJECT NO.: 62402797

EARTHGRAINS OAKLAND, CALIFORNIA

FIGURE 3

BLAINE™
TECH SERVICES

January 29, 2010

Scott Jander
PSC Environmental
210 West Sand Bank Rd.
Columbia, Illinois62236

First Quarter 2010 Monitoring at
Earthgrains Bakery
Oakland, CA

Monitoring performed on January 28, 2010

Blaine Tech Services, Inc. Groundwater Monitoring Event 100128-PC1

This submission covers the routine monitoring of groundwater wells conducted on January 28, 2010 at this location. Five monitoring wells were measured for depth to groundwater (DTW) or depth to free product. Four monitoring wells were sampled. All sampling activities were performed in accordance with local, state and federal guidelines.

Water levels measurements were collected using an electronic slope indicator. DW-1 was checked for immiscible liquid with an electronic interface probe All sampled wells were purged of three case volumes, or until water temperature, pH and conductivity stabilized. Purging was accomplished using disposable bailers. Subsequent sample collection and sample handling was performed in accordance with EPA protocols using disposable bailers.

Samples were delivered under chain-of-custody to Kiff Laboratories of Davis, California, for analysis. Monitoring well purgewater and equipment rinsate water was collected and stored onsite in a 55 gallon steel drum.

Enclosed documentation from this event includes copies of the Well Gauging Sheet, Well Monitoring Data Sheets, Wellhead Inspection Form and Chain-of-Custody.

Blaine Tech Services, Inc.'s activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrogeologic conditions or formulation of recommendations was performed.

Please call if you have any questions.

Sincerely,

Pete Cornish
Blaine Tech Services, Inc.
Project Manager

attachments: SOP
Well Gauging Sheet
Individual Well Monitoring Data Sheets
Chain of Custody
Wellhead Inspection Form
Bill of Lading
Calibration Log

H or Purge Water Drum L

Client: PSC @ EARTHGRAINS

Site Address: 955 Kennedy St., Oakland

STATUS OF DRUM(S) UPON ARRIVAL						
Date	4/15/09	7/22/09	01/28/10			
Number of drum(s) empty:	—	—				
Number of drum(s) 1/4 full:	—	—				
Number of drum(s) 1/2 full:	—	—				
Number of drum(s) 3/4 full:	—	—				
Number of drum(s) full:	—	—				
Total drum(s) on site:	0 (BTS)	0	0			
Are the drum(s) properly labeled?	NA	N/A				
Drum ID & Contents:	NA	N/A				
If any drum(s) are partially or totally filled, what is the first use date:	NA	N/A				

- If you add any SPH to an empty or partially filled drum, drum must have at least 20 gals. of Purgewater 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			
Number of drums empty:						
Number of drum(s) 1/4 full:	1					
Number of drum(s) 1/2 full:			1			
Number of drum(s) 3/4 full:						
Number of drum(s) full:	1	1				
Total drum(s) on site:	2 (BTS)	1	1			
Are the drum(s) properly labeled?	Y	Y	Y			
Drum ID & Contents:	Purgewater Non Haz	Purgewater Non Haz				

LOCATION OF DRUM(S)
Describe location of drum(s): Inside Truck wash building next to well MW-10Z

FINAL STATUS						
Number of new drum(s) left on site this event	2	1	1			
Date of inspection:	4/15/09	7-22-09	01/28/10			
Drum(s) labelled properly:	Y	Y	Y			
Logged by BTS Field Tech:	MRDN	FG	RC			
Office reviewed by:	RC	RC	RC			

TEST EQUIPMENT CALIBRATION LOG

PROJECT NAME PSC @ Earthgrains				PROJECT NUMBER 100128-PC1			
EQUIPMENT NAME	EQUIPMENT NUMBER	DATE/TIME OF TEST	STANDARDS USED	EQUIPMENT READING	CALIBRATED TO: OR WITHIN 10%:	TEMP. C°	INITIALS
Myron L Ultrameter	632012	1/28/10 1210	4/7/10pH 3900 µS	399/7.34/9.91 3798	Y	14.60	R

