Denis L. Brown

Shell Oil Products US

HSE – Environmental Services
20945 S. Wilmington Ave.
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Jerry Wickham
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Former Shell Service Station
3420 San Pablo Avenue
Oakland, California
SAP Code 139619
Incident No. 98995748
ACHCSA Case No. RO0000006

Dear Mr. Wickham:

The attached document is provided for your review and comment. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

If you have any questions or concerns, please call me at (707) 865-0251.

Sincerely,

Denis L. Brown
Project Manager

CAMBRIA

December 14, 2006

Jerry Wickham
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **Site Investigation Report**
Former Shell-branded/Current Operating Service Station
3420 San Pablo Avenue
Oakland, California
SAP Code No. 139619
Incident #98995748
ACHCSA Case No. RO0000006

Dear Mr. Wickham:

Cambria Environmental Technology, Inc. (Cambria) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) to document the recent site investigation activities at the above referenced site. The purpose of the investigation was to evaluate residual lead concentrations near a former gasoline dispenser and soil gas concentrations around the station building. Cambria followed the scope of work and procedures presented in our June 22, 2006 *Site Investigation Work Plan,* which was approved by the Alameda County Health Care Services Agency (ACHCSA) in their June 29, 2006 letter to Shell.

EXECUTIVE SUMMARY

- Six soil borings were drilled during this investigation: three to assess residual lead concentrations near former dispenser piping, and three to evaluate soil gas concentrations near the station building.

- Soil analytical data indicate that the elevated lead concentrations observed historically in sample P-7 (2,000 mg/kg) are not laterally or vertically extensive.

- Soil vapor sample data (analyzed beyond recommended hold time) indicate that petroleum vapors are not present in the vadose zone near the station building.

SITE DESCRIPTION AND BACKGROUND

This operating service station was previously operated as a Shell service station. It is located at the southeast corner of the 35th Street and San Pablo Avenue intersection in Oakland (Figures 1

Cambria Environmental Technology, Inc.

270 Perkins Street
Sonoma, CA 95476
Tel (707) 935-4850
Fax (707) 935-6649

and 2). Shell sold the station and property in March 2005. Property use in the site vicinity is mixed residential and commercial.

A description of the local hydrology, lithology, and a detailed site history are presented in Attachment A for reference. The results of the current investigation are presented below.

INVESTIGATION RESULTS

Permit: A drilling permit (W2006-0749) was obtained from Alameda County Public Works Agency (Attachment B).

Drilling Dates: October 4, 2006.

Drilling Company: Gregg Drilling.

Personnel: Field Staff Stewart Dalie directed the drilling activities under the supervision of California Professional Geologist Ana Friel.

Drilling Method: Hollow-stem auger.

Number of Borings: Six soil borings (SB-1 through SB-6) were drilled during this investigation. The boring specifications and soil types encountered are described on the boring logs contained in Attachment C. The boring locations are shown on Figure 2.

Boring Depths: Ranged from 7.0 to 9.0 feet below grade (fbg).

Groundwater Depths: Groundwater was first encountered between 5.5 and 8.0 fbg.

Soil Disposal: The soil generated during these field activities were stored on site and covered with plastic sheeting, and were sampled to be profiled for disposal. The analytical results for the disposal of the soil can be found in Attachment D. On November 13, 2006, Manley and Sons Trucking transported approximately 0.20 tons of soil to Allied Waste Industries' Forward Landfill in Manteca,

California for disposal. The disposal documentation is included in Attachment E.

FINDINGS

Soil: The soil chemical analytical data is summarized in Table 1, and total lead results for the soil samples from SB-1 through SB-6 are presented on Figure 3. Laboratory analytical reports are presented in Attachment D.

Soil Vapor: The soil vapor chemical analytical data is summarized in Table 2, and the laboratory analytical report is presented in Attachment D.

DISCUSSION

The purposes of the investigation were to (1) evaluate whether the elevated lead concentration observed in shallow soil at P-7 are vertically or laterally extensive, and (2) evaluate whether the elevated petroleum constituents in groundwater beneath the station building is resulting in soil vapor concentrations that could pose a threat to the breathing zone of the onsite commercial workers in that building.

The sample results from SB-1 through SB-3 show that, although residual petroleum impact is present in the soil near the former dispenser and piping, the associated concentrations of lead are much lower than the concentration observed in one sample from this location historically (2,000 mg/kg). The current concentrations of lead reported in soil samples collected at depths of 2, 5, and 8 fbg ranged from less than 20 mg/kg up to 620 mg/kg. The SFBRWQCB Environmental Screening Level (ESL) for lead in soil is 150 mg/kg for residential land use and 750 mg/kg for commercial land use.

The soil gas samples from SB-4 through SB-6 were analyzed by the laboratory out side of the recommended hold time for the analyses requested. This resulted from the laboratory shipping the samples from one location to another, and not recognizing the hold time until it was too late. Even though it would be out of hold, we directed the laboratory to analyze the samples for qualitative information, since the expense of sample collection had already been incurred. The recommended hold time is 72 hours (3 days) and the samples were analyzed 9 days after collection. The absence of any detectable concentrations of petroleum hydrocarbons in the soil gas samples supports the hypothesis that significant concentrations of petroleum vapors are not

CONCLUSIONS

Based on the results of this investigation, Cambria concludes that the elevated lead at sample P-7 is isolated and does not represent a wide-spread lead issue at this site. Other lead concentrations were below the ESLs for commercial property use.

Although the soil gas samples were analyzed beyond the recommended hold time, the complete absence of petroleum constituents suggests that significant vapors were not present in the samples.

CLOSING

If you have any questions regarding the contents of this document, please call Ana Friel at (707) 268-3812.

Sincerely,
Cambria Environmental Technology, Inc.

Dennis Baertschi
Project Geologist

Ana Friel, PG
Associate Geologist

CAMBRIA

Figures: 1 - Vicinity Map
2 - Site Plan
3 – Lead in Soil Concentration Map

Tables: 1 - Soil Analytical Data Table
2 – Vapor Analytical Data Table

Attachments: A - Site History
B - Permits
C - Boring Logs
D - Certified Analytical Reports
E – Disposal Documentation

cc: Denis Brown, Shell Oil Products US
Shahriar Almasi, Portola Valley Shell, 965 Laurel Glen Drive, Palo Alto, CA 94304
Mike Bowery, Thrifty Oil Co., 13116 Imperial Highway, Santa Fe Springs, CA 90670-0138

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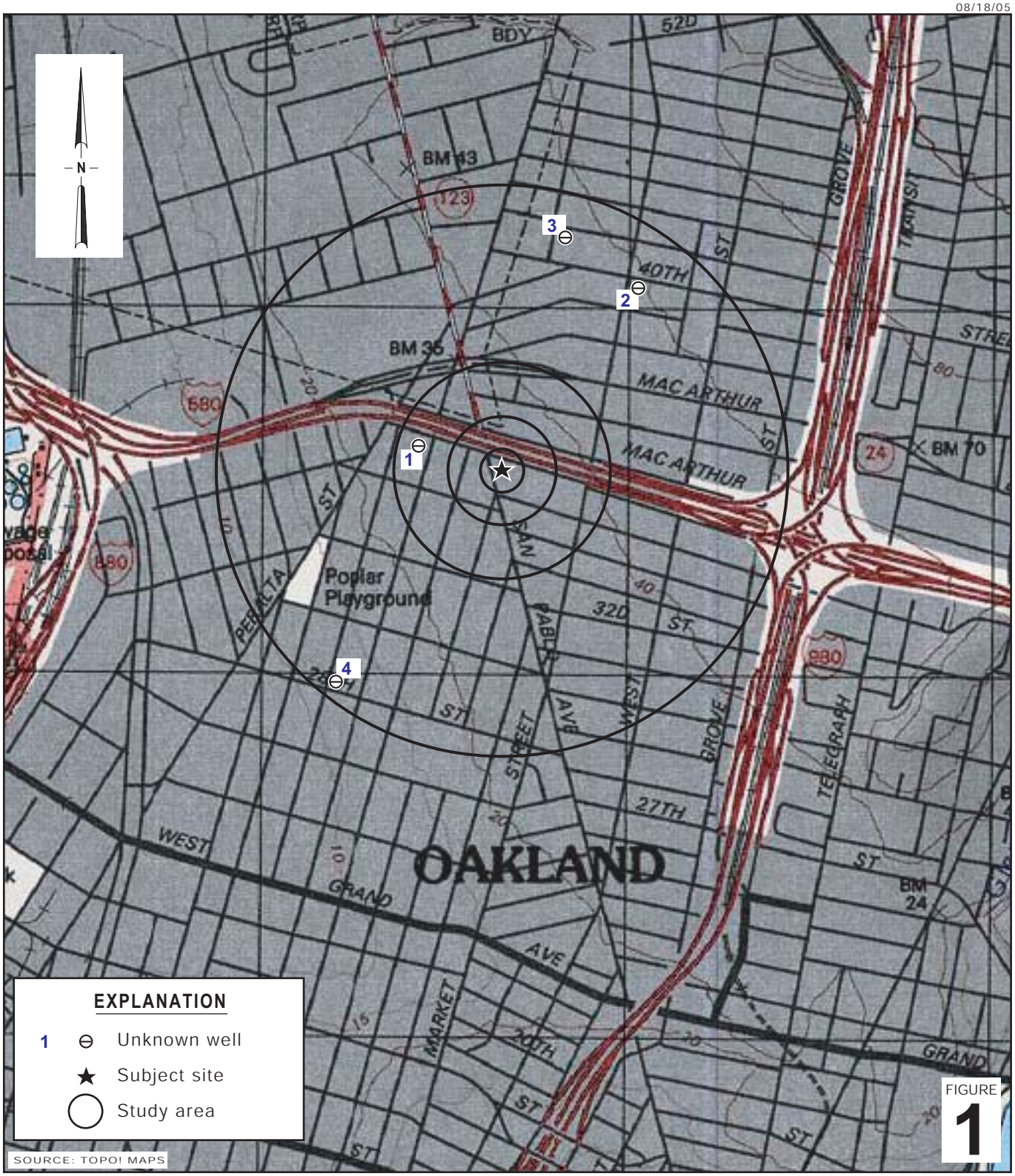

FIGURE
1

G:\OAKLAND3420SANPABLO\FIGURES\VIC-SRS-SURVEY.AI

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

Former Shell/
Current Operating Station
3420 San Pablo Avenue
Oakland, California

CAMBRIA

Vicinity Map

(1/2 Mile Radius)

02-Nov-06

Site Plan

EXPLANATION

- MW-1 — Monitoring well location (Shell)
- MW-3 — Destroyed monitoring well location
- P-1 — Soil sample location (6/97)
- B-1 — Soil boring location (5/89)
- SB-1 — Soil boring location (10/06)
- Storm drain line (SD)
- Sanitary Sewer line (SS)
- Water line (W)
- Overhead electrical line (OHE)
- Storm drain catch basin
- Fire hydrant (FH)
- Flow direction indicator
- Miscellaneous utility vault, as labeled

INTERSTATE 580
35th STREET
34th STREET
SAN PABLO AVENUE
LINDEN STREET
Shell Station
3420 San Pablo
Former Thrifty #049
Current Arco Station
3400 San Pablo
Station building
former building
former dispensers
former dispenser island
former product line
former USTs (rounded)
Existing USTs
dispenser islands
dispensers
550 gal. W/O UST (removed 6/26/97)
RECOVERY SYSTEM CONTROLS
RECOVERY SYSTEM PIPING
OFFICE
trash
planter
EBMUD
PGE MH
median
MW-1
MW-2
MW-2R
MW-3
MW-3R
MW-4
MW-4R
MW-5
MW-6
MW-6R
MW-7
MW-8
MW-9
MW-10
MW-11
RW-1
RW-1R
B-1
B-2
B-3
B-4
B-5
SB1
SB2
SB3
SB-1
SB-2
SB-3
SB-4
SB-5
SB-6
P-1
P-2
P-3
P-4
P-5
P-6
P-7
P-8
Disp-1
Disp-2
TP-N
TP-S
FH
PP
elec.
cable tv
OHE
SS lateral
W
8"ØSS
8"ØW
8"ØSD
12"ØSD
18"ØSD
6"Ø SD
4"Ø SD
FL=25.22
FL=23.82
W=47.0
FL = 21.0

Scale (ft)
0 20 40 80

FIGURE
2

Former Shell/Current Operating Service Station
3420 San Pablo Ave.
Oakland, California

CAMBRIA

0544

07-Dec-06

Lead in Soil Concentration Map

October 4, 2006

EXPLANATION

- MW-1 — Monitoring well location (Shell)
- MW-3 — Destroyed monitoring well location
- P-1 — Soil sample location (6/97)
- B-1 — Soil boring location (5/89)
- SB-1 — Soil boring location (10/06)
- 2.9/4.5' — Lead concentration in mg/kg/depth of sample
- Storm drain line (SD)
- Sanitary Sewer line (SS)
- Water line (W)
- Overhead electrical line (OHE)
- Storm drain catch basin
- Fire hydrant (FH) Flow direction indicator
- Miscellaneous utility vault, as labeled

INTERSTATE 580
35th STREET
SAN PABLO AVENUE
34th STREET
LINDEN STREET
Shell Station
3420 San Pablo
Former Thrifty #049
Current Arco Station
3400 San Pablo
Station building
former building
former dispenser island
former product line
former dispensers
dispensers
dispenser islands
Existing USTs
Former USTs (rounded)
550 gal. W/O UST (removed 6/26/97)
RECOVERY SYSTEM CONTROLS
RECOVERY SYSTEM PIPING
OFFICE
trash
planter
median
EBMUD
PGE MH
FH
elec.
SS lateral
OHE
cable tv
MW-1
MW-2
MW-2R
MW-3
MW-3R
MW-4
MW-4R
MW-5
MW-6
MW-6R
MW-7
MW-8
MW-9
MW-10
MW-11
RW-1
RW-1R
SB1
SB2
SB3
SB-1 620/2.0' 140/5.0' 250/8.0'
SB-2 180/2.0' ND/5.0' ND/8.0'
SB-3 58/2.0' ND/5.0' ND/8.0'
SB-4 ND/4.5'
SB-5 ND/4.5'
SB-6 29/4.5'
TP-N
TP-S
B-1
B-2
B-3
B-4
B-5
P-1
P-2
P-3
P-4
P-5
P-6
P-7
P-8
Disp-1
Disp-2
USTs
8"ØSS
8"ØW
12"ØSD
6"Ø SD
18"ØSD
W
FL=25.22'
FL=23.82'
W 4"Ø
FL = 21.0'

