Denis L. Brown

Shell Oil Products US
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Tel (707) 865 0251
Fax (707) 865 2542
Email denis.l.brown@shell.com

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

Re: Shell-branded Service Station
1601 Webster Street
Alameda, California
SAP Code 135032
Incident No. 97564701
ACHCSA No. 13-503

Dear Mr. Wickham:

Attached for your review and comment is a copy of the *Site Investigation Report* for the above referenced site. 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

October 6, 2006

Mr. Jerry Wickham
Hazardous Materials Specialist
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **Site Investigation Report**
Shell-branded Service Station
1601 Webster Street
Alameda, California
Incident No. 97564701
SAP Code 135032
ACHCSA No. 13-503

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 purposes of the investigation were to (1) assess potential vapor migration in utility conduits and inside the kiosk by screening with field equipment; (2) delineate the extent of shallow groundwater impact upgradient of S-7; and (3) investigate MTBE concentrations in the deeper groundwater near well S-4. Cambria followed the scope of work and procedures presented in our May 17, 2006 *Risk Evaluation and Work Plan,* which was approved by the Alameda Health Care Services Agency in their May 30, 2006 letter.

EXECUTIVE SUMMARY

- The screening of utility vault boxes and the kiosk did not indicate the presence of volatile organic vapors. Only two monitoring wells reported detectable volatile organic vapors at 3.9 parts per million by volume (ppmv).
- Three monitoring wells were constructed during this investigation: S-8, S-9, and S-4B.
- Soil analytical data indicate that TPHg and BTEX are present in the 5 foot below grade (fbg) samples in S-8 and S-9; but soil from 11.5 fbg were below detection limits for these constituents at both locations.
- MTBE was detected only in one sample in boring S-4B at 19.5 fbg, which is below the water table.

Cambria Environmental Technology, Inc.

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

SITE DESCRIPTION AND BACKGROUND

The subject property is an operating Shell-branded service station located on the northwest corner of Webster Street and Lincoln Avenue in Alameda, California (Figure 1). The station layout includes three underground storage tanks (USTs), a former waste oil UST, two current dispensers and two former dispenser islands, a station building, and a kiosk (Figure 2). The local topography is flat with a site elevation at approximately 13 feet above mean sea level. The site is surrounded by a mix of commercial and residential development.

A summary of previous work performed at the site and additional background information is contained in Attachment A.

INVESTIGATION RESULTS

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

PID Screening: On July 13, 2006, geologist Kevin Taylor performed vapor screening of well vault boxes, utility vault boxes, inside the onsite commercial buildings, and around the site to assess potential migration of vapors. Screening was performed using a photo-ionization detector (PID). The PID was calibrated prior to use and continuous measurements were collected from each location for approximately 30 seconds to a minute. The maximum measurement was recorded for each location (Figure 3).

Drilling Dates: July 17, 2006.

Drilling Company: Gregg Drilling.

Personnel: Geologist John Gerbrandt directed the drilling activities under the supervision of California Professional Geologist Ana Friel.

Drilling Method: Hollow Stem Auger.

Number of Well Borings: Three wells (S-8, S-9, and S-4B) 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: 12 fbg (S-8 and S-9) and 20 fbg (S-4B).

Groundwater Depths: Groundwater was first encountered 5 to 10 fbg.

Soil Disposal: Six-55 gallon drums of soil were generated during field activities, stored onsite, sampled and profiled for disposal. After the soil has been profiled it will be transported to Allied Waste Industries' Forward Landfill in Manteca, California for disposal. Waste disposal manifests are included in Attachment D.

Well Development/Sampling: Blaine Tech Services Inc., (Blaine) will develop the new wells and incorporate them into the existing monitoring schedule. The development data will be included with the third quarter monitoring report, to be issued under separate cover.

Wellhead Survey: On August 17, 2006, Virgil Chavez Land Surveying (licensed land surveyor No. 6323) of Vallejo, California surveyed the top of casing elevations of the new wells relative to mean sea level and surveyed the wells for longitudes and latitudes. The survey report is included as Attachment E.