WELLHEAD INSPECTION CHECKLIST

Date 1/28/10 Client PSC

Site Address 955 Kennedy St., Oakland

Job Number 100128-PC1 Technician P. Garnish

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-102	X							
MW-103	X							
MW-101	X							
MW-104	X	X						
DW-1	X							

NOTES:

WELL GAUGING DATA

Project # 100128-PCJ Date 1/28/10 Client PSC

Site Earthgrains, 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 TOC	Notes
MW-104	1215	2					8.02	24.90		
MW-103	1220	2					7.75	24.65		
DW-1	1224	6	No SPH detected				7.84	—		
MW-101	1227	2					7.68	27.80		
MW-102	1230	2					9.70	28.15	↓	

WELL MONITORING DATA SHEET

Project #: 100128-PC1	Client: PSC
Sampler: PC	Start Date: 1/28/10
Well I.D.: MW-101	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 27.80	Depth to Water: 7.68
Before: After:	Before: After:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- Bailer
- (X) Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other____

Sampling Method:

- Bailer
- (X) Disposable Bailer
- Extraction Port
- Dedicated Tubing
- Other:____

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	Conductivity (mS or (µS))	Turbidity (NTU)	Gals. Removed	Observations
1402	19.2	8.34	1075	18	3.2	
1410	18.9	7.01	1064	178	6.4	
1418	18.6	6.87	1062	182	9.6	

Did well dewater? Yes (No) Gallons actually evacuated: 9.6

Sampling Time: 1425 Sampling Date: 1/28/10

Sample I.D.: MW-101 Laboratory: (Kiff) STL

Analyzed for: TPH-G (BTEX) MTBE (TPH-D) Other: PAHs

Equipment Blank I.D.: @ Time Duplicate I.D.:

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
ORP (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 100128-PC1	Client: PSC
Sampler: PC	Start Date: 1/28/10
Well I.D.: MW-102	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 28.15	Depth to Water: 9.70
Before: After:	Before: After:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

Purge Method:

- Bailer
- ✓ Disposable Bailer
- Positive Air Displacement
- Electric Submersible
- Waterra
- Peristaltic
- Extraction Pump
- Other_____

Sampling Method:

- Bailer
- (A) Disposable Bailer
- Extraction Port
- 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	Conductivity (mS or µS)	Turbidity (NTU)	Gals. Removed	Observations
1330	18.2	7.04	1494	78	2.7	
1338	18.5	7.14	1538	500	5.4	
1346	18.6	7.19	1542	>1000	8.1	

Did well dewater? Yes (No) Gallons actually evacuated: 8.1

Sampling Time: 1350 Sampling Date: 1/28/10

Sample I.D.: MW-102 Laboratory: Kiff STL

Analyzed for: TPH-G (BTEX) MTBE (TPH-D) Other: PAHs

Equipment Blank I.D.: @ Time Duplicate I.D.: DUP @ 1400

Analyzed for: TPH-G (BTEX) MTBE (TPH-D) Other: PAHs

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
ORP (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 100128-PC1	Client: PSC
Sampler: PC	Start Date: 1/28/10
Well I.D.: MW-104	Well Diameter: (2) 3 4 6 8 ____
Total Well Depth: 24.90	Depth to Water: 8.02
Before: After:	Before: After:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH

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:____

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

2.7 (Gals.) X 3 = 8.1 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Time	Temp. (°F or (°C))	pH	Conductivity (mS or (µS))	Turbidity (NTU)	Gals. Removed	Observations
1235	17.2	5.99	660.1	292	2.7	
1242	17.4	6.41	666.7	>1000	5.4	
1248	18.3	6.64	668.1	>1000	8.1	
						DTW: 8.07 @ Sample

Did well dewater? Yes (No) Gallons actually evacuated: 8.1

Sampling Time: 1252 Sampling Date: 1/28/10

Sample I.D.: MW104 Laboratory: ~~KAP~~ STL

Analyzed for: TPH-G (BTEX) MTBE (TPH-D) Other: PAHs

Equipment Blank I.D.: @ Time Duplicate I.D.:

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
ORP (if req'd):	Pre-purge:	mV	Post-purge:	mV