Scale (ft)
0 20 40 80

FIGURE
3

0544

Former Shell/Current Operating Service Station
3420 San Pablo Ave.
Oakland, California

CAMBRIA

Table 1. Soil Analytical Data Table, Former Shell Service Station, 3420 San Pablo Avenue, Oakland, California

Sample	Depth (fbg)	Date Sampled	TPHg (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	Total Lead (mg/kg)
SB-1-2	2	4-Oct-06	<1.0	**0.011**	<0.0050	**0.0058**	**0.017**	**0.0096**	**620**
SB-1-5	5	4-Oct-06	**6.9**	**0.0066**	<0.0050	<0.0050	<0.010	<0.0050	**140**
SB-1-8	8	4-Oct-06	**46,000**	<25	<25	<25	<50	<25	**250**
SB-2-2	2	4-Oct-06	**12,000**	**74**	<25	<25	**82**	<25	**180**
SB-2-5	5	4-Oct-06	**1.8**	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<20
SB-2-8	8	4-Oct-06	**160**	<0.12	<0.12	**2.2**	**1.3**	<0.12	<20
SB-3-2	2	4-Oct-06	**4.7**	**0.058**	**0.0075**	**0.018**	**0.079**	**0.15**	**58**
SB-3-5	5	4-Oct-06	**11,000**	<25	<25	<25	<50	<25	<20
SB-3-8	8	4-Oct-06	**27**	<0.12	<0.12	<0.12	<0.25	<0.12	<20
SB-4-4.5	4.5	4-Oct-06	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<5
SB-5-4.5	4.5	4-Oct-06	**2.9**	<0.0050	<0.0050	<0.0050	<0.010	**0.059**	<5
SB-6-4.5	4.5	4-Oct-06	**7.2**	**0.012**	**0.017**	**0.018**	**0.16**	<0.0050	**29**

Abbreviations and Notes:

fbg = Feet below grade

mg/kg = Milligrams per kilograms

TPHg = Total petroleum hydrocarbons as gasoline

BTEX = Benzene, toluene, ethylbenzene, and xylenes

MTBE = Methyl tertiary butyl ether

Analysis by EPA 8260B

Total Lead Analysis by EPA 6010B

<x = Not detected at reporting limit x

Table 1. Soil Analytical Data Table, Former Shell Service Station, 3420 San Pablo Avenue, Oakland, California

Sample	Depth (fbg)	Date Sampled	TPHg (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	Total Lead (mg/kg)
SB-1-2	2	4-Oct-06	<1.0	**0.011**	<0.0050	**0.0058**	**0.017**	**0.0096**	**620**
SB-1-5	5	4-Oct-06	**6.9**	**0.0066**	<0.0050	<0.0050	<0.010	<0.0050	**140**
SB-1-8	8	4-Oct-06	**46,000**	<25	<25	<25	<50	<25	**250**
SB-2-2	2	4-Oct-06	**12,000**	**74**	<25	<25	**82**	<25	**180**
SB-2-5	5	4-Oct-06	**1.8**	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<20
SB-2-8	8	4-Oct-06	**160**	<0.12	<0.12	**2.2**	**1.3**	<0.12	<20
SB-3-2	2	4-Oct-06	**4.7**	**0.058**	**0.0075**	**0.018**	**0.079**	**0.15**	**58**
SB-3-5	5	4-Oct-06	**11,000**	<25	<25	<25	<50	<25	<20
SB-3-8	8	4-Oct-06	**27**	<0.12	<0.12	<0.12	<0.25	<0.12	<20
SB-4-4.5	4.5	4-Oct-06	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<5
SB-5-4.5	4.5	4-Oct-06	**2.9**	<0.0050	<0.0050	<0.0050	<0.010	**0.059**	<5
SB-6-4.5	4.5	4-Oct-06	**7.2**	**0.012**	**0.017**	**0.018**	**0.16**	<0.0050	**29**

Abbreviations and Notes:

fbg = Feet below grade

mg/kg = Milligrams per kilograms

TPHg = Total petroleum hydrocarbons as gasoline

BTEX = Benzene, toluene, ethylbenzene, and xylenes

MTBE = Methyl tertiary butyl ether

Analysis by EPA 8260B

Total Lead Analysis by EPA 6010B

<x = Not detected at reporting limit x

Table 2. Vapor Analytical Data Table, Former Shell Service Station, 3420 San Pablo Avenue, Oakland, California

Sample	Depth (fbg)	Date Sampled	TPHg (mg/m^3 Air)	B (mg/m^3 Air)	T (mg/m^3 Air)	E (mg/m^3 Air)	X (mg/m^3 Air)	MTBE (mg/m^3 Air)
SB-4-V [a]	4	4-Oct-06	<50	<0.50	<0.50	<0.50	<1.0	<0.50
SB-5-V [a]	4	4-Oct-06	<50	<0.50	<0.50	<0.50	<1.0	<0.50
SB-6-V [a]	4	4-Oct-06	<50	<0.50	<0.50	<0.50	<1.0	<0.50

Abbreviations and Notes:

fbg = Feet below grade

mg/m^3Air = Milligrams per cubic meter

TPHg = Total petroleum hydrocarbons as gasoline

BTEX = Benzene, toluene, ethylbenzene, and xylenes

MTBE = Methyl tertiary butyl ether

Analysis by 8260B

<x = Not detected at reporting limit x

a = Samples were analyzed beyond EPA recommended hold time

Attachment A

Site History

Site History

Former Shell Service Station
Current San Pablo Gas Service Station
3420 San Pablo Avenue
Oakland, California
Revised December, 2006

Background Information

Local Hydrogeology: According to the *East Bay Plain Groundwater Basin Beneficial Use Evaluation Report* (California Regional Water Quality Control Board – San Francisco Bay Region, June 1999), the site is located within the Oakland Sub-Area of the San Francisco Basin of the East Bay Plain. The Oakland Sub-Area contains a sequence of alluvial fans. The alluvial fill ranges in thickness from 300 to 700 feet deep. There are no well-defined aquitards such as the estuarine muds. The largest and deepest wells in this Sub-Area historically pumped 1 to 2 million gallons per day at depths greater than 200 feet. Overall, sustainable yields are low due to low recharge potential. The Merritt Sands in west Oakland was an important part of the early water supply for Oakland. It is shallow (up to 60 feet), and before the turn of the century, septic systems contaminated the water supply wells. Throughout most of the Alameda County portion of the East Bay Plain, from Hayward north to Albany, water level contours show that the groundwater flow direction is from east to west or from the Hayward Fault to San Francisco Bay. Groundwater flow direction generally correlates to topography. Flow direction and velocity are also influenced by buried stream channels that typically are oriented in an east-west direction.

The site elevation is approximately 30 feet above mean sea level. Primary surface water bodies in the site vicinity are the San Francisco Bay (located less than 2 miles west of the site), the Oakland Inner Harbor (approximately 2.0 miles south of the site), and Lake Merritt, a tidal lake (approximately 1.4 miles southeast of the site).

Locally, groundwater generally flows southwest at the site, as shown by groundwater monitoring. According to boring logs for wells constructed before 1998, groundwater was first encountered at depths ranging between 8 and 19 feet below grade (fbg). Following boring advancement and monitoring well installation in some wells, static groundwater depths were generally shallower than the recorded first-encountered groundwater elevations. In 1998, while installing wells MW-3R and MW-6R, groundwater was first encountered at 5.5 fbg. Static depth to water following

well installation was at approximately 6 fbg. Static depth to groundwater in site monitoring wells has ranged from approximately 1.2 to 13.14 fbg since monitoring began in August 1991.

Groundwater quality beneath the site is monitored periodically by 11 monitoring wells (MW-1, MW-2, MW-3R, MW-4, MW-5, MW-6R, MW-7 through MW-11). Monitoring wells MW-3 and MW-6 were abandoned due to construction of a new site building in December 1997, and were replaced by wells MW-3R and MW-6R. Coordinated groundwater monitoring events with the adjacent former Thrifty Oil site are conducted.

Separate-phase hydrocarbons (SPH) have been reported in wells MW-1, MW-2, MW-4, MW-5, MW-6, MW-6R, and MW-7, primarily from 1991 until 1997. Trace amounts of SPH were detected in well MW-6R in 2003, 2004, and 2006.

Soil Lithology: United States Geological Survey (USGS) publications and maps indicate that the site area is underlain by Holocene era alluvial fan and fluvial deposits (symbol Q_{haf}) (*Areal and Engineering Geology of the Oakland West Quadrangle, California,* D.H. Radbruch, USGS, *Miscellaneous Geological Investigations, Map I-239,* 1957, and *Geologic Map and Map Database of the Oakland Metropolitan Area, Alameda, Contra Costa, and San Francisco Counties, California*, USGS R.W. Graymer, 2000). Boring logs have indicated that the site is underlain by silty clay, sandy clay, and gravelly sand to the total explored depth of 31.5 fbg (cross-sections of the site have been prepared to illustrate the subsurface lithology and groundwater elevations).

Previous Work

1984 Dispenser Leak: In December 1984, gasoline-saturated soil was discovered beneath the pump island area. A review of inventory records indicated a loss of approximately 2,500 gallons of super-unleaded and 1,500 gallons of regular gasoline.

1985 Tank Replacement: In January 1985, the steel underground storage tanks (USTs) and product lines were replaced with double-walled fiberglass tanks and product lines.

1988 Soil Borings: In August 1988, Ensco Environmental Services, Inc. drilled five soil borings (B-1 though B-5) to a maximum depth of 20.5 fbg. Total petroleum hydrocarbons as gasoline (TPHg) and benzene were detected at maximum concentrations of 1,400 parts per million (ppm) and 1.9 ppm, respectively, at 5 fbg in boring B-1, located at the north end of the UST pit.

1989 Monitoring Well Installations: In April 1989, Delta Environmental Consultants (Delta) drilled and installed four on-site monitoring wells (MW-1 though MW-4). TPHg and benzene were detected at maximum concentrations of 850 ppm and 1.2 ppm, respectively, at 5.5 fbg in well MW-1, located adjacent to soil boring B-1.

1990 Monitoring Well Installations: In January 1990, Delta drilled and installed four additional on-site monitoring wells (MW-5 though MW-8) and one off-site well (MW-9). Monitoring well MW-5 was drilled to a depth of 26.5 fbg, and monitoring wells MW-6 though MW-9 were drilled to depths of 21.5 fbg. TPHg was detected at a maximum concentration of 6.1 ppm in soil collected from 10.5 fbg in off-site well MW-9. The maximum benzene concentration of 0.078 ppm was detected in the soil sample collected from 5.5 fbg in well MW-7.

1991 Monitoring Well Installations: In October 1991, Delta drilled and installed off-site monitoring wells MW-10 and MW-11. TPHg and benzene were detected at maximum concentrations of 1.8 ppm and 0.06 ppm, respectively, in the soil sample collected at 10 fbg in well MW-10.

1991 - 1993 SPH Recovery: Between October 23, 1991 and April 3, 1994, SPH was found in monitoring wells MW-1 through MW-7 at various times during groundwater monitoring. An estimated 20.17 pounds of SPH were removed by bailing.

1993 Soil Vapor Extraction Test: Weiss Associates (WA) conducted a soil vapor extraction (SVE) test of wells MW-1, MW-2, MW-4, and MW-6 to assess the potential SVE recovery of vapor-phase hydrocarbons. Initially, a 15-minute test of each well was conducted, and wells MW-1 and MW-6 were selected for longer term testing. Testing at applied vacuums ranging from 40 to 64 inches of water resulted in vapor flow rates from 8 to 19 standard cubic feet per minute. Based on laboratory analytical results, the hydrocarbon concentrations in soil vapor ranged from 1,400 to 4,500 parts per million by volume (ppmv) TPHg. No benzene was detected in the extracted soil vapor. A methane concentration of 9,000 ppmv was detected in vapors from MW-6. Mass removal rates from 7 to 32 pounds TPHg per day were estimated from the results. WA stated that vapor flow rates would be limited by groundwater upwelling in the extraction wells as a result of the applied vacuum.

1997 Station Renovation, Waste Oil Tank Removal, and Soil Sampling: In 1997, renovations of the station began. The station building, a 550-gallon waste oil UST, and two gasoline dispensers and associated piping were removed from the site. Two adjacent residential buildings were demolished, and the site was regraded in preparation for future construction.

As described in Cambria's December 5, 1997 *Waste Oil Tank Removal and Gasoline Dispenser/Pipeline Removal Soil Sampling Report*, 2 soil samples were collected from the sidewalls of the waste oil tank pit, and 10 soil samples were collected from beneath the former dispensers and gasoline product piping on June 26, 1997. TPHg was detected at a maximum concentration of 120 ppm in product piping sample P-8 at 2.5 fbg. The maximum benzene concentration of 0.13 ppm was detected at 2.5 fbg in piping sample P-1.

1998 Risk-Based Corrective Action (RBCA) Analysis: In June 1998, Cambria prepared a RBCA analysis for the site to determine the potential risks posed by residual hydrocarbons in soil and groundwater underlying the site. Cambria's Tier 2 risk assessment demonstrated that the risk associated with exposure to hydrocarbons in soil and groundwater beneath the new on-site building were acceptable. Specifically, benzene concentrations in soil and groundwater beneath the vicinity of the building were found to be below the Tier 2 California Environmental Protection Agency site-specific target levels. The analysis found that no further remediation action was warranted.