FINDINGS

Soil Vapor Results: The PID screening results are summarized on Figure 4.

Soil: The soil chemical analytical data are summarized in Table 1 and TPHg, benzene, and MTBE analytical results are presented on Figure 4. Laboratory analytical reports are presented in Attachment F.

Cross Sections: An update of a previously submitted geologic cross section (A-A') and an additional geologic cross section in the direction of groundwater flow were requested in ACHCSA's May 30, 2006 letter. These cross sections are currently being prepared with current and historical soil boring data, and will be submitted under separate cover.

DISCUSSION

Cambria's May 17, 2006 *Risk Evaluation and Work Plan* presented historical site soil and groundwater data in relation to the San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels (SFBRWQCB ESLs). A review of the current soil data shows that none of the new soil data exceeds the ESLs for protection of onsite Commercial Workers by migration of indoor air, except for 1.0 mg/kg of benzene (S-8 at 8 fbg), which exceeded the 0.51 mg/kg ESL. The TPHg concentration in this same sample was elevated, and, according to the ESLs, would warrant further investigation for possible vapor intrusion.

In an effort to assess whether organic vapors were migrating from subsurface soil and groundwater at this site into utility conduits and the kiosk, screening of utility vault boxes and the breathing zone in the kiosk was performed. The field screening did not find the presence of any organic vapors within any of the utility conduits or the kiosk.

CONCLUSIONS

Based on the results of the PID screening, it does not appear that significant migration or collection of petroleum vapors is occurring in any of the utility conduits. Further, even though this is an operating service station, the breathing zone of the commercial workers within the kiosk building located in the immediate vicinity of the fuel dispensers does not contain measurable concentrations of organic vapors. Thus, Shell and Cambria conclude that the onsite commercial workers are not at risk of inhalation of petroleum vapors present in the subsurface.

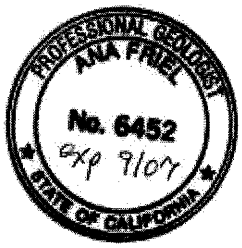
CLOSING

The newly installed wells will be added to the existing monitoring program and will be reported in accordance with the reporting schedule for this site. The geologic cross sections will be submitted upon their completion, within 30 days of this document.

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

Sincerely,
Cambria Environmental Technology, Inc.

Susan Lukaszewicz
Staff Geologist



Ana Friel, PG
Associate Geologist

Figures:
1 - Vicinity Map
2 - Site Plan
3 - PID Screening Results – July 2006
4 - Soil Chemical Concentration Map – July 2006

Tables:
1 - Soil Analytical Data

Attachments:
A - Site History
B - Permits
C - Boring Logs
D – Waste Disposal Manifests
E – Survey Data
F - Certified Analytical Reports

cc: Denis Brown, Shell Oil Products US
Thomas H., Kosel, ConocoPhilips Risk Management & Remediation, 76 Broadway, Sacramento, CA 95818
James C. Kirschner, ATC Associates, Inc. 6602 Owens Drive, Suite 100, Pleasanton, CA, 94588 (consultant for ConocoPhillips)