WELL MONITORING DATA SHEET

Project #: 100128-PC1	Client: PSC
Sampler: TC	Start Date: 1/28/10
Well I.D.: MW-103	Well Diameter: 2 3 4 6 8 ____
Total Well Depth: 24.65	Depth to Water: 7.75
Before: After:	Before: After:
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: PVC Grade	D.O. Meter (if req'd): YSI HACH

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:_____

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

2.7 (Gals.) X 3 = 8.1 Gals.
1 Case Volume | Specified Volumes | Calculated Volume

Time	Temp. (°F or °C)	pH	Conductivity (mS or µS)	Turbidity (NTU)	Gals. Removed	Observations
1304	17.6	7.02	933.9	>1000	2.7	
1309	17.6	6.99	962.7	>1000	5.4	
1315	17.7	6.98	964.2	>1000	8.1	

Did well dewater? Yes (No) Gallons actually evacuated: 8.1

Sampling Time: 1320 Sampling Date: 1/28/10

Sample I.D.: MW-103 Laboratory: STL kiff

Analyzed for: TPH-G (BTEX) MTBE (TPH-D) Other: PAH's

Equipment Blank I.D.: @ Time Duplicate I.D.:

Analyzed for: TPH-G BTEX MTBE TPH-D Other:

D.O. (if req'd):	Pre-purge:	mg/L	Post-purge:	mg/L
ORP (if req'd):	Pre-purge:	mV	Post-purge:	mV

BLAINE
TECH SERVICES, INC.

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

CHAIN OF CUSTODY BTS # 100128-PC1

CLIENT PSC

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

C = COMPOSITE ALL CONTAINERS

CONDUCT ANALYSIS TO DETECT

LAB KIFF DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
☐ EPA ☐ RWQCB REGION ____
☐ LIA
☐ OTHER

SPECIAL INSTRUCTIONS

Invoice & Report to: PSC Attn: Scott Jander
210 West Sand Bank Rd. Columbia, IL 62236
PSC Project #10000088776
sjander@pscnow.com cc:jcarrow@pscnow.com
Ph. 618-281-1546

SAMPLE I.D.	DATE	TIME	MATRIX S= SOIL W=H_2O	CONTAINERS TOTAL	All vials have HCl preserved	BTEX (8260 B)	TPH-D (8015 M)	PAHs (8310)	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW-101	1/28/10	1425	W	7 5		X	X	X				-01
MW-102		1350	W	7 5		X	X	X				-02
MW-103		1320 1325	W	7 5		X	X	X				-03
MW-104		1252	W	7 5		X	X	X				-04
DUP		1400	W	7 5		X	X	X				-05
TB		1200	W	2 2		X						-06

SAMPLING COMPLETED DATE 1/28/10 TIME

SAMPLING PERFORMED BY P. Cornish

RESULTS NEEDED NO LATER THAN Standard TAT

	DATE	TIME		DATE	TIME
RELEASED BY Patti	1/28/10	1200	RECEIVED BY Patti (Sample Custodian)	1/28/10	1610
RELEASED BY Patti	1/29/10	1125	RECEIVED BY		
RELEASED BY			RECEIVED BY Kiff Analytical	012910	1136

SHIPPED VIA | DATE SENT | TIME SENT | COOLER #

KIFF Analytical LLC

Report Number : 71764
Date : 02/04/2010

Laboratory Results

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

Subject : 6 Water Samples
Project Name : Earthgrains Baking Companies, Inc.
Project Number : 624-0908-0043-J0004
P.O. Number : 10000091579

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,

Joel Kiff

KIFF Analytical LLC

Report Number : 71764
Date : 02/04/2010

Subject : 6 Water Samples
Project Name : Earthgrains Baking Companies, Inc.
Project Number : 624-0908-0043-J0004
P.O. Number : 10000091579

Case Narrative

Matrix Spike/Matrix Spike Duplicate results associated with samples MW-101, MW-102, MW-103, MW-104, DUP, and TB for the analyte Ethylbenzene were affected by the analyte concentrations already present in the un-spiked sample.