1998 Construction Activities: In 1998, construction of the new station building was completed. In Cambria's April 27, 1998 *First Quarter 1998 Monitoring Report*, Cambria proposed installing perforated plastic piping into the gravel base beneath the foundation of the site building. The piping was intended to remove hydrocarbon vapors should they accumulate beneath the building. The piping was installed as proposed. Pea gravel from above the USTs, and soil excavated during grading and footing excavation was sampled, profiled for disposal, removed from the site, and transported to an appropriate disposal facility. Groundwater was pumped from the building foundation excavations to allow construction.

1998 Well Abandonment: As part of site construction activities, monitoring wells MW-3 and MW-6 were abandoned to accommodate the new site building, as reported in Cambria's March 18, 1998, *Well Abandonment Report.* Gregg Drilling & Systems, Inc. of Martinez, California abandoned the wells by pressure grouting on December 5, 1997.

1998 Monitoring Well Installations: The new building constructed at the site covered previously installed monitoring wells MW-3 and MW-6. As described in Cambria's July 1, 1998 *Well Installation Report*, replacement wells MW-3R and MW-6R were installed in June 1998. Because data had been collected during previous well installations, no soil samples were submitted for chemical analysis during this investigation.

2001 Sensitive Receptor Survey (SRS), Conduit Study, and SCM: In 2001, Cambria conducted a search for wells within a ½-mile radius using California Department of Water Resources (DWR) well records. The study was reported in Cambria's July 6, 2001, *Second Quarter 2001*

Monitoring Report. The nearest well identified in the survey was reported to be a 97-foot-deep irrigation well located approximately 700 feet west of the site. In January 2002, a representative for the property owner indicated to Cambria that the well had not been used in decades and was scheduled for destruction. The site where the well was located, the former City of Paris Cleaners at 3516 Adeline Street, is also an open Leaking Underground Fuel Tank site overseen by ACHCSA.

Cambria performed a utility conduit survey to determine the location of potential groundwater preferential pathways in the site vicinity. Results of the 2001 conduit study were presented in Cambria's July 6, 2001 *Second Quarter 2001 Monitoring Report.* The utility survey consisted of reviewing maps and plans acquired from the City of Oakland Engineering Department and the East Bay Municipal Utility District (EBMUD), and conducting a site visit to visually identify utilities in the vicinity.

Utility survey results indicate that San Pablo Avenue is underlain by two southward flowing 8-inch-diameter sanitary sewer pipes, an 18-inch-diameter southward-flowing storm drain, and two water lines. A water line and a westward flowing, 8-inch-diameter sanitary sewer lines are located beneath 35th Street. Three electrical utility vault boxes, possibly associated with traffic control signals, and one Pacific Bell (SBC) utility vault are located in the sidewalk near the southeast corner of San Pablo Avenue and 35th Street. EBMUD utility vault boxes are located in the sidewalks of both 35th Street (near the northeastern corner of the site) and San Pablo Avenue (near the southern edge of the property). Two cable television utility vaults are located in the sidewalk of 35th Street near the northwest corner of the property.

City of Oakland engineering maps of the area indicate that the sanitary sewer lines are typically buried at approximately 6 to 7 fbg and that the flow-line elevation of the sanitary sewer line beneath 35th Street ranges from 23.82 to 25.22 feet above mean sea level (amsl). Storm drains in the area are typically buried at approximately 7 to 9 fbg, and the flow-line elevation of the storm drain beneath San Pablo Avenue is approximately 21 feet amsl. The exact depths to water mains were not available, but according to EBMUD, the lines are typically buried 8 fbg to the top of the pipe. Based on this information, the back-filled trenches of the sanitary sewer, storm drain, and water lines are likely to be deeper at times than the groundwater surface and may potentially affect groundwater flow.

Cambria's *Second Quarter 2001 Monitoring Report* included an SCM which summarized the environmental conditions and findings of the well survey and conduit study.

2002 Off-Site Well Installation Attempt: Cambria's March 6, 2002 *Well Installation Work Plan* proposed installing an off-site monitoring well to 20 fbg in the San Pablo Avenue median strip to

further define the extent of methyl tertiary butyl ether (MTBE) at the site. On October 24, 2002, Cambria attempted to install the well within San Pablo Avenue opposite the southerly site property line. A concrete road base was encountered, and Cambria could not complete the well installation. Cambria contacted the City of Oakland Department of Public Works for more information about the street construction of the concrete road base. Due to safety considerations, Cambria did not make an additional attempt to install this well through the concrete road base. Cambria's *First Quarter 2003 Monitoring Report* discusses the attempted well installation effort.

2004 Agency Response Letter: In an April 12, 2004 *Agency Response* letter, Cambria responded to comments included in ACHCSA's March 9, 2004 letter to Shell. The letter requested that a feasibility study and corrective action plan (FS/CAP) be prepared for this site, and requested response to five technical comments. Shell and Cambria agreed that the Shell site's environmental status should be reviewed. However, Cambria recommended that prior to preparing an FS/CAP, a revised SCM (to update the 2001 SCM) should be developed and validated to formulate an appropriate plan for achieving closure.

2004 File Reviews and Requests for Thrifty Records: Prior to receiving the April 12, 2004 ACHCSA letter, Cambria had completed a cursory file review of ACHCSA's records for the former Thrifty Oil site on November 20, 2003. Cambria had also reviewed data available from the Geotracker website. From the ACHCSA records reviewed at the time, it appeared that Thrifty had recently completed some investigation work. Cambria's review of the Geotracker website indicated that only groundwater monitoring and limited soil analytical data were available for the former Thrifty Oil site. Since Cambria believed it was necessary to include the most current Thrifty site data in the SCM, on May 14, 2004 Cambria requested that Thrifty Oil provide copies of reports, including well survey data, current site maps, cumulative soil and groundwater data, and soil boring and well construction logs. After multiple requests, Thrifty told Cambria that they would provide copies of the requested information. Thrifty provided groundwater monitoring water level and chemical concentration data dating back to 1992; however, after further repeated requests, Thrifty stated they would be unable to provide any additional data. Therefore, Cambria conducted a more detailed ACHCSA file review on August 19, 2004 to obtain the additional information contained in this report.

2004 Revised Well Survey and SRS: In 2004, an SRS was conducted to update Cambria's previously completed 2001 SRS. Four possible receptor wells within a ½-half mile radius of the subject site were identified through the DWR records. The closest identified well to the site is Well 1, a 97-foot-deep well of unknown use located approximately 700 feet west and cross-

gradient of the site. As stated above, in January 2002, a representative for the property owner indicated to Cambria that the well had not been used in decades and was scheduled for destruction. The site where the well was located, the former City of Paris Cleaners at 3516 Adeline Street, is also an open Leaking Underground Fuel Tank site overseen by ACHCSA.

The other closest identified down-gradient well to the site is Well 4, a 215-foot-deep well of unknown use or ownership, located approximately 2,500 feet to the southwest. Site inspection of the approximate location in 2004 indicated three vacant lots and one unidentified building. Well 2 was a 108-foot well of unknown use, reportedly originally owned by a bakery, located approximately 2,000 feet to the northwest and upgradient of the site. Well 3 is a 510-foot well of unknown use, reportedly originally owned by a laundry. The exact location of Well 1 is uncertain due to incomplete records, but it is believed to be located upgradient of the site, about 2,000 feet to the north-northwest.

From this revised well survey and SRS, Cambria concludes that there are no known groundwater production wells or known shallow or deep groundwater users within ½ mile of the site.

2006 Water Leak Investigation and Risk Evaluation: Leaking irrigation lines and infiltration of water into a significant crack noted in well MW-8 were found to be the cause of groundwater mounding previously noted near this well. Cracks were also observed in the top of wells MW-5 and MW-9.

In order to evaluate potential risks from residual soil and groundwater impacts at this site to human health and environment, Cambria identified and evaluated plausible routes of exposure and possible receptors near or on the site. For applicable scenarios, Cambria evaluated the available analytical data in comparison with the applicable Environmental Screening Levels (ESLs) published in the San Francisco Bay Regional Water Quality Control Board's *Screening For Environmental Concerns At Sites With Contaminated Soil and Groundwater* (Interim Final – February 2005).

The three potential scenarios identified by Cambria are presented below along with conclusions and recommendations:

- ***Evaluation of Risk to Onsite Commercial Workers – Indoor Air:***

  Cambria concluded that, the residual soil and groundwater impacts near and beneath the station building did not pose a threat to onsite receptors or commercial workers by migration of vapors to indoor air, for those constituents where ESLs are provided. For TPHg, there is currently no ESL established to evaluate the potential impact to indoor commercial air, and the use of specific soil gas samples is recommended for some cases. Because well MW-6R periodically contains separate phase hydrocarbons, and because the TPHg concentrations in groundwater are elevated near the station building, **the collection of soil gas samples near the perimeter of the station building is warranted** to obtain actual soil gas data, and thus conclude this risk evaluation.

- ***Evaluation of Risk to Onsite Construction Workers***

  Based on the data, only one sample (sample P-7, 1997) containing total lead exceeded the ESL for the construction worker. A review of the lead data from other samples at this site shows that this one result appears to be anomalous and is not associated with significant petroleum constituents, and thus does not appear to be a result of the petroleum release. Based on the presence of elevated lead in the vicinity of P-7, a Risk Management Plan might be prudent for future construction work in this area so that contractors are made aware of the possible presence of lead in soil.

- ***Evaluation of Risk to Offsite Receptors from Impacted Groundwater***

  Since impacted groundwater exists offsite at well MW-10, the data from MW-10 was evaluated. Based on the data, the groundwater at MW-10 does not exceed any of the ESLs for protection of indoor commercial air. Since there are no ESLs for TPHg or TBA, site specific soil gas sampling is recommended in some cases. At this time, Cambria does not recommend performing soil gas sampling at any offsite locations given the low concentrations of volatile constituents in groundwater offsite and the relatively low concentration of TPHg found offsite. If results from the onsite soil gas sampling efforts (recommended above) indicate that migration of vapors is occurring through the clayey subsurface and exceeds ESLs for soil gas samples onsite, then performing soil gas sampling at the offsite location would be prudent.

The details were reported in Cambria's March 28, 2006, *Groundwater Monitoring Report- First Quarter 2006, Water Leak Investigation, and Risk Evaluation,* in which Cambria recommended that well MW-8 be destroyed, and that soil gas sampling around the onsite station building be conducted to assess the concentrations of petroleum constituents in soil gas beneath the building. In correspondence from ALCHCSA dated April 14, 2006, the Agency concurred with Cambria's recommendations and also requested that the residual lead concentrations near the former

gasoline dispenser be investigated. Cambria submitted a June 22, 2006 *Site Investigation Work Plan* to present the details scope of work recommended and requested above, which was approved by ALCHCSA in correspondence dated June 29, 2006.

June 2006 Well Repairs and Destruction: The cracks noted in wells MW-5 and MW-9 were repaired by Blaine Tech Services, Inc. Well MW-8 was destroyed by pressure grouting on June 2, 2006, owing to a unrepairable crack that extended to at least 6 feet below grade. The details were reported in Cambria's June 23, 2006, *Groundwater Monitoring Report- Second Quarter 2006 and Well Destruction Report (MW-8).*

Groundwater Monitoring: Groundwater monitoring has been conducted at the site since 1991. The highest TPHg, benzene and MTBE concentrations detected in groundwater monitoring samples collected at the site were 2,700,000 parts per billion (ppb), 15,000 ppb, and 50,000 ppb, respectively. Monitoring results for the Fourth quarter 2006 indicate that the current highest TPHg, benzene, and MTBE concentrations in site monitoring wells are 127,000, 2,490, and 233 ppb, respectively.

Attachment B

Permit

Alameda County Public Works Agency - Water Resources Well Permit

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

Application Approved on: 08/30/2006 By jamesy

Permit Numbers: W2006-0749
Permits Valid from 10/04/2006 to 10/04/2006

Application Id:	1156887827022	**City of Project Site:**	Oakland
Site Location:	3420 San Pablo Avenue, Oakland, CA 94608		
Project Start Date:	10/04/2006	**Completion Date:**	10/04/2006
Applicant:	Cambria Environmental - Stu Dalie 5900 Hollis St. #A, Emeryville, CA 94608	**Phone:**	510-420-3339
Property Owner:	Shell Oil Products (US) 20945 Wilmington, Carson, CA 90810	**Phone:**	707-865-0251
Client:	** same as Property Owner **		

	Total Due:	$200.00
Receipt Number: WR2006-0395	**Total Amount Paid:**	$200.00
Payer Name : Cambria	Paid By: CHECK	**PAID IN FULL**

Works Requesting Permits:

Borehole(s) for Investigation-Contamination Study - 6 Boreholes
Driller: Gregg Drilling - Lic #: 485165 - Method: other **Work Total: $200.00**

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2006-0749	08/30/2006	01/02/2007	6	2.00 in.	10.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site.