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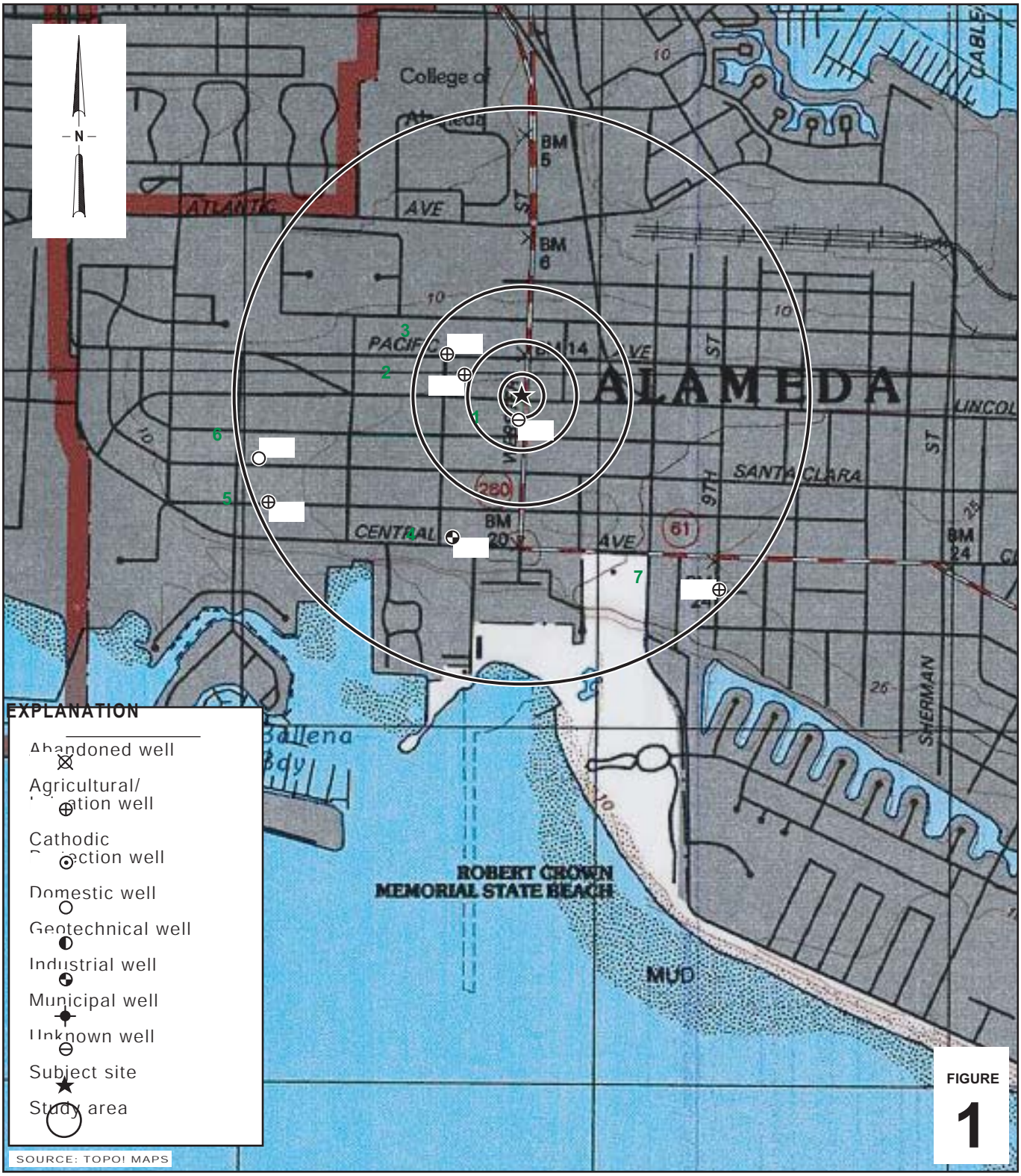

O:\ALAMEDA 1601 WEBSTER\FIGURES\VC-SRS SURVEY.AI

FIGURE 1

0 1/8 1/4 1/2 1

SCALE : 1" = 1/4 MILE

Shell-branded Service Station

1601 Webster Street
Alameda, California
Incident No.97437680

Vicinity Map

(200, 500, and 1,000 Ft., and1/2 Mile Radii)

CAMBRIA

18-July-06

Site Plan

July 17, 2006

EXPLANATION

- CPT soil boring
- Monitoring well (Shell)
- Destroyed monitoring well
- Tank backfill well
- Monitoring well (Former 76)
- Manhole
- Power pole
- Street light
- Storm drain inlet
- Electrical (E)
- Overhead electrical (OE)
- Storm drain (SD)
- Sanitary sewer (SS)
- Water (W)
- Gas (G)
- Telecommunications(T)