KIFF Analytical LLC

Report Number : 71764
Date : 02/04/2010

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

Sample : **MW-101** Matrix : Water Lab Number : 71764-01
Sample Date :01/28/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	01/30/2010
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	01/30/2010
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	01/30/2010
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	01/30/2010
1,2-Dichloroethane-d4 (Surr)	99.4		% Recovery	EPA 8260B	01/30/2010
Toluene - d8 (Surr)	93.8		% Recovery	EPA 8260B	01/30/2010
TPH as Diesel	**64**	50	ug/L	M EPA 8015	02/02/2010
Octacosane (Diesel Surrogate)	96.5		% Recovery	M EPA 8015	02/02/2010

Sample : **MW-102** Matrix : Water Lab Number : 71764-02
Sample Date :01/28/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	01/30/2010
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	01/30/2010
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	01/30/2010
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	01/30/2010
1,2-Dichloroethane-d4 (Surr)	98.9		% Recovery	EPA 8260B	01/30/2010
Toluene - d8 (Surr)	93.7		% Recovery	EPA 8260B	01/30/2010
TPH as Diesel	**54**	50	ug/L	M EPA 8015	02/02/2010
Octacosane (Diesel Surrogate)	99.1		% Recovery	M EPA 8015	02/02/2010

KIFF Analytical LLC

Report Number : 71764
Date : 02/04/2010

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

Sample : **MW-103** Matrix : Water Lab Number : 71764-03
Sample Date :01/28/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	01/30/2010
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	01/30/2010
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	01/30/2010
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	01/30/2010
1,2-Dichloroethane-d4 (Surr)	102		% Recovery	EPA 8260B	01/30/2010
Toluene - d8 (Surr)	95.6		% Recovery	EPA 8260B	01/30/2010
TPH as Diesel	**63**	50	ug/L	M EPA 8015	02/02/2010
Octacosane (Diesel Surrogate)	101		% Recovery	M EPA 8015	02/02/2010

Sample : **MW-104** Matrix : Water Lab Number : 71764-04
Sample Date :01/28/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	01/30/2010
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	01/30/2010
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	01/30/2010
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	01/30/2010
1,2-Dichloroethane-d4 (Surr)	101		% Recovery	EPA 8260B	01/30/2010
Toluene - d8 (Surr)	97.2		% Recovery	EPA 8260B	01/30/2010
TPH as Diesel	**68**	50	ug/L	M EPA 8015	02/01/2010
Octacosane (Diesel Surrogate)	102		% Recovery	M EPA 8015	02/01/2010

KIFF Analytical LLC

Report Number : 71764
Date : 02/04/2010

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

Sample : **DUP** Matrix : Water Lab Number : 71764-05
Sample Date :01/28/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	01/30/2010
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	01/30/2010
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	01/30/2010
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	01/30/2010
1,2-Dichloroethane-d4 (Surr)	99.3		% Recovery	EPA 8260B	01/30/2010
Toluene - d8 (Surr)	97.8		% Recovery	EPA 8260B	01/30/2010
TPH as Diesel	**< 50**	50	ug/L	M EPA 8015	02/01/2010
Octacosane (Diesel Surrogate)	96.2		% Recovery	M EPA 8015	02/01/2010

Sample : **TB** Matrix : Water Lab Number : 71764-06
Sample Date :01/28/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	**< 0.50**	0.50	ug/L	EPA 8260B	01/30/2010
Toluene	**< 0.50**	0.50	ug/L	EPA 8260B	01/30/2010
Ethylbenzene	**< 0.50**	0.50	ug/L	EPA 8260B	01/30/2010
Total Xylenes	**< 0.50**	0.50	ug/L	EPA 8260B	01/30/2010
1,2-Dichloroethane-d4 (Surr)	97.9		% Recovery	EPA 8260B	01/30/2010
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	01/30/2010

Report Number : 71764

Date : 02/04/2010

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	02/01/2010
Octacosane (Diesel Surrogate)	92.0		%	M EPA 8015	02/01/2010
Benzene	< 0.50	0.50	ug/L	EPA 8260B	01/30/2010
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	01/30/2010
Toluene	< 0.50	0.50	ug/L	EPA 8260B	01/30/2010
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	01/30/2010
1,2-Dichloroethane-d4 (Surr)	97.8		%	EPA 8260B	01/30/2010
Toluene - d8 (Surr)	102		%	EPA 8260B	01/30/2010