2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

4. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

5. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

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

Attachment C

Boring Logs

Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SB-1
JOB/SITE NAME	3420 San Pablo Blvd	**DRILLING STARTED**	04-Oct-06
LOCATION	Oakland Ca	**DRILLING COMPLETED**	04-Oct-06
PROJECT NUMBER	248-0554-009	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3"	**SCREENED INTERVAL**	NA
LOGGED BY	S. Dalie	**DEPTH TO WATER (First Encountered)**	5.5 ft (04-Oct-06) ▽
REVIEWED BY	A. Friel	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							ASPHALT	1.0	
25		SB-1-2 7:30			ML		**SILT With Sand and Gravel (ML)**; black (10RY 2/1); damp; 70% silt, 15% fine-grained sand, 15% fine gravel.	3.0	
140		SB-1-5 7:45		5	CL		**CLAY (CL)**; black (10YR 2/1); damp; 40% clay, 40% silt, 10% fine-grained sand, 10% coarse gravel; low plasticity. ▽	6.0	
30		SB-1-8 8:00			ML		**SILT No Sand (ML)**; black (10YR 2/1); SAT; 25% clay, 60% silt, 15% gravel. @ 7 fbg; **SILT With Organic (ML)**; black (10YR 2/1); SAT; 10% clay, 80% silt, 10% fine gravel.	9.0	Bottom of Boring @ 9 ft

WELL LOG (PID) \\10CAMENVDC\SONOMA.SHELL\OAKLAND 3420 SAN PABLO\GINT\3420_SAN_PABLO.GPJ DEFAULT.GDT 10/31/06

Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME Shell Oil Products US
JOB/SITE NAME 3420 San Pablo Blvd
LOCATION Oakland Ca
PROJECT NUMBER 248-0554-009
DRILLER Gregg Drilling
DRILLING METHOD Hollow-stem auger
BORING DIAMETER 3"
LOGGED BY S. Dalie
REVIEWED BY A. Friel
REMARKS

BORING/WELL NAME SB-2
DRILLING STARTED 04-Oct-06
DRILLING COMPLETED 04-Oct-06
WELL DEVELOPMENT DATE (YIELD) NA
GROUND SURFACE ELEVATION Not Surveyed
TOP OF CASING ELEVATION NA
SCREENED INTERVAL NA
DEPTH TO WATER (First Encountered) NA
DEPTH TO WATER (Static) NA

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							ASPHALT	1.0	
90		SB-2-2 8:15			ML		**SILT (ML)**; black (GLEY1 2.5/1); damp; 80% silt, 20% fine-grained sand.	3.0	
100		SB-2-5 8:30		5	GC		**SILT With Gravel And Sand (GC)**; green black (GLEY1 2.5/56y); damp; 10% clay, 60% silt, 10% fine-grained sand, 20% fine gravel.		
530		SB-2-8 8:45					@7 fbg; green gray (GLEY1 3/1); damp; 10% clay, 40% silt, 20% medium-grained sand, 30% fine gravel.	9.0	Bottom of Boring @ 9 ft

WELL LOG (PID) \\10CAMENVDC\SONOMA SHELL\OAKLAND 3420 SAN PABLO\GINT\3420_SAN_PABLO.GPJ DEFAULT.GDT 10/31/06

Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SB-3
JOB/SITE NAME	3420 San Pablo Blvd	**DRILLING STARTED**	04-Oct-06
LOCATION	Oakland Ca	**DRILLING COMPLETED**	04-Oct-06
PROJECT NUMBER	248-0554-009	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3"	**SCREENED INTERVAL**	NA
LOGGED BY	S. Dalie	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	A. Friel	**DEPTH TO WATER (Static)**	NA
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							ASPHALT	1.0	
75		SB-3-2 9:00			ML		**SILT (ML)**; black (10YR 3/1); damp; 20% clay, 60% silt, 10% fine-grained sand, 10% fine gravel.		
120		SB-3-5 9:15		5	GC		**Gravely SILT With Coarse Sand (GC)**; dark green gray (GLEY 1 4/3); damp; 20% clay, 50% clit, 20% fine-grained sand, 10% fine gravel.	5.0	
59		SB-3-8 9:30					@ 8 fbg; 50% silt, 30% coarse-grained sand, 20% coarse gravel.	9.0	Bottom of Boring @ 9 ft

WELL LOG (PID) \\10CAMENVDC\SONOMA.SHELL\OAKLAND 3420 SAN PABLO\GINT\3420_SAN_PABLO.GPJ DEFAULT.GDT 10/31/06

Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SB-4
JOB/SITE NAME	3420 San Pablo Blvd	**DRILLING STARTED**	04-Oct-06
LOCATION	Oakland Ca	**DRILLING COMPLETED**	04-Oct-06
PROJECT NUMBER	248-0554-009	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3"	**SCREENED INTERVAL**	NA
LOGGED BY	S. Dalie	**DEPTH TO WATER (First Encountered)**	7.0 ft (04-Oct-06) ▽
REVIEWED BY	A. Friel	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							ASPHALT	1.0	
					ML		**SILT (ML)**; black (10YR 3/1); damp; 35% clay, 55% silt, 10% coarse gravel; low plasticity.		
285		SB-4-V SB-4-4.5 10:85		5	CL		**CLAY (CL)**; black (10YR 3/1); damp; 40% clay, 40% silt, 20% fine gravel; medium plasticity.	5.0 6.0	
					GM		**Silty GRAVEL With Sand (GM)**; dark gray (GLEY 1); damp; 30% silt, 20% medium-grained sand, 50% fine gravel. ▽ @ 8 fbg; 20% silt, 20% medium-grained sand, 60% coarse gravel.	9.0	Bottom of Boring @ 9 ft

WELL LOG (PID) \\10CAMEN\DC\SONOMA.SHELL\OAKLAND 3420 SAN PABLO\GINT\3420_SAN_PABLO.GPJ DEFAULT.GDT 10/31/06

Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SB-5
JOB/SITE NAME	3420 San Pablo Blvd	**DRILLING STARTED**	04-Oct-06
LOCATION	Oakland Ca	**DRILLING COMPLETED**	04-Oct-06
PROJECT NUMBER	248-0554-009	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3"	**SCREENED INTERVAL**	NA
LOGGED BY	S. Dalie	**DEPTH TO WATER (First Encountered)**	8.0 ft (04-Oct-06) ▽
REVIEWED BY	A. Friel	**DEPTH TO WATER (Static)**	NA ▼
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							ASPHALT	1.0	
							HARD ROCK, COARSE GRAVEL	2.0	
					ML		**SILT With Fine Gravel (ML)** ; black; damp; 20% clay, 70% silt, 10% fine gravel.		
		SB-5-V 10:45 SB-5-4.5 11:00		5			@ 4 fbg **SILT With Sand (ML)**; 20% clay, 70% silt, 10% coarse-grained sand.	5.0	
					SM		**Silty SAND (SM)**; green gray; damp; 30% silt, 50% fine-grained sand, 20% fine gravel.		
							▽	8.0	
							@ 8 fbg; 10% silt, 40% coarse-grained sand, 50% coarse gravel.		Bottom of Boring @ 8 ft

WELL LOG (PID) \\10CAMENVDC\SONOMA.SHELL\OAKLAND 3420 SAN PABLO\GINT\3420_SAN_PABLO.GPJ DEFAULT.GDT 10/31/06

Cambria Environmental Technology, Inc.
5900 Hollis Street, Suite A
Emeryville, CA 94608
Telephone: 510-420-0700
Fax: 510-420-9170

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	**BORING/WELL NAME**	SB-6
JOB/SITE NAME	3420 San Pablo Blvd	**DRILLING STARTED**	04-Oct-06
LOCATION	Oakland Ca	**DRILLING COMPLETED**	04-Oct-06
PROJECT NUMBER	248-0554-009	**WELL DEVELOPMENT DATE (YIELD)**	NA
DRILLER	Gregg Drilling	**GROUND SURFACE ELEVATION**	Not Surveyed
DRILLING METHOD	Hollow-stem auger	**TOP OF CASING ELEVATION**	NA
BORING DIAMETER	3"	**SCREENED INTERVAL**	NA
LOGGED BY	S. Dalie	**DEPTH TO WATER (First Encountered)**	NA
REVIEWED BY	A. Friel	**DEPTH TO WATER (Static)**	NA
REMARKS	Refusal @ 7 fbg.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft bgs)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft bgs)	WELL DIAGRAM
							ASPHALT	1.0	
					ML		**Sandy SILT (ML)**; brown; damp; 70% silt, 20% fine-grained sand; 10% fine gravel.	3.0	
12		SB-6-V SB-6-4.5		5	GM		**Silty GRAVEL With Sand (GM)**; brown; damp; 10% silt, 30% coarse-grained sand, 60% coarse gravel.	7.0	Bottom of Boring @ 7 ft

WELL LOG (PID) \\10CAMENVDC\SONOMA.SHELL\OAKLAND 3420 SAN PABLO\GINT\3420_SAN_PABLO.GPJ DEFAULT.GDT 11/3/06

Attachment D

Certified Analytical Reports

TestAmerica
ANALYTICAL TESTING CORPORATION

819 Striker Avenue, Suite 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.testamericainc.com

23 October, 2006

Stewart Dalie
Cambria Environmental - 5900 Hollis, Emeryville
5900 Hollis St., Ste. A
Emeryville, CA 94608

RE: Shell 3420 San Pablo, oakland
Work Order: S610169

Enclosed are the results of analyses for samples received by the laboratory on 10/06/06 20:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sylvia Krenn
Project Manager

CA ELAP Certificate # 2630

TestAmerica
ANALYTICAL TESTING CORPORATION

819 Striker Avenue, Suite 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.testamericainc.com

Cambria Environmental - 5900 Hollis, Emeryville	Project:	Shell 3420 San Pablo, oakland	S610169
5900 Hollis St., Ste. A	Project Number:	98995748	**Reported:**
Emeryville CA, 94608	Project Manager:	Stewart Dalie	10/23/06 16:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SB-1-2	S610169-01	Soil	10/04/06 07:30	10/06/06 20:30
SB-1-5	S610169-02	Soil	10/04/06 07:45	10/06/06 20:30
SB-1-8	S610169-03	Soil	10/04/06 08:00	10/06/06 20:30
SB-2-2	S610169-04	Soil	10/04/06 08:15	10/06/06 20:30
SB-2-5	S610169-05	Soil	10/04/06 08:30	10/06/06 20:30
SB-2-8	S610169-06	Soil	10/04/06 08:45	10/06/06 20:30
SB-3-2	S610169-07	Soil	10/04/06 09:00	10/06/06 20:30
SB-3-5	S610169-08	Soil	10/04/06 09:15	10/06/06 20:30
SB-3-8	S610169-09	Soil	10/04/06 09:30	10/06/06 20:30

TestAmerica
ANALYTICAL TESTING CORPORATION

819 Striker Avenue, Suite 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.testamericainc.com

Cambria Environmental - 5900 Hollis, Emeryville	Project: Shell 3420 San Pablo, oakland	S610169
5900 Hollis St., Ste. A	Project Number: 98995748	**Reported:**
Emeryville CA, 94608	Project Manager: Stewart Dalie	10/23/06 16:01

Gasoline\BTEX\Oxygenates by GCMS\8260B

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-1-2 (S610169-01) Soil Sampled: 10/04/06 07:30 Received: 10/06/06 20:30									
Methyl tert-butyl ether	**0.0096**	0.0050	mg/kg	1	6100222	10/18/06	10/18/06	GCMS \ 8260B	
Benzene	**0.011**	0.0050	"	"	"	"	"	"	
Ethylbenzene	**0.0058**	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	**0.017**	0.010	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	1.0	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*118 %*	*60-140*		"	"	"	"	
Surrogate: Toluene-d8		*107 %*	*60-140*		"	"	"	"	
Surrogate: 4-BFB		*118 %*	*60-140*		"	"	"	"	
SB-1-5 (S610169-02) Soil Sampled: 10/04/06 07:45 Received: 10/06/06 20:30									
Methyl tert-butyl ether	ND	0.0050	mg/kg	1	6100222	10/17/06	10/17/06	GCMS \ 8260B	
Benzene	**0.0066**	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**6.9**	1.0	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*120 %*	*60-140*		"	"	"	"	
Surrogate: Toluene-d8		*117 %*	*60-140*		"	"	"	"	
Surrogate: 4-BFB		*149 %*	*60-140*		"	"	"	"	*S04*
SB-1-8 (S610169-03) Soil Sampled: 10/04/06 08:00 Received: 10/06/06 20:30									
Methyl tert-butyl ether	ND	25	ug/kg	50	6100247	10/18/06 00:00	10/18/06	GCMS \ 8260B	
Benzene	ND	25	"	"	"	"	"	"	
Ethylbenzene	ND	25	"	"	"	"	"	"	
Toluene	ND	25	"	"	"	"	"	"	
Xylenes (total)	ND	50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**46000**	2500	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*104 %*	*60-140*		"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*60-140*		"	"	"	"	
Surrogate: 4-BFB		*108 %*	*60-140*		"	"	"	"	

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Cambria Environmental - 5900 Hollis, Emeryville	Project:	Shell 3420 San Pablo, oakland	S610169
5900 Hollis St., Ste. A	Project Number:	98995748	**Reported:**
Emeryville CA, 94608	Project Manager:	Stewart Dalie	10/23/06 16:01

Gasoline\BTEX\Oxygenates by GCMS\8260B

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-2-2 (S610169-04) Soil Sampled: 10/04/06 08:15 Received: 10/06/06 20:30									
Methyl tert-butyl ether	ND	25	ug/kg	50	6100247	10/18/06 00:00	10/18/06	GCMS \ 8260B	
Benzene	**74**	25	"	"	"	"	"	"	
Ethylbenzene	ND	25	"	"	"	"	"	"	
Toluene	ND	25	"	"	"	"	"	"	
Xylenes (total)	**82**	50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**12000**	2500	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*107 %*	*60-140*		"	"	"	"	
Surrogate: Toluene-d8		*97 %*	*60-140*		"	"	"	"	
Surrogate: 4-BFB		*105 %*	*60-140*		"	"	"	"	
SB-2-5 (S610169-05) Soil Sampled: 10/04/06 08:30 Received: 10/06/06 20:30									
Methyl tert-butyl ether	ND	0.0050	mg/kg	1	6100222	10/17/06	10/17/06	GCMS \ 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**1.8**	1.0	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*107 %*	*60-140*		"	"	"	"	
Surrogate: Toluene-d8		*107 %*	*60-140*		"	"	"	"	
Surrogate: 4-BFB		*105 %*	*60-140*		"	"	"	"	
SB-2-8 (S610169-06) Soil Sampled: 10/04/06 08:45 Received: 10/06/06 20:30									
Methyl tert-butyl ether	ND	0.12	mg/kg	5	6100222	10/17/06	10/17/06	GCMS \ 8260B	
Benzene	ND	0.12	"	"	"	"	"	"	
Ethylbenzene	**2.2**	0.12	"	"	"	"	"	"	
Toluene	ND	0.12	"	"	"	"	"	"	
Xylenes (total)	**1.3**	0.25	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**160**	25	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*113 %*	*60-140*		"	"	"	"	
Surrogate: Toluene-d8		*108 %*	*60-140*		"	"	"	"	
Surrogate: 4-BFB		*107 %*	*60-140*		"	"	"	"	