637 Lincoln

639 Lincoln

643 Lincoln

642-644 Pacific

643 Pacific

1619 Webster

1701 Webster

1600-1604 Webster

1606-1614 Webster

1616-1616 1/2 Webster

LINCOLN AVENUE

PACIFIC AVENUE

WEBSTER STREET

Shell Service Station
(1601 Webster)

Former Underground Waste Oil Tank

Vents

Former Dispenser Island

Former Product Piping

former underground air line

Product Piping

Canopy

Well Piping

Dispensers

USTs

Kiosk

planter

Building

Former W/O UST

Former USTs

Former 76 Service Station # 0843 (1629 Webster)

Former Dispenser

MW-1 MW-2 MW-3 MW-4 MW-6

S-1 S-2 S-3 S-4 S-4B S-5 S-6 S-7 S-8 S-9

TBW-W TBW-N TBW-S TBW-E

SB-9 SB-10 SB-11 SB-12 SB-13 SB-14

W (8"Ø) W (2"Ø) W (6"Ø) W (20"Ø) W (16"Ø) W (4"Ø) W (24"Ø) W (12"Ø)

SS (6"Ø) SS (8"Ø)

SD (18"Ø RCP)

OE E T G W

Inlet = 11.20'
FL = 7.70'

inlet = 10.80'
FL = 7.60'

rim = 11.70'
FL = 2.88'

FL = 2.89'

FL = 4.32'

76 Station Well **MW-5** located outside map boundary ~ 80 feet north-northeast of well MW-6.

Scale (ft)

0 15 30 60

N

FIGURE

2

Shell-branded Service Station
1601 Webster Street
Alameda, California

CAMBRIA

0467

03-Oct-06

PID Screening Results
(July 2006)

EXPLANATION

- Proposed monitoring well
- CPT soil boring
- Monitoring well (Shell)
- Destroyed monitoring well
- Tank backfill well
- Manhole
- Power pole
- Street light
- Storm drain inlet
- Monitoring well (Former 76)
- (0.0) PID readings in parts per million by volume
- Electrical line (E)
- Overhead electrical line (OE)
- Storm drain line (SD)
- Sanitary sewer line (SS)
- Water line (W)
- Gas line (G)
- Telecommunications line (T)

637 Lincoln

639 Lincoln

643 Lincoln

643 Pacific

642-644 Pacific

1619 Webster

1701 Webster

1600-1604 Webster

1606-1614 Webster

1616-1616 1/2 Webster

LINCOLN AVENUE

PACIFIC AVENUE

WEBSTER STREET

Shell Service Station
(1601 Webster)

Former Dispenser Island

Former Product Piping

former underground air line

Product Piping

Canopy

Well Piping

Dispensers

USTs

Kiosk

Vents

Former Underground Waste Oil Tank

Former W/O UST

Former USTs

Former 76 Service Station # 0843 (1629 Webster)

Former Dispenser

Building

planter

phone

MW-1 (0.0)
MW-2 (0.0)
MW-3 (0.0)
MW-4 (0.0)
MW-5 (0.0)
MW-6 (0.0)
S-1 (0.0)
S-2 (3.9)
S-3 (0.0)
S-4 (3.9)
S-4B (0.0)
S-5 (0.0)
S-6 (0.0)
S-7 (0.0)
S-8 (0.0)
S-9 (0.0)
TBW-W (0.0)
TBW-N (0.0)
TBW-S (0.0)
TBW-E (0.0)
SB-9 (0.0)
SB-10 (0.0)
SB-11 (0.0)
SB-12 (0.0)
SB-13 (0.0)
SB-14 (0.0)

Inlet = 11.20'
FL = 7.70'

inlet = 10.80'
FL = 7.60'

rim = 11.70'
FL = 2.88'
FL = 2.89'
FL = 4.32'