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

KIFF ANALYTICAL, LLC

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

Report Number : 71764

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 02/04/2010

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	1090	1080	ug/L	M EPA 8015	2/1/10	109	108	0.837	70-130	25
Benzene														
	71760-03	3.6	40.6	40.6	40.8	39.8	ug/L	EPA 8260B	1/30/10	91.7	89.2	2.83	80-120	25
Ethylbenzene														
	71760-03	100	40.3	40.3	129	124	ug/L	EPA 8260B	1/30/10	61.0	49.3	21.2	80-120	25
P + M Xylene														
	71760-03	4.4	39.2	39.2	45.3	43.7	ug/L	EPA 8260B	1/30/10	104	100	4.15	76.8-120	25
Toluene														
	71760-03	1.5	40.3	40.3	39.6	36.8	ug/L	EPA 8260B	1/30/10	94.4	87.3	7.74	80-120	25

KIFF ANALYTICAL, LLC

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

QC Report : Laboratory Control Sample (LCS)

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

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

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	39.8	ug/L	EPA 8260B	1/30/10	97.2	80-120
Ethylbenzene	39.8	ug/L	EPA 8260B	1/30/10	98.3	80-120
P + M Xylene	39.8	ug/L	EPA 8260B	1/30/10	99.2	76.8-120
Toluene	39.8	ug/L	EPA 8260B	1/30/10	105	80-120

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

BLAINE
TECH SERVICES, INC.

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

LAB KIFF 71764 DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
☐ EPA ☐ LIA ☐ OTHER ☐ RWQCB REGION _____

CHAIN OF CUSTODY BTS # 100128-PCI

CLIENT PSC

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

SPECIAL INSTRUCTIONS

Invoice & Report to: PSC Attn: Scott Jander
210 West Sand Bank Rd. Columbia, IL 62236
PSC Project #10000088776
sjander@pscnow.com cc:jcarrow@pscnow.com
Ph. 618-281-1546

CONDUCT ANALYSIS TO DETECT

SAMPLE I.D.	DATE	TIME	MATRIX S= SOIL W=H_2O	CONTAINERS TOTAL	All vials are HCl preserved	C = COMPOSITE ALL CONTAINERS	BTEX (8260 B)	TPH-D (8015 M)	PAHs (8310)	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW-101	1/28/10	1425	W	7			X	X	X				-01
MW-102		1350	W	7			X	X	X				-02
MW-103		1320 1352	W	7			X	X	X				-03
MW-104		1252	W	7			X	X	X				-04
DUP		1400	W	7			X	X	X				-05
TB		1200	W	2			X						-06

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY
	1/28/10		P. Cornish

RESULTS NEEDED NO LATER THAN Standard TAT

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Patti	1/28/10	1302	Patti (Sample Custodian)	1/28/10	1610
Patti	1/29/10	1125			
			Kiff Analytical	012910	1136

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

KIFF Analytical LLC

SAMPLE RECEIPT CHECKLIST

RECEIVER: RLM (Initials)

SRG#: 71764 Date: 012910

Project ID: Earthgrains Baking Companies, Inc.

Method of Receipt: [X] Courier [ ] Over-the-counter [ ] Shipper

COC Inspection

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

Sample Inspection

Coolant Present: [X] Yes [ ] No (includes water)

Temperature °C 1.0 Therm. ID# IR-5 Initial RLM Date/Time 012910/1632 [ ] N/A

Are there custody seals on sample containers?	[ ] Intact	[ ] Broken	[X] Not present	
Do containers match COC? [X] 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	[X] No		
Are any sample containers broken, leaking or damaged?	[ ] Yes	[X] No		
Are preservatives indicated? [ ] Yes, on sample containers	[X] Yes, on COC	[ ] Not indicated	[ ] N/A	
Are preservatives correct for analyses requested?	[X] Yes	[ ] No	[ ] N/A	
Are samples within holding time for analyses requested?	[X] Yes	[ ] No		
Are the correct sample containers used for the analyses requested?	[X] Yes	[ ] No		
Is there sufficient sample to perform testing?	[X] Yes	[ ] No		