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Cambria Environmental - 5900 Hollis, Emeryville	Project: Shell 3420 San Pablo, oakland	S610169
5900 Hollis St., Ste. A	Project Number: 98995748	**Reported:**
Emeryville CA, 94608	Project Manager: Stewart Dalie	10/23/06 16:01

Gasoline\BTEX\Oxygenates by GCMS\8260B

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-3-2 (S610169-07) Soil Sampled: 10/04/06 09:00 Received: 10/06/06 20:30									
Methyl tert-butyl ether	**0.15**	0.0050	mg/kg	1	6100222	10/17/06	10/17/06	GCMS \ 8260B	
Benzene	**0.058**	0.0050	"	"	"	"	"	"	
Ethylbenzene	**0.018**	0.0050	"	"	"	"	"	"	
Toluene	**0.0075**	0.0050	"	"	"	"	"	"	
Xylenes (total)	**0.079**	0.010	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**4.7**	1.0	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*131 %*		*60-140*		"	"	"	
Surrogate: Toluene-d8		*117 %*		*60-140*		"	"	"	
Surrogate: 4-BFB		*136 %*		*60-140*		"	"	"	
SB-3-5 (S610169-08) Soil Sampled: 10/04/06 09:15 Received: 10/06/06 20:30									
Methyl tert-butyl ether	ND	25	ug/kg	50	6100247	10/18/06 00:00	10/18/06	GCMS \ 8260B	
Benzene	ND	25	"	"	"	"	"	"	
Ethylbenzene	ND	25	"	"	"	"	"	"	
Toluene	ND	25	"	"	"	"	"	"	
Xylenes (total)	ND	50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**11000**	2500	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*104 %*		*60-140*		"	"	"	
Surrogate: Toluene-d8		*102 %*		*60-140*		"	"	"	
Surrogate: 4-BFB		*102 %*		*60-140*		"	"	"	
SB-3-8 (S610169-09) Soil Sampled: 10/04/06 09:30 Received: 10/06/06 20:30									
Methyl tert-butyl ether	ND	0.12	mg/kg	5	6100222	10/17/06	10/17/06	GCMS \ 8260B	
Benzene	ND	0.12	"	"	"	"	"	"	
Ethylbenzene	ND	0.12	"	"	"	"	"	"	
Toluene	ND	0.12	"	"	"	"	"	"	
Xylenes (total)	ND	0.25	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**27**	25	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*109 %*		*60-140*		"	"	"	
Surrogate: Toluene-d8		*106 %*		*60-140*		"	"	"	
Surrogate: 4-BFB		*107 %*		*60-140*		"	"	"	

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Cambria Environmental - 5900 Hollis, Emeryville	Project: Shell 3420 San Pablo, oakland	S610169
5900 Hollis St., Ste. A	Project Number: 98995748	**Reported:**
Emeryville CA, 94608	Project Manager: Stewart Dalie	10/23/06 16:01

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-1-2 (S610169-01) Soil	**Sampled: 10/04/06 07:30**	**Received: 10/06/06 20:30**							
Lead	**620**	20	mg/kg	4	6100130	10/11/06	10/15/06	EPA 6010B	
SB-1-5 (S610169-02) Soil	**Sampled: 10/04/06 07:45**	**Received: 10/06/06 20:30**							
Lead	**140**	20	mg/kg	4	6100130	10/11/06	10/15/06	EPA 6010B	
SB-1-8 (S610169-03) Soil	**Sampled: 10/04/06 08:00**	**Received: 10/06/06 20:30**							
Lead	**250**	20	mg/kg	4	6100130	10/11/06	10/15/06	EPA 6010B	
SB-2-2 (S610169-04) Soil	**Sampled: 10/04/06 08:15**	**Received: 10/06/06 20:30**							
Lead	**180**	20	mg/kg	4	6100130	10/11/06	10/15/06	EPA 6010B	
SB-2-5 (S610169-05) Soil	**Sampled: 10/04/06 08:30**	**Received: 10/06/06 20:30**							
Lead	ND	20	mg/kg	4	6100130	10/11/06	10/15/06	EPA 6010B	
SB-2-8 (S610169-06) Soil	**Sampled: 10/04/06 08:45**	**Received: 10/06/06 20:30**							
Lead	ND	20	mg/kg	4	6100130	10/11/06	10/15/06	EPA 6010B	
SB-3-2 (S610169-07) Soil	**Sampled: 10/04/06 09:00**	**Received: 10/06/06 20:30**							
Lead	**58**	20	mg/kg	4	6100130	10/11/06	10/15/06	EPA 6010B	
SB-3-5 (S610169-08) Soil	**Sampled: 10/04/06 09:15**	**Received: 10/06/06 20:30**							
Lead	ND	20	mg/kg	4	6100130	10/11/06	10/15/06	EPA 6010B	
SB-3-8 (S610169-09) Soil	**Sampled: 10/04/06 09:30**	**Received: 10/06/06 20:30**							
Lead	ND	20	mg/kg	4	6100130	10/11/06	10/15/06	EPA 6010B	

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Cambria Environmental - 5900 Hollis, Emeryville	Project:	Shell 3420 San Pablo, oakland	S610169
5900 Hollis St., Ste. A	Project Number:	98995748	**Reported:**
Emeryville CA, 94608	Project Manager:	Stewart Dalie	10/23/06 16:01

Gasoline\BTEX\Oxygenates by GCMS\8260B - Quality Control
TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6100222 - EPA 5030B [P/T] / GCMS \ 8260B										
Blank (6100222-BLK1)				Prepared & Analyzed: 10/17/06						
Ethanol	ND	0.20	mg/kg							
Tert-butyl alcohol	ND	0.050	"							
Methyl tert-butyl ether	ND	0.0050	"							
Di-isopropyl ether	ND	0.010	"							
Ethyl tert-butyl ether	ND	0.0050	"							
Tert-amyl methyl ether	ND	0.0050	"							
1,2-Dichloroethane	ND	0.0050	"							
1,2-Dibromoethane (EDB)	ND	0.0050	"							
Benzene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Organics (C4-C12)	ND	1.0	"							
Surrogate: 1,2-DCA-d4	*0.0554*		"	*0.0500*		*111*	*60-140*			
Surrogate: Toluene-d8	*0.0519*		"	*0.0500*		*104*	*60-140*			
Surrogate: 4-BFB	*0.0508*		"	*0.0500*		*102*	*60-140*			
Blank (6100222-BLK2)				Prepared & Analyzed: 10/18/06						
Ethanol	ND	0.20	mg/kg							
Tert-butyl alcohol	ND	0.050	"							
Methyl tert-butyl ether	ND	0.0050	"							
Di-isopropyl ether	ND	0.010	"							
Ethyl tert-butyl ether	ND	0.0050	"							
Tert-amyl methyl ether	ND	0.0050	"							
1,2-Dichloroethane	ND	0.0050	"							
1,2-Dibromoethane (EDB)	ND	0.0050	"							
Benzene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Organics (C4-C12)	ND	1.0	"							
Surrogate: 1,2-DCA-d4	*0.0533*		"	*0.0500*		*107*	*60-140*			
Surrogate: Toluene-d8	*0.0510*		"	*0.0500*		*102*	*60-140*			
Surrogate: 4-BFB	*0.0524*		"	*0.0500*		*105*	*60-140*			

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Cambria Environmental - 5900 Hollis, Emeryville	Project:	Shell 3420 San Pablo, oakland	S610169
5900 Hollis St., Ste. A	Project Number:	98995748	**Reported:**
Emeryville CA, 94608	Project Manager:	Stewart Dalie	10/23/06 16:01

Gasoline\BTEX\Oxygenates by GCMS\8260B - Quality Control

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6100222 - EPA 5030B [P/T] / GCMS \ 8260B										
Laboratory Control Sample (6100222-BS1)				Prepared & Analyzed: 10/17/06						
Gasoline Range Organics (C4-C12)	3.80	1.0	mg/kg	4.40		86	70-130			
Surrogate: 1,2-DCA-d4	*0.0536*		"	*0.0500*		*107*	*60-140*			
Surrogate: Toluene-d8	*0.0508*		"	*0.0500*		*102*	*60-140*			
Surrogate: 4-BFB	*0.0528*		"	*0.0500*		*106*	*60-140*			
Laboratory Control Sample (6100222-BS2)				Prepared & Analyzed: 10/17/06						
Methyl tert-butyl ether	0.0354	0.0050	mg/kg	0.0400		88	60-140			
Benzene	0.0380	0.0050	"	0.0400		95	70-130			
Toluene	0.0360	0.0050	"	0.0400		90	70-130			
Surrogate: 1,2-DCA-d4	*0.0565*		"	*0.0500*		*113*	*60-140*			
Surrogate: Toluene-d8	*0.0515*		"	*0.0500*		*103*	*60-140*			
Surrogate: 4-BFB	*0.0492*		"	*0.0500*		*98*	*60-140*			
Laboratory Control Sample (6100222-BS3)				Prepared & Analyzed: 10/18/06						
Gasoline Range Organics (C4-C12)	3.73	1.0	mg/kg	4.40		85	70-130			
Surrogate: 1,2-DCA-d4	*0.0536*		"	*0.0500*		*107*	*60-140*			
Surrogate: Toluene-d8	*0.0505*		"	*0.0500*		*101*	*60-140*			
Surrogate: 4-BFB	*0.0516*		"	*0.0500*		*103*	*60-140*			
Laboratory Control Sample (6100222-BS4)				Prepared & Analyzed: 10/18/06						
Methyl tert-butyl ether	0.0358	0.0050	mg/kg	0.0400		90	60-140			
Benzene	0.0373	0.0050	"	0.0400		93	70-130			
Toluene	0.0342	0.0050	"	0.0400		86	70-130			
Surrogate: 1,2-DCA-d4	*0.0558*		"	*0.0500*		*112*	*60-140*			
Surrogate: Toluene-d8	*0.0501*		"	*0.0500*		*100*	*60-140*			
Surrogate: 4-BFB	*0.0512*		"	*0.0500*		*102*	*60-140*			
Matrix Spike (6100222-MS1)	**Source: S610166-07**			Prepared & Analyzed: 10/17/06						
Methyl tert-butyl ether	0.0721	0.0050	mg/kg	0.104	ND	69	60-140			
Benzene	0.0463	0.0050	"	0.0776	0.00144	58	60-140			QM02
Toluene	0.300	0.0050	"	0.376	0.00446	79	60-140			
Gasoline Range Organics (C4-C12)	4.16	1.0	"	4.40	1.48	61	60-140			
Surrogate: 1,2-DCA-d4	*0.0588*		"	*0.0500*		*118*	*60-140*			
Surrogate: Toluene-d8	*0.0537*		"	*0.0500*		*107*	*60-140*			
Surrogate: 4-BFB	*0.0669*		"	*0.0500*		*134*	*60-140*			

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Cambria Environmental - 5900 Hollis, Emeryville	Project:	Shell 3420 San Pablo, oakland	S610169
5900 Hollis St., Ste. A	Project Number:	98995748	**Reported:**
Emeryville CA, 94608	Project Manager:	Stewart Dalie	10/23/06 16:01

Gasoline\BTEX\Oxygenates by GCMS\8260B - Quality Control

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6100222 - EPA 5030B [P/T] / GCMS \ 8260B										
Matrix Spike Dup (6100222-MSD1)	**Source: S610166-07**			Prepared: 10/17/06 Analyzed: 10/18/06						
Methyl tert-butyl ether	0.0738	0.0050	mg/kg	0.104	ND	71	60-140	2	25	
Benzene	0.0463	0.0050	"	0.0776	0.00144	58	60-140	0	25	QM02
Toluene	0.331	0.0050	"	0.376	0.00446	87	60-140	10	25	
Gasoline Range Organics (C4-C12)	4.72	1.0	"	4.40	1.48	74	60-140	13	25	
Surrogate: 1,2-DCA-d4	*0.0588*		"	*0.0500*		*118*	*60-140*			
Surrogate: Toluene-d8	*0.0557*		"	*0.0500*		*111*	*60-140*			
Surrogate: 4-BFB	*0.0735*		"	*0.0500*		*147*	*60-140*			*S04*
Batch 6100247 - EPA 5030B [MeOH] / GCMS \ 8260B										
Blank (6100247-BLK1)				Prepared & Analyzed: 10/18/06						
Ethanol	117	50	ug/kg							QB02
Tert-butyl alcohol	ND	5.0	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
Tert-amyl methyl ether	ND	2.0	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Benzene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	1.0	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-DCA-d4	*11.0*		"	*10.0*		*110*	*60-140*			
Surrogate: Toluene-d8	*9.48*		"	*10.0*		*95*	*60-140*			
Surrogate: 4-BFB	*10.9*		"	*10.0*		*109*	*60-140*			

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Cambria Environmental - 5900 Hollis, Emeryville	Project:	Shell 3420 San Pablo, oakland	S610169
5900 Hollis St., Ste. A	Project Number:	98995748	**Reported:**
Emeryville CA, 94608	Project Manager:	Stewart Dalie	10/23/06 16:01