W (8"Ø)
W (2"Ø)
W (16"Ø)
W (4"Ø)
W (24"Ø)
W (6"Ø)
W (20"Ø)
W (12"Ø)
SS (6"Ø)
SS (8"Ø)
SD (18"Ø RCP)

76 Station Well MW-5 located outside map boundary ~ 80 feet north-northeast of well MW-6.

Scale (ft)
0 15 30 60

N

CAMBRIA

Shell-branded Service Station
1601 Webster Street
Alameda, California

FIGURE
3

0467

03-Oct-06

Soil Chemical Concentration Map
(July 2006)

EXPLANATION

- CPT soil boring
- Monitoring well (Shell)
- Destroyed monitoring well
- Tank backfill well
- Monitoring well (Former 76)
- Manhole
- Power pole
- Street light
- Storm drain inlet
- Electrical line (E)
- Overhead electrical line (OE)
- Storm drain line (SD)
- Sanitary sewer line (SS)
- Water line (W)
- Gas line (G)
- Telecommunications line (T)

3,700/1.0/ND, 8.0' TPHg/Benzene/MTBE concentrations in miligrams per kilogram, sample depth

ND Not detected at laboratory detection limit

637 Lincoln

639 Lincoln

643 Lincoln

643 Pacific

642-644 Pacific

LINCOLN AVENUE

PACIFIC AVENUE

MW-1

S-1

Vents

Former Underground Waste Oil Tank

Former Dispenser Island

Shell Service Station (1601 Webster)

Former Product Piping

S-8
3,700/1.0/ND, 8.0'
ND/ND/ND, **11.5'**

TBW-W

S-2

MW-3

Canopy

Well Piping

former underground air line

Product Piping

Dispensers

USTs

TBW-S

TBW-N

S-7

S-9

110/ND/ND, **5.0'**
ND/ND/ND, **11.5'**

MW-2

Kiosk

TBW-E

SB-11

S-6

S-5

SB-10

S-3

S-4B
ND/ND/ND, **6.0'**
ND/ND/ND, **11.0'**
ND/ND/ND, **16.0'**
ND/ND/**0.31**, **19.5'**

S-4

SB-9

1619 Webster

Building

Former W/O UST

Former USTs

MW-4

MW-3

MW-1

Former 76 Service Station # 0843 (1629 Webster)

Former Dispenser

MW-2

1701 Webster

W (8"Ø)

OE

W (2"Ø)

W (16"Ø)

G

SS (6"Ø)

W (4"Ø)

OE

W (6"Ø)

SS (8"Ø)

SD (18"Ø RCP)

W (20"Ø)

W (24"Ø)

W (12"Ø)

SB-12

SB-13

SB-14

WEBSTER STREET

Inlet = 11.20'
FL = 7.70'

inlet = 10.80'
FL = 7.60'

rim = 11.70'
FL = 2.88'

FL = 2.89'

FL = 4.32'

MW-6

76 Station Well
MW-5
located outside map boundary ~ 80 feet north-northeast of well MW-6.

1600-1604 Webster

1606-1614 Webster

1616-1616 1/2 Webster

Scale (ft)
0 15 30 60

FIGURE
4

Shell-branded Service Station
1601 Webster Street
Alameda, California

CAMBRIA

0467

Table 1. Soil Analytical Data - Shell-branded Service Station, 1601 Webster Street, Alameda, California