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

Receipt Details

Matrix WA	Container type VOA	# of containers received 27
Matrix WA	Container type Amber	# of containers received 10
Matrix	Container type	# of containers received

Date and Time Sample Put into Temp Storage Date: 012910 Time: 1638

Quicklog

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

COMMENTS:

Leaders in Analytical Science and Service

KIFF Analytical LLC

Subcontract Laboratory Report Attachments

2795 Second Street, Suite 300 Davis, CA 95618
tel 530.297.4800 fax 530.297.4808
www.kiffanalytical.com

Calscience
Environmental
Laboratories, Inc.

February 05, 2010

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

Subject: **Calscience Work Order No.:** **10-01-2256**
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 1/30/2010 and analyzed in accordance with the attached chain-of-custody.

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

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

Sincerely,

Amanda Porter

Calscience Environmental
Laboratories, Inc.
Amanda Porter
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 01/30/10
Work Order No: 10-01-2256
Preparation: EPA 3510C
Method: EPA 8310
Units: ug/L

Project: Earthgrains Baking Companies, Inc.

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-101	**10-01-2256-1-A**	**01/28/10 14:25**	**Aqueous**	**HPLC 5**	**02/02/10**	**02/04/10 23:26**	**100202L05**

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	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	45	16-100	

MW-102	10-01-2256-2-A	01/28/10 13:50	Aqueous	HPLC 5	02/02/10	02/04/10 23:58	100202L05

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	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	41	16-100	

MW-103	10-01-2256-3-A	01/28/10 13:20	Aqueous	HPLC 5	02/02/10	02/05/10 00:31	100202L05

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	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	45	16-100	

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

Calscience Environmental Laboratories, Inc.

Analytical Report

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

Date Received: 01/30/10
Work Order No: 10-01-2256
Preparation: EPA 3510C
Method: EPA 8310
Units: ug/L

Project: Earthgrains Baking Companies, Inc.

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW-104	**10-01-2256-4-A**	**01/28/10 12:52**	**Aqueous**	**HPLC 5**	**02/02/10**	**02/05/10 01:03**	**100202L05**

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	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	37	16-100	

DUP	**10-01-2256-5-A**	**01/28/10 14:00**	**Aqueous**	**HPLC 5**	**02/02/10**	**02/05/10 01:36**	**100202L05**

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	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	40	16-100	

Method Blank	**099-07-003-1,458**	**N/A**	**Aqueous**	**HPLC 5**	**02/02/10**	**02/04/10 18:00**	**100202L05**

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	

Surrogates:	REC (%)	Control Limits	Qual
Decafluorobiphenyl	42	16-100	

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

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

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

Date Received: N/A
Work Order No: 10-01-2256
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
099-07-003-1,458	Aqueous	HPLC 5	02/02/10	02/04/10	100202L05

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Naphthalene	64	60	26-170	2-194	7	0-21	
Acenaphthylene	67	63	49-133	35-147	7	0-23	
Acenaphthene	68	64	49-133	35-147	6	0-20	
Fluorene	70	66	56-134	43-147	6	0-17	
Phenanthrene	72	67	59-131	47-143	6	0-18	
Anthracene	64	61	58-136	45-149	6	0-19	
Fluoranthene	70	67	60-132	48-144	3	0-19	
Pyrene	72	71	65-125	55-135	1	0-21	
Benzo (a) Anthracene	73	74	65-137	53-149	2	0-21	
Chrysene	76	77	65-143	52-156	1	0-21	
Benzo (b) Fluoranthene	77	74	67-139	55-151	4	0-22	
Benzo (k) Fluoranthene	75	77	68-140	56-152	2	0-22	
Benzo (a) Pyrene	72	73	62-134	50-146	2	0-22	
Dibenz (a,h) Anthracene	75	74	66-138	54-150	1	0-28	
Benzo (g,h,i) Perylene	74	74	66-138	54-150	0	0-21	
Indeno (1,2,3-c,d) Pyrene	70	71	63-135	51-147	2	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

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 10-01-2256

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
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.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
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.