Gasoline\BTEX\Oxygenates by GCMS\8260B - Quality Control

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6100247 - EPA 5030B [MeOH] / GCMS \ 8260B										
Laboratory Control Sample (6100247-BS1)				Prepared & Analyzed: 10/18/06						
Methyl tert-butyl ether	39.0	0.50	ug/kg	52.0		75	60-140			
Toluene	158	0.50	"	188		84	70-130			
Gasoline Range Organics (C4-C12)	2270	50	"	2200		103	70-130			
Surrogate: 1,2-DCA-d4	*11.0*		*"*	*10.0*		*110*	*60-140*			
Surrogate: Toluene-d8	*9.82*		*"*	*10.0*		*98*	*60-140*			
Surrogate: 4-BFB	*11.0*		*"*	*10.0*		*110*	*60-140*			
Laboratory Control Sample (6100247-BS2)				Prepared & Analyzed: 10/18/06						
Methyl tert-butyl ether	20.4	0.50	ug/kg	20.0		102	60-140			
Benzene	20.8	0.50	"	20.0		104	70-130			
Toluene	20.1	0.50	"	20.0		100	70-130			
Surrogate: 1,2-DCA-d4	*10.8*		*"*	*10.0*		*108*	*60-140*			
Surrogate: Toluene-d8	*9.65*		*"*	*10.0*		*96*	*60-140*			
Surrogate: 4-BFB	*10.6*		*"*	*10.0*		*106*	*60-140*			
Laboratory Control Sample Dup (6100247-BSD1)				Prepared: 10/18/06 Analyzed: 10/19/06						
Methyl tert-butyl ether	36.9	0.50	ug/kg	52.0		71	60-140	6	25	
Toluene	165	0.50	"	188		88	70-130	4	25	
Gasoline Range Organics (C4-C12)	2170	50	"	2200		99	70-130	5	25	
Surrogate: 1,2-DCA-d4	*10.9*		*"*	*10.0*		*109*	*60-140*			
Surrogate: Toluene-d8	*9.81*		*"*	*10.0*		*98*	*60-140*			
Surrogate: 4-BFB	*10.5*		*"*	*10.0*		*105*	*60-140*			

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Cambria Environmental - 5900 Hollis, Emeryville	Project: Shell 3420 San Pablo, oakland	S610169
5900 Hollis St., Ste. A	Project Number: 98995748	**Reported:**
Emeryville CA, 94608	Project Manager: Stewart Dalie	10/23/06 16:01

Total Metals by EPA 6000/7000 Series Methods - Quality Control

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6100130 - EPA 3050B / EPA 6010B										
Blank (6100130-BLK1)				Prepared: 10/11/06		Analyzed: 10/15/06				
Lead	ND	5.0	mg/kg							
Laboratory Control Sample (6100130-BS1)				Prepared: 10/11/06		Analyzed: 10/15/06				
Lead	102	5.0	mg/kg	100		102	80-120			
Matrix Spike (6100130-MS1)	**Source: S610169-09**			Prepared: 10/11/06		Analyzed: 10/15/06				
Lead	97.5	20	mg/kg	100	ND	98	75-125			
Matrix Spike Dup (6100130-MSD1)	**Source: S610169-09**			Prepared: 10/11/06		Analyzed: 10/15/06				
Lead	98.8	20	mg/kg	100	ND	99	75-125	1	20	

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5900 Hollis St., Ste. A	Project Number:	98995748	**Reported:**
Emeryville CA, 94608	Project Manager:	Stewart Dalie	10/23/06 16:01

Notes and Definitions

S04	The surrogate recovery for this sample is above control limits due to interference from the sample matrix.
QM02	The spike recovery was below control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QB02	The method blank contains this analyte at a concentration above the method reporting limit.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

LAB: TA TA-SAC

SHELL Chain Of Custody Record

S610164

- ☐ TA - Irvine, California
- ☐ TA - Morgan Hill, California
- ☑ TA - Sacramento, California
- ☐ TA - Nashville, Tennessee
- ☐ Calscience
- ☐ Other_____

NAME OF PERSON TO BILL: Dennis Brown

☑ ENVIRONMENTAL SERVICES ☐ NETWORK DEV / FE ☐ BILL CONSULTANT ☐ COMPLIANCE ☐ RMT/CRMT

☐ CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

INCIDENT # (ES ONLY): 9 8 9 9 5 7 4 8

PO #: SAP or CRMT #:

DATE: 10/4/6

PAGE: 1 of 2

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	GLOBAL ID NO.:
Cambria Environmental Technology, Inc.	CETO	3420 San Pablo Avenue, Oakland	CA	T0600101253

ADDRESS:	EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
5900 Hollis Street, Suite A, Emeryville, CA 94608	Brenda Carter, Cambria, Emeryville	510-420-3343	shell.em.edf@cambria-env.com	248-0554-009

PROJECT CONTACT (Hardcopy or PDF Report to): Stewart Dalie

TELEPHONE:	FAX:	E-MAIL:
5810-420-3336	(510) 420-9170	sdalie@cambria-env.com

SAMPLER NAME(S) (Print): Stu

LAB USE ONLY

TAT (STD IS 10 BUSINESS DAYS / RUSH IS CALENDAR DAYS): ☑ STD ☐ 5 DAY ☐ 3 DAY ☐ 2 DAY ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: _____

SPECIAL INSTRUCTIONS OR NOTES:

☐ EDD NOT NEEDED
☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMB RATE APPLIES
☑ RECEIPT VERIFICATION REQUESTED

CC lab reports to afriel@cambria-env,.com; and dsaleme@cambria-env.com

No partial lab reports, send final PDF report only.

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH g- Purgeable (8260B)	TPHd - Extractable (8015M)	BTEX (8260B)	5 oxygenates (8260B) (MTBE, DIPE, TAME, ETBE) MTBE 8260	Oil & Grease EPA 9070	Chlorinated hydorcarbons 8260	EDB & EDC 8260	Cam 5 Metals Cr, Cd, Pb, Ni, Zn	PCB, PCP, PNAs Creosote 8270	TPHC lead Total lead	TPHg, BTEX, MTBE - TO14							Test for Disposal (see attached)		TEMPERATURE ON RECEIPT C°
	SB-1-2	10/4/06	730	soil	1	X		X	X						X			01							
	SB-1-5	10/4/06	745	soil	1	X		X	X						X			02							ID = SB-1
	SB-1-8	10/4/06	800	soil	1	X		X	X						X			03							
	SB-2-2	10/4/06	815	soil	1	X		X	X						X			04							
	SB-2-5		830			X		X	X						X			05							ID = SB-2
	SB-2-8		845			X		X	X						X			06							
	SB-3-2		9			X		X	X						X			07							
	SB-3-5		915			X		X	X						X			08							ID = SB-3
	SB-3-8		930			X		X	X						X			09							

FIELD NOTES:
Container/Preservative or PID Readings or Laboratory Notes

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		10/4/6	3 pm
		10/5/06	1355
		10/5/06	1800

John 10/6/06

05/02/06 Revision

Q&Q Graphic (714) 898-9702

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26 October, 2006

Stewart Dalie
Cambria Environmental - 5900 Hollis, Emeryville
5900 Hollis St., Ste. A
Emeryville, CA 94608

RE: Shell 3420 San Pablo, oakland
Work Order: S610171

Enclosed are the results of analyses for samples received by the laboratory on 10/06/06 20:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sylvia Krenn
Project Manager

CA ELAP Certificate # 2630

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Cambria Environmental - 5900 Hollis, Emeryville	Project:	Shell 3420 San Pablo, oakland	S610171
5900 Hollis St., Ste. A	Project Number:	98995748	**Reported:**
Emeryville CA, 94608	Project Manager:	Stewart Dalie	10/26/06 14:35

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP-1A,B,C,D	S610171-01	Soil	10/04/06 13:00	10/06/06 20:30
SB-4-V	S610171-02	Air	10/04/06 10:00	10/06/06 20:30
SB-5-V	S610171-03	Air	10/04/06 10:45	10/06/06 20:30
SB-6-V	S610171-04	Air	10/04/06 11:30	10/06/06 20:30
SB-4-4.5	S610171-05	Soil	10/04/06 10:15	10/06/06 20:30
SB-5-4.5	S610171-06	Soil	10/04/06 11:00	10/06/06 20:30
SB-6-4.5	S610171-07	Soil	10/04/06 12:00	10/06/06 20:30

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5900 Hollis St., Ste. A	Project Number:	98995748	**Reported:**
Emeryville CA, 94608	Project Manager:	Stewart Dalie	10/26/06 14:35

Gasoline\BTEX\Oxygenates by GCMS\8260B

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP-1A,B,C,D (S610171-01) Soil Sampled: 10/04/06 13:00 Received: 10/06/06 20:30									
Benzene	**0.0063**	0.0050	mg/kg	1	6100204	10/16/06	10/17/06	GCMS \ 8260B	
Ethylbenzene	**0.0075**	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	**0.029**	0.010	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**2.6**	1.0	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*119 %*	*60-140*		"	"	"	"	
Surrogate: Toluene-d8		*114 %*	*60-140*		"	"	"	"	
Surrogate: 4-BFB		*122 %*	*60-140*		"	"	"	"	
SB-4-V (S610171-02) Air Sampled: 10/04/06 10:00 Received: 10/06/06 20:30									**HT-01**
Methyl tert-butyl ether	ND	0.50	mg/m³ Air	1	6100176	10/13/06	10/13/06	GCMS \ 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: Toluene-d8		*99 %*	*60-140*		"	"	"	"	
Surrogate: 4-BFB		*100 %*	*60-140*		"	"	"	"	
Surrogate: 1,2-DCA-d4		*100 %*	*60-140*		"	"	"	"	
SB-5-V (S610171-03) Air Sampled: 10/04/06 10:45 Received: 10/06/06 20:30									**HT-01**
Methyl tert-butyl ether	ND	0.50	mg/m³ Air	1	6100176	10/13/06	10/13/06	GCMS \ 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: Toluene-d8		*96 %*	*60-140*		"	"	"	"	
Surrogate: 4-BFB		*102 %*	*60-140*		"	"	"	"	
Surrogate: 1,2-DCA-d4		*100 %*	*60-140*		"	"	"	"	

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Cambria Environmental - 5900 Hollis, Emeryville	Project: Shell 3420 San Pablo, oakland	S610171
5900 Hollis St., Ste. A	Project Number: 98995748	**Reported:**
Emeryville CA, 94608	Project Manager: Stewart Dalie	10/26/06 14:35

Gasoline\BTEX\Oxygenates by GCMS\8260B

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-6-V (S610171-04) Air Sampled: 10/04/06 11:30 Received: 10/06/06 20:30									**HT-01**
Methyl tert-butyl ether	ND	0.50	mg/m³ Air	1	6100176	10/13/06	10/13/06	GCMS \ 8260B	
Benzene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: Toluene-d8		*100 %*	*60-140*		"	"	"	"	
Surrogate: 4-BFB		*102 %*	*60-140*		"	"	"	"	
Surrogate: 1,2-DCA-d4		*98 %*	*60-140*		"	"	"	"	
SB-4-4.5 (S610171-05) Soil Sampled: 10/04/06 10:15 Received: 10/06/06 20:30									
Methyl tert-butyl ether	ND	0.0050	mg/kg	1	6100222	10/17/06	10/18/06	GCMS \ 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	1.0	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*109 %*	*60-140*		"	"	"	"	
Surrogate: Toluene-d8		*108 %*	*60-140*		"	"	"	"	
Surrogate: 4-BFB		*117 %*	*60-140*		"	"	"	"	
SB-5-4.5 (S610171-06) Soil Sampled: 10/04/06 11:00 Received: 10/06/06 20:30									
Methyl tert-butyl ether	**0.059**	0.0050	mg/kg	1	6100222	10/17/06	10/18/06	GCMS \ 8260B	
Benzene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**2.9**	1.0	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*122 %*	*60-140*		"	"	"	"	
Surrogate: Toluene-d8		*119 %*	*60-140*		"	"	"	"	
Surrogate: 4-BFB		*145 %*	*60-140*		"	"	"	"	*S04*

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Cambria Environmental - 5900 Hollis, Emeryville	Project:	Shell 3420 San Pablo, oakland	S610171
5900 Hollis St., Ste. A	Project Number:	98995748	**Reported:**
Emeryville CA, 94608	Project Manager:	Stewart Dalie	10/26/06 14:35

Gasoline\BTEX\Oxygenates by GCMS\8260B

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SB-6-4.5 (S610171-07) Soil Sampled: 10/04/06 12:00 Received: 10/06/06 20:30									
Methyl tert-butyl ether	ND	0.0050	mg/kg	1	6100222	10/17/06	10/18/06	GCMS \ 8260B	
Benzene	**0.012**	0.0050	"	"	"	"	"	"	
Ethylbenzene	**0.018**	0.0050	"	"	"	"	"	"	
Toluene	**0.017**	0.0050	"	"	"	"	"	"	
Xylenes (total)	**0.16**	0.010	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**7.2**	1.0	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*125 %*		*60-140*	"	"	"	"	
Surrogate: Toluene-d8		*116 %*		*60-140*	"	"	"	"	
Surrogate: 4-BFB		*153 %*		*60-140*	"	"	"	"	*S04*

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Cambria Environmental - 5900 Hollis, Emeryville	Project:	Shell 3420 San Pablo, oakland	S610171
5900 Hollis St., Ste. A	Project Number:	98995748	**Reported:**
Emeryville CA, 94608	Project Manager:	Stewart Dalie	10/26/06 14:35

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP-1A,B,C,D (S610171-01) Soil	**Sampled: 10/04/06 13:00**	**Received: 10/06/06 20:30**							
Lead	ND	10	mg/kg	4	6100130	10/11/06	10/15/06	EPA 6010B	
SB-4-4.5 (S610171-05) Soil	**Sampled: 10/04/06 10:15**	**Received: 10/06/06 20:30**							
Lead	ND	5.0	mg/kg	1	6100198	10/16/06	10/17/06	EPA 6010B	
SB-5-4.5 (S610171-06) Soil	**Sampled: 10/04/06 11:00**	**Received: 10/06/06 20:30**							
Lead	ND	5.0	mg/kg	1	6100198	10/16/06	10/17/06	EPA 6010B	
SB-6-4.5 (S610171-07) Soil	**Sampled: 10/04/06 12:00**	**Received: 10/06/06 20:30**							
Lead	**29**	5.0	mg/kg	1	6100198	10/16/06	10/17/06	EPA 6010B	

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Cambria Environmental - 5900 Hollis, Emeryville	Project:	Shell 3420 San Pablo, oakland	S610171
5900 Hollis St., Ste. A	Project Number:	98995748	**Reported:**
Emeryville CA, 94608	Project Manager:	Stewart Dalie	10/26/06 14:35