Sample ID	Depth (fbg)	Date	TPHg (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)	TBA (mg/kg)	DIPE (mg/kg)	ETBE (mg/kg)	TAME (mg/kg)	1,2-DCA (mg/kg)	EDB (mg/kg)
Site Investigation 2006														
S-4B-6.0	6.0	17-Jul-06	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
S-4B-11.0	11.0	17-Jul-06	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	**0.56**	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
S-4B-16.0	16.0	17-Jul-06	<1.0	<0.0050	<0.0050	<0.0050	<0.010	<0.0050	**0.30 ***	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
S-4B-19.5	19.5	17-Jul-06	<1.0	<0.0050	<0.0050	<0.0050	<0.010	**0.31 ***	**0.13 ***	<0.010	<0.0050	<0.0050	<0.0050	<0.0050
S-8-8.0	8.0	17-Jul-06	**3700**	**1.0**	<0.25	**90**	**310 ***	<0.25	<2.5	<0.50	<0.25	<0.25	<0.25	<0.25
S-8-11.5	11.5	17-Jul-06	<50	<0.25	<0.25	**0.89**	**2.5**	<0.25	<2.5	<0.50	<0.25	<0.25	<0.25	<0.25
S-9-5.0	5.0	17-Jul-06	**110**	<0.25	<0.25	**2.0**	**3.5**	<0.25	<2.5	<0.50	<0.25	<0.25	<0.25	<0.25
S-9-11.5	11.5	17-Jul-06	<1.0	<0.0050	<0.0050	<0.0050	**0.010**	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0050	<0.0050

Notes and Abbreviations:

fbg = feet below grade

mg/kg = milligrams per kilogram

<x = Not detected at reporting limit x

All constituents analyzed by EPA Method 8260B

TPHg = Total petroleum hydrocarbons as gasoline

BTEX = Benzene, toluene, ethylbenzene, and xylenes

MTBE = Methyl tertiary butyl ether

TBA = Tertiary-butyl alcohol

DIPE = Di-isopropyl ether

ETBE = Ethyl tertiary butyl ether

TAME = Tertiary amyl methyl ether

1,2-DCA = 1,2-Dichloroethane

EDB = Ethylene dibromide

Attachment A

Site History

ATTACHMENT A
SUMMARY: Site Background & Previous Investigations/Activities
Shell-branded Service Station
1601 Webster Street, Alameda, California

SITE BACKGROUND

Site Conditions

Site Location and Topography: The site is located at the northwest corner of Webster Street and Lincoln Avenue in Alameda, California in a mixed commercial and residential area. The site is located approximately ½ mile from the San Francisco Bay. The site's address is known to Shell as 1601 Webster Street; however, the Alameda County Assessor's office lists the property address as 1607 Webster Street. Local topography is flat, and the site's elevation is approximately 13 ft above mean sea level.

Property Owner: As requested in the ACHCSA's September 3, 2004 *Notice of Responsibility* letter the current fee title owner of the referenced property is identified on behalf of Shell in compliance with section 25297.15(a) of Chapter 6.7 of the Health Safety Code. The property owner is Shell (Equilon Enterprises LLC). Shell's address for tax purposes is P.O. Box 4369, Houston, TX 77210. Shell's address for environmental correspondence is: Denis Brown, Shell Oil Products US, 20945 South Wilmington Avenue, Carson, California 90810.

Nearby Leaking Underground Fuel Tank (LUFT) Sites: According to the Geotracker database, several LUFT sites are present in the area near the site. These include:

- Former 76 Service Station 0843 at 1629 Webster Street, north of the site. According to the Geotracker database, this case is currently open due to a gasoline release, and is located downgradient of the subject Shell site.
- BP Oil Service Station #11104 at 1716 Webster Street, northeast of the site. Open case, gasoline, downgradient of the site.
- Chevron station at 1802 Webster Street, northeast of the site. Open case, gasoline, downgradient of the site.
- Devon Home Center, 1701 Webster Street, south of the site. Case closed on March 9, 1996, gasoline release, upgradient of the site.
- Ogden Service Corporation, 1700 Webster Street, southeast of the site. Case closed on June 24, 1992, waste oil/used oil release, upgradient of the site.
- Pacific Properties, 1628 Webster Street, southeast of the site. Case closed on August 28, 1996, gasoline release, upgradient of the site.
- Jiffy Lube, 1435 Webster Street, south of the site. Open case, upgradient of the site.

- Bank of America, 1528 Webster Street, south of the site. Case closed January 6, 1997, diesel release.
- Alameda Fire Station #2, 635 Pacific Avenue, north-northwest of the site. Case closed February 28, 1994, gasoline release.

Subsurface Geology: Boring