2256

KIFF Analytical LLC

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. **71764** Page 1 of 1

Chain-of-Custody Record and Analysis Request

Project Contact (Hardcopy or PDF to): Scott Forbes

EDF Report? NO

Company/Address: Kiff Analytical

Recommended but not mandatory to complete this section:

Sampling Company Log Code:

Phone No.: 530-297-4800 FAX No.: 530-297-4808

Global ID:

Project Number: 10000088776 P.O. No.: 71764

Deliverables to (Email Address): inbox@kiffanalytical.com

Project Name: Earthgrains Baking Companies, Inc.

Project Address:

Sample Designation	Sampling Date	Sampling Time	Container / Preservative: 1-L Amber None	Matrix: Water	Analysis Request: PNAs by EPA 8310	TAT: 4-Days	For Lab Use Only
MW-101	01/28/10	14:25	2	X	X	X	1
MW-102	01/28/10	13:50	2	X	X	X	2
MW-103	01/28/10	13:20	2	X	X	X	3
MW-104	01/28/10	12:52	2	X	X	X	4
DUP	01/28/10	14:00	2	X	X	X	5

Relinquished by:	Date	Time	Received by:
Kiff Analytical LLC	012910	1900	
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	1/30/10	0945	COL

Remarks:

Bill to: Accounts Payable

Trac

On Time Delivery For Less

800-334-5000

Call For A Pickup!

Account Number: [redacted] B10246845479

Date: M M D D Y Y

B10246845479

FROM (Company): KIFF ANALYTICAL*

Street Address: 2795 2ND STREET Suite 300

City: DAVIS

State: CA | Zip Code (Required): 95616 | Phone Number: (530)297-4800

PLEASE PRINT IN BLOCK LETTERS with Blue / Black Ink

TO (Company) WE CANNOT DELIVER TO A P.O. BOX: CAL SCIENCE ENVIRONMENTAL

Street Address: 7440 LINCOLN WAY

Suite #: | City: GARDEN GROVE

State: CA | Zip Code (Required): 92841 | Phone Number: 714-895-5494

Recipient's Name: SAMPLE RECEIVING

Shipper's Ref. #: SUBS

Service Options | **Billing Information** | **Weight**

- ☐ SUNRISE - BY 10:30 AM*
- ☐ SUNRISE GOLD - BY 8:00 AM*
- ☐ HEAVYWEIGHT**
- ☒ Saturday Delivery - Extra Charge (see Service Guide for details)
- ☐ HOLD FOR PICKUP
- ☒ [redacted]
- ☐ Declared Value $ (maximum $25,000) [redacted]

- ☒ Bill Shipper's Account
- ☐ Bill Other Acct # [redacted]

- ☐ 8 oz. Letter or
- Weight lbs. (Subject to verification)

Dim weight charge if greater than actual weight

L in. X W in. X H in. ÷225 = ____

- ☐ C.O.D. Amount $, Limit $10,000 (affix C.O.D. tag to package)
- ☐ Secured Payment (Money Order or Certified Check)
- ☐ Unsecured Payment (Company Check or Personal Check)

Shipper's Signature: [signature]

Shipper's Name: T BOOMER

2256

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 10-01-2256

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Kiff DATE: 01/30/10

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

Temperature 2.8 °C + 0.5 °C (CF) = 3.3 °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: OLD

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A Initial: OLD

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Initial: WSC

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ 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	☐	☐	☑
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Correct containers and volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOA**h** ☐VOA**na_2** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☑1AGB ☐1AGB**na_2** ☐1AGB**s**

☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na**

☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na_2** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Summa® **Other:** ☐_____ **Trip Blank Lot#:**_____ **Checked by:** WSC

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

Preservative: h: HCL n: HNO_3 na_2: $Na_2S_2O_3$ Na: NaOH p: H_3PO_4 s: H_2SO_4 znna: $ZnAc_2$+NaOH f: Field-filtered **Scanned by:** WSC