Gasoline\BTEX\Oxygenates by GCMS\8260B - Quality Control
TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6100176 - EPA 5030B [P/T] / GCMS \ 8260B										
Blank (6100176-BLK1)				Prepared & Analyzed: 10/13/06						
Ethanol	ND	50	mg/m³ Air							
Tert-butyl alcohol	ND	5.0	"							
Methyl tert-butyl ether	ND	0.50	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.50	"							
Tert-amyl methyl ether	ND	0.50	"							
1,2-Dichloroethane	ND	0.50	"							
1,2-Dibromoethane (EDB)	ND	0.50	"							
Benzene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Toluene	ND	0.50	"							
Xylenes (total)	ND	1.0	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: Toluene-d8	*1.92*		*"*	*2.00*		*96*	*60-140*			
Surrogate: 4-BFB	*2.09*		*"*	*2.00*		*104*	*60-140*			
Surrogate: 1,2-DCA-d4	*2.01*		*"*	*2.00*		*100*	*60-140*			
Laboratory Control Sample (6100176-BS1)				Prepared & Analyzed: 10/13/06						
Methyl tert-butyl ether	7.89	0.50	mg/m³ Air	10.4		76	60-140			
Benzene	5.49	0.50	"	7.76		71	70-130			
Toluene	30.0	0.50	"	37.6		80	70-130			
Gasoline Range Organics (C4-C12)	426	50	"	440		97	70-130			
Surrogate: Toluene-d8	*1.98*		*"*	*2.00*		*99*	*60-140*			
Surrogate: 4-BFB	*2.12*		*"*	*2.00*		*106*	*60-140*			
Surrogate: 1,2-DCA-d4	*2.03*		*"*	*2.00*		*102*	*60-140*			
Laboratory Control Sample (6100176-BS2)				Prepared & Analyzed: 10/13/06						
Methyl tert-butyl ether	4.26	0.50	mg/m³ Air	4.00		106	60-140			
Benzene	4.43	0.50	"	4.00		111	70-130			
Toluene	3.87	0.50	"	4.00		97	70-130			
Surrogate: Toluene-d8	*1.95*		*"*	*2.00*		*98*	*60-140*			
Surrogate: 4-BFB	*2.12*		*"*	*2.00*		*106*	*60-140*			
Surrogate: 1,2-DCA-d4	*1.94*		*"*	*2.00*		*97*	*60-140*			

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Cambria Environmental - 5900 Hollis, Emeryville	Project:	Shell 3420 San Pablo, oakland	S610171
5900 Hollis St., Ste. A	Project Number:	98995748	**Reported:**
Emeryville CA, 94608	Project Manager:	Stewart Dalie	10/26/06 14:35

Gasoline\BTEX\Oxygenates by GCMS\8260B - Quality Control

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6100176 - EPA 5030B [P/T] / GCMS \ 8260B										
Laboratory Control Sample Dup (6100176-BSD1)				Prepared: 10/12/06 Analyzed: 10/13/06						
Methyl tert-butyl ether	7.34	0.50	mg/m³ Air	10.4		71	60-140	7	25	
Toluene	29.3	0.50	"	37.6		78	70-130	2	25	
Gasoline Range Organics (C4-C12)	406	50	"	440		92	70-130	5	25	
Surrogate: Toluene-d8	*2.00*		*"*	*2.00*		*100*	*60-140*			
Surrogate: 4-BFB	*2.11*		*"*	*2.00*		*106*	*60-140*			
Surrogate: 1,2-DCA-d4	*1.99*		*"*	*2.00*		*100*	*60-140*			
Laboratory Control Sample Dup (6100176-BSD2)				Prepared: 10/12/06 Analyzed: 10/13/06						
Methyl tert-butyl ether	4.16	0.50	mg/m³ Air	4.00		104	60-140	2	25	
Benzene	4.46	0.50	"	4.00		112	70-130	0.7	25	
Toluene	3.91	0.50	"	4.00		98	70-130	1	25	
Surrogate: Toluene-d8	*1.98*		*"*	*2.00*		*99*	*60-140*			
Surrogate: 4-BFB	*2.09*		*"*	*2.00*		*104*	*60-140*			
Surrogate: 1,2-DCA-d4	*1.93*		*"*	*2.00*		*96*	*60-140*			
Batch 6100204 - EPA 5030B [P/T] / GCMS \ 8260B										
Blank (6100204-BLK1)				Prepared & Analyzed: 10/16/06						
Benzene	ND	0.0050	mg/kg							
Ethylbenzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Organics (C4-C12)	ND	1.0	"							
Surrogate: 1,2-DCA-d4	*0.0521*		*"*	*0.0500*		*104*	*60-140*			
Surrogate: Toluene-d8	*0.0524*		*"*	*0.0500*		*105*	*60-140*			
Surrogate: 4-BFB	*0.0517*		*"*	*0.0500*		*103*	*60-140*			

TestAmerica
ANALYTICAL TESTING CORPORATION

819 Striker Avenue, Suite 8
Sacramento, CA 95834
(916) 921-9600
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www.testamericainc.com

Cambria Environmental - 5900 Hollis, Emeryville	Project:	Shell 3420 San Pablo, oakland	S610171
5900 Hollis St., Ste. A	Project Number:	98995748	**Reported:**
Emeryville CA, 94608	Project Manager:	Stewart Dalie	10/26/06 14:35

Gasoline\BTEX\Oxygenates by GCMS\8260B - Quality Control

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6100204 - EPA 5030B [P/T] / GCMS \ 8260B										
Laboratory Control Sample (6100204-BS1)				Prepared: 10/16/06 Analyzed: 10/17/06						
Benzene	0.0434	0.0050	mg/kg	0.0776		56	70-130			QL02a
Toluene	0.248	0.0050	"	0.376		66	70-130			QL02
Gasoline Range Organics (C4-C12)	3.80	1.0	"	4.40		86	70-130			
Surrogate: 1,2-DCA-d4	*0.0536*		*"*	*0.0500*		*107*	*60-140*			
Surrogate: Toluene-d8	*0.0508*		*"*	*0.0500*		*102*	*60-140*			
Surrogate: 4-BFB	*0.0528*		*"*	*0.0500*		*106*	*60-140*			
Laboratory Control Sample Dup (6100204-BSD1)				Prepared: 10/16/06 Analyzed: 10/18/06						
Benzene	0.0424	0.0050	mg/kg	0.0776		55	70-130	2	25	QL02a
Toluene	0.267	0.0050	"	0.376		71	70-130	7	25	
Gasoline Range Organics (C4-C12)	3.73	1.0	"	4.40		85	70-130	2	25	
Surrogate: 1,2-DCA-d4	*0.0536*		*"*	*0.0500*		*107*	*60-140*			
Surrogate: Toluene-d8	*0.0505*		*"*	*0.0500*		*101*	*60-140*			
Surrogate: 4-BFB	*0.0516*		*"*	*0.0500*		*103*	*60-140*			
Batch 6100222 - EPA 5030B [P/T] / GCMS \ 8260B										
Blank (6100222-BLK1)				Prepared & Analyzed: 10/17/06						
Ethanol	ND	0.20	mg/kg							
Tert-butyl alcohol	ND	0.050	"							
Methyl tert-butyl ether	ND	0.0050	"							
Di-isopropyl ether	ND	0.010	"							
Ethyl tert-butyl ether	ND	0.0050	"							
Tert-amyl methyl ether	ND	0.0050	"							
1,2-Dichloroethane	ND	0.0050	"							
1,2-Dibromoethane (EDB)	ND	0.0050	"							
Benzene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Organics (C4-C12)	ND	1.0	"							
Surrogate: 1,2-DCA-d4	*0.0554*		*"*	*0.0500*		*111*	*60-140*			
Surrogate: Toluene-d8	*0.0519*		*"*	*0.0500*		*104*	*60-140*			
Surrogate: 4-BFB	*0.0508*		*"*	*0.0500*		*102*	*60-140*			

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Cambria Environmental - 5900 Hollis, Emeryville	Project:	Shell 3420 San Pablo, oakland	S610171
5900 Hollis St., Ste. A	Project Number:	98995748	**Reported:**
Emeryville CA, 94608	Project Manager:	Stewart Dalie	10/26/06 14:35

Gasoline\BTEX\Oxygenates by GCMS\8260B - Quality Control

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6100222 - EPA 5030B [P/T] / GCMS \ 8260B										
Blank (6100222-BLK2)				Prepared & Analyzed: 10/18/06						
Ethanol	ND	0.20	mg/kg							
Tert-butyl alcohol	ND	0.050	"							
Methyl tert-butyl ether	ND	0.0050	"							
Di-isopropyl ether	ND	0.010	"							
Ethyl tert-butyl ether	ND	0.0050	"							
Tert-amyl methyl ether	ND	0.0050	"							
1,2-Dichloroethane	ND	0.0050	"							
1,2-Dibromoethane (EDB)	ND	0.0050	"							
Benzene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Organics (C4-C12)	ND	1.0	"							
Surrogate: 1,2-DCA-d4	*0.0533*		"	*0.0500*		*107*	*60-140*			
Surrogate: Toluene-d8	*0.0510*		"	*0.0500*		*102*	*60-140*			
Surrogate: 4-BFB	*0.0524*		"	*0.0500*		*105*	*60-140*			
Laboratory Control Sample (6100222-BS1)				Prepared & Analyzed: 10/17/06						
Gasoline Range Organics (C4-C12)	3.80	1.0	mg/kg	4.40		86	70-130			
Surrogate: 1,2-DCA-d4	*0.0536*		"	*0.0500*		*107*	*60-140*			
Surrogate: Toluene-d8	*0.0508*		"	*0.0500*		*102*	*60-140*			
Surrogate: 4-BFB	*0.0528*		"	*0.0500*		*106*	*60-140*			
Laboratory Control Sample (6100222-BS2)				Prepared & Analyzed: 10/17/06						
Methyl tert-butyl ether	0.0354	0.0050	mg/kg	0.0400		88	60-140			
Benzene	0.0380	0.0050	"	0.0400		95	70-130			
Toluene	0.0360	0.0050	"	0.0400		90	70-130			
Surrogate: 1,2-DCA-d4	*0.0565*		"	*0.0500*		*113*	*60-140*			
Surrogate: Toluene-d8	*0.0515*		"	*0.0500*		*103*	*60-140*			
Surrogate: 4-BFB	*0.0492*		"	*0.0500*		*98*	*60-140*			

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Cambria Environmental - 5900 Hollis, Emeryville	Project:	Shell 3420 San Pablo, oakland	S610171
5900 Hollis St., Ste. A	Project Number:	98995748	**Reported:**
Emeryville CA, 94608	Project Manager:	Stewart Dalie	10/26/06 14:35

Gasoline\BTEX\Oxygenates by GCMS\8260B - Quality Control

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6100222 - EPA 5030B [P/T] / GCMS \ 8260B										
Laboratory Control Sample (6100222-BS3)				Prepared & Analyzed: 10/18/06						
Gasoline Range Organics (C4-C12)	3.73	1.0	mg/kg	4.40		85	70-130			
Surrogate: 1,2-DCA-d4	*0.0536*		"	*0.0500*		*107*	*60-140*			
Surrogate: Toluene-d8	*0.0505*		"	*0.0500*		*101*	*60-140*			
Surrogate: 4-BFB	*0.0516*		"	*0.0500*		*103*	*60-140*			
Laboratory Control Sample (6100222-BS4)				Prepared & Analyzed: 10/18/06						
Methyl tert-butyl ether	0.0358	0.0050	mg/kg	0.0400		90	60-140			
Benzene	0.0373	0.0050	"	0.0400		93	70-130			
Toluene	0.0342	0.0050	"	0.0400		86	70-130			
Surrogate: 1,2-DCA-d4	*0.0558*		"	*0.0500*		*112*	*60-140*			
Surrogate: Toluene-d8	*0.0501*		"	*0.0500*		*100*	*60-140*			
Surrogate: 4-BFB	*0.0512*		"	*0.0500*		*102*	*60-140*			
Matrix Spike (6100222-MS1)	**Source: S610166-07**			Prepared & Analyzed: 10/17/06						
Methyl tert-butyl ether	0.0721	0.0050	mg/kg	0.104	ND	69	60-140			
Benzene	0.0463	0.0050	"	0.0776	0.00144	58	60-140			QM02
Toluene	0.300	0.0050	"	0.376	0.00446	79	60-140			
Gasoline Range Organics (C4-C12)	4.16	1.0	"	4.40	1.48	61	60-140			
Surrogate: 1,2-DCA-d4	*0.0588*		"	*0.0500*		*118*	*60-140*			
Surrogate: Toluene-d8	*0.0537*		"	*0.0500*		*107*	*60-140*			
Surrogate: 4-BFB	*0.0669*		"	*0.0500*		*134*	*60-140*			
Matrix Spike Dup (6100222-MSD1)	**Source: S610166-07**			Prepared: 10/17/06 Analyzed: 10/18/06						
Methyl tert-butyl ether	0.0738	0.0050	mg/kg	0.104	ND	71	60-140	2	25	
Benzene	0.0463	0.0050	"	0.0776	0.00144	58	60-140	0	25	QM02
Toluene	0.331	0.0050	"	0.376	0.00446	87	60-140	10	25	
Gasoline Range Organics (C4-C12)	4.72	1.0	"	4.40	1.48	74	60-140	13	25	
Surrogate: 1,2-DCA-d4	*0.0588*		"	*0.0500*		*118*	*60-140*			
Surrogate: Toluene-d8	*0.0557*		"	*0.0500*		*111*	*60-140*			
Surrogate: 4-BFB	*0.0735*		"	*0.0500*		*147*	*60-140*			*S04*

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Cambria Environmental - 5900 Hollis, Emeryville	Project: Shell 3420 San Pablo, oakland	S610171
5900 Hollis St., Ste. A	Project Number: 98995748	**Reported:**
Emeryville CA, 94608	Project Manager: Stewart Dalie	10/26/06 14:35

Total Metals by EPA 6000/7000 Series Methods - Quality Control

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6100130 - EPA 3050B / EPA 6010B										
Blank (6100130-BLK1)				Prepared: 10/11/06	Analyzed: 10/15/06					
Lead	ND	2.5	mg/kg							
Laboratory Control Sample (6100130-BS1)				Prepared: 10/11/06	Analyzed: 10/15/06					
Lead	102	2.5	mg/kg	100		102	80-120			
Matrix Spike (6100130-MS1)	**Source: S610169-09**			Prepared: 10/11/06	Analyzed: 10/15/06					
Lead	97.5	10	mg/kg	100	ND	98	75-125			
Matrix Spike Dup (6100130-MSD1)	**Source: S610169-09**			Prepared: 10/11/06	Analyzed: 10/15/06					
Lead	98.8	10	mg/kg	100	ND	99	75-125	1	20	
Batch 6100198 - EPA 3050B / EPA 6010B										
Blank (6100198-BLK1)				Prepared: 10/16/06	Analyzed: 10/17/06					
Lead	ND	5.0	mg/kg							QC07
Laboratory Control Sample (6100198-BS1)				Prepared: 10/16/06	Analyzed: 10/17/06					
Lead	98.2	5.0	mg/kg	100		98	80-120			
Matrix Spike (6100198-MS1)	**Source: S610215-01**			Prepared: 10/16/06	Analyzed: 10/17/06					
Lead	71.2	5.0	mg/kg	100	ND	71	75-125			QM02
Matrix Spike Dup (6100198-MSD1)	**Source: S610215-01**			Prepared: 10/16/06	Analyzed: 10/17/06					
Lead	68.6	5.0	mg/kg	100	ND	69	75-125	4	20	QM02

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Cambria Environmental - 5900 Hollis, Emeryville	Project:	Shell 3420 San Pablo, oakland	S610171
5900 Hollis St., Ste. A	Project Number:	98995748	**Reported:**
Emeryville CA, 94608	Project Manager:	Stewart Dalie	10/26/06 14:35

Notes and Definitions

S04	The surrogate recovery for this sample is above control limits due to interference from the sample matrix.
QM02	The spike recovery was below control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QL02a	The LCS recovery was below the control limit by 38.8.
QL02	The LCS recovery was below the control limit by 188.
QC07	The percent recovery in the quality control analyte exceeded the upper control limit. Because there was no detectable amount of this compound in the associated sample, the result has been reported.
HT-01	This sample was received beyond the EPA recommended holding time.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

SHELL Chain Of Custody Record

- ☐ TA - Irvine, California
- ☐ TA - Morgan Hill, California
- ☑ TA - Sacramenta, California
- ☐ TA - Nashville, Tennesee
- ☐ Calscience
- ☐ Other_____

NAME OF PERSON TO BILL: Dennis Brown

☑ ENVIRONMENTAL SERVICES ☐ NETWORK DEV./FE ☐ BILL CONSULTANT ☐ COMPLIANCE ☐ RMT/CRMT

☐ CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

INCIDENT # (ES ONLY): 9 8 9 9 5 7 4 8

PO #:

SAP or CRMT #:

DATE: 10/4/6

PAGE: 1 of 2

SAMPLING COMPANY:	LOG CODE:
Cambria Environmental Technology, Inc.	CETO

ADDRESS:
5900 Hollis Street, Suite A, Emeryville, CA 94608

PROJECT CONTACT (Hardcopy or PDF Report to):		
Stewart Dalie		
TELEPHONE:	FAX:	E-MAIL:
5810-420-3336	(510) 420-9170	sdalie@cambria-env.com

SITE ADDRESS: Street and City	State	GLOBAL ID NO.:
3420 San Pablo Avenue, Oakland	CA	T0600101253

EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
Brenda Carter, Cambria, Emeryville	510-420-3343	shell.em.edf@cambria-env.com	248-0554-009

SAMPLER NAME(S) (Print): Stu

LAB USE ONLY

TAT (STD IS 10 BUSINESS DAYS / RUSH IS CALENDAR DAYS): ☑ STD ☐ 5 DAY ☐ 3 DAY ☐ 2 DAY ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

REQUESTED ANALYSIS

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: _____

SPECIAL INSTRUCTIONS OR NOTES:

☐ EDD NOT NEEDED
☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMB RATE APPLIES
☑ RECEIPT VERIFICATION REQUESTED

CC lab reports to afriel@cambria-env,.com; and dsaleme@cambria-env.com

No partial lab reports, send final PDF report only.

FIELD NOTES:

Container/Preservative or PID Readings or Laboratory Notes

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH g- Purgeable (8260B)	TPHd - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	Oil & Greese EPA 9070	Chlorinated hydrocarbons 8260	EDB & EDC 8260	Cam 5 Metals Cr, Cd, Pb, Ni, Zn	PCB, PCP, PNAs Creosote 8270	TTLC lead								Test for Disposal (see attached)	TEMPERATURE ON RECEIPT C°
	SP-1A	10/4/06	1100	soil	1	X		X							X								X	
	SP-1B	10/4/06	1105	soil	1	X		X							X								X	
	SP-1C	10/4/06	1100	soil	1	X		X							X								X	
	SP-1D	10/4/06	1100	soil	1	X		X							X								X	

SP-1 TD

Relinquished by: (Signature)	Received by: (Signature)	Date: 10/4/6	Time: 3 pm
Relinquished by: (Signature)	Received by: (Signature)	Date: 10/5/06	Time: 1355
Relinquished by: (Signature) 10-6-06 1035	Received by: (Signature)	Date: 10/5/06	Time: 1800
10/6/06	10/6/06		1055

05/02/06 Revision

Q&Q Graphic (714) 898-9702

LAB: TA

- ☐ TA - Irvine, California
- ☐ TA - Morgan Hill, California
- ☑ TA - Sacramento, California
- ☐ TA - Nashville, Tennessee
- ☐ Calscience
- ☐ Other_____

SHELL Chain Of Custody Record

NAME OF PERSON TO BILL: Dennis Brown

☑ ENVIRONMENTAL SERVICES ☐ NETWORK DEV. / FE ☐ BILL CONSULTANT ☐ COMPLIANCE ☐ RMT/CRMT

☐ CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

INCIDENT # (ES ONLY): 9 8 9 9 5 7 4 8

PO #:

SAP or CRMT #:

DATE: 10/4/6

PAGE: 2 of 2

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	GLOBAL ID NO.:
Cambria Environmental Technology, Inc.	CETO	3420 San Pablo Avenue, Oakland	CA	T0600101253

ADDRESS:	EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
5900 Hollis Street, Suite A, Emeryville, CA 94608	Brenda Carter, Cambria, Emeryville	510-420-3343	shell.em.edf@cambria-env.com	248-0554-009

PROJECT CONTACT (Hardcopy or PDF Report to):	TELEPHONE:	FAX:	E-MAIL:
Stewart Dalie	5810-420-3336	(510) 420-9170	sdalie@cambria-env.com

SAMPLER NAME(S) (Print): Stu

LAB USE ONLY: 600121

TAT (STD IS 10 BUSINESS DAYS / RUSH IS CALENDAR DAYS): ☑ STD ☐ 5 DAY ☐ 3 DAY ☐ 2 DAY ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: _____

SPECIAL INSTRUCTIONS OR NOTES:

☐ EDD NOT NEEDED
☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMB RATE APPLIES
☑ RECEIPT VERIFICATION REQUESTED

CC lab reports to afriel@cambria-env,.com; and dsaleme@cambria-env.com

No partial lab reports, send final PDF report only.

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH g- Purgeable (8260B)	TPHd - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE) multi-use only	Oil & Greese EPA 9070	Chlorinated hydorcarbons 8260	EDB & EDC 8260	Cam 5 Metals Cr, Cd, Pb, Ni, Zn	PCB, PCP, PNAs Creosote 8270	~~TLC~~ lead total	TPHg, BTEX, MTBE - 8014	OR COMPARABLE METHOD AS PER ANA FRIEL 10-11-06 1420	Test for Disposal (see attached)	TEMPERATURE ON RECEIPT C°
	SB-4-V	10/4/06	10:05	~~Soil~~ Vapor	Tedlar 1											X			04
	SB-5-V	10/4/06	1045	~~Soil~~ Vapor	Tedlar 1											X			05
	SB-6-V	10/4/06	1130	~~Soil~~ Vapor	Tedlar 1											X			06
		~~10/4/06~~		~~Soil~~	~~1~~														
	SB-4-4.5	10/4/6	10:15	Soil	1	X		X	X						X				07
	SB-5-4.5	↓	11:00	↓	1	X		X	X						X				08
	SB-6-4.5	↓	12	↓	1	X		X	X						X				

FIELD NOTES:
Container/Preservative or PID Readings or Laboratory Notes

both SB-4,5,6 Should be combined for ID's = SB-4 SB-5 SB-6

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		10/4/6	3 pm
		Date:	Time:
10-6-06 10:55	JULIENG (MH)	Date: 10/05/06	Time: 1800
Ron Hamman		10/6/06	1055

05/02/06 Revision

Q&Q Graphic (714) 898-9702

RESIDUAL MANAGEMENT PROCEDURE

ISSUED DATE: 08/01/01
CANCELS ISSUE:
ISSUED BY: LRR

ESIDUAL STREAM: SOIL WITH UNLEADED GASOLINE
ENDOR: ALLIED-BFI
)CATION: ALLIED WASTE - MANTECA
9999 SOUTH AUSTIN ROAD
MANTECA, CA 95336

ALIFORNIA - TRANSPORTATION AND RETAIL

TEX - EPA 8021B/8260B (IF BENZENE IS ~~> OR = TO~~ 10 MG/KG THEN TCLP BENZENE IS REQUIRED)

AM METALS = TTLC METALS — LEAD ONLY
STLC ON ALL TTLC METALS ~~10~~ TIMES STLC ~~MAXIMUM~~
TTLC LEAD=>13 MG/KG ~~REQUIRES ORGANIC LEAD ANALYSIS~~
IF ANY TTLC TOTAL METAL IS > OR = TO 20 TIMES TCLP ~~REGULATORY LEVELS, TCLP~~ IS REQUIRED

)TAL PETROLEUM HYDROCARBONS, METHOD 418.1 OR 8015 — GASOLINE

~~TBE METHOD 8260B (GC/MS)~~

QUATIC BIOASSAY (FISH TOX) IS ONLY TO BE RUN ON SAMPLES > OR = TO 5000 PPM TPH. AQUATIC IOASSAY (FISH TOX) = PART 800 OF STANDARD METHODS FOR THE EXAMINATION OF WATER AND /ASTEWATER (15TH EDITION)

ABORATORY INSTRUCTIONS (MINIMUM GUIDELINES ONLY)
ALTERNATE APPROVED TEST METHODS PER SW846 ARE ALSO ACCEPTABLE
ALL REQUIRED TESTS ON COMPOSITE (max 4:1)
_ABORATORY IS TO SUPPLY QA/QC INFORMATION WITH ALL ANALYTICAL REPORTS
~~MAIL OR FAX ALL ANALYSIS TO THE CENTRALIZED RESIDUAL MANAGEMENT TEAM~~

PROCEDURE ORIGINAL DATE: 08/01/01
PROCEDURE REVISED DATE: 08/01/01

TEST AMERICA SAMPLE RECEIPT LOG

CLIENT NAME: STEW
REC. BY (PRINT): JULIE NG.
WORKORDER:

DATE REC'D AT LAB: 10/05/06
TIME REC'D AT LAB: 1600
DATE LOGGED IN:

For Regulatory Purposes?
DRINKING WATER YES / (NO)
WASTE WATER YES / (NO)

CIRCLE THE APPROPRIATE RESPONSE		LAB SAMPLE #	CLIENT ID	CONTAINER DESCRIPTION	PRESERVATIVE	pH	SAMPLE MATRIX	DATE SAMPLED	REMARKS: CONDITION (ETC.)
1. Custody Seal(s)	Present / Absent Intact / Broken*								
2. Chain-of-Custody	Present / Absent*								
3. Traffic Reports or Packing List:	Present / Absent								* 1 METAL CORE FOR EACH S.I
4. Airbill:	Airbill / Sticker Present / Absent								
5. Airbill #:	—								* NO SAMPLE FOR SB-4-V -5-V -6-V
6. Sample Labels:	Present / Absent								
7. Sample IDs:	Listed / Not Listed on Chain-of-Custody								
8. Sample Condition:	Intact / Broken* / Leaking*								(5)
9. Does information on chain-of-custody, traffic reports and sample labels agree?	Yes / No*								
10. Sample received within hold time?	Yes / No*								
11. Adequate sample volume received?	Yes / No*								
12. Proper preservatives used?	Yes / No*								
13. Trip Blank / Temp Blank Received? (circle which, if yes)	Yes / No*								
14. Read Temp: 4.8°C Corrected Temp: ↓ Is corrected temp 4 +/-2°C?	Yes / No**								

(Acceptance range for samples requiring thermal pres.)
**Exception (if any): METALS / DFF ON ICE or Problem COC

JULIE NG. 10/06/06 SEE COC

*IF CIRCLED, CONTACT PROJECT MANAGER AND ATTACH RECORD OF RESOLUTION.

Attachment E

Disposal Documentation

Hazardous Waste Hauler (Registration # 2843)
P.O. Box 292547 * Sacramento, CA 95829 * FAX 916-381-1573

Disposal Confirmation

Request for Transportation Received: 11/02/2006

Consultant Information

Company:	Cambria
Contact:	Daviya Saleme
Phone:	510-420-3342
Fax:	510-420-9170

Site Information

PO #	
Street Address:	3420 San Pablo Ave
City, State, ZIP:	Oakland, CA
Customer:	Shell Oil Company RESA-0023-LDC
RIPR #:	56192
SAP # / Location:	NA
Incident #:	98995748
Location / WIC #:	NA
Environmental Engineer:	Denis Brown
Material Description:	Soil cuttings
Estimated Quantity:	0.25 cy
Service Requested Date:	10/02/2006
Disposal Facility:	Forward Landfill
Contact:	Scott
Phone:	800 204-4242
Approval #:	6751
Date of Disposal:	11/13/2006
Actual Tonnage	0.20 tons
Transporter:	Manley & Sons Trucking, Inc.
Contact:	Jennifer Rogers
Phone:	916 381-6864
Fax:	916 381-1573
Invoice:	200611-4
Date of Invoice:	11/14/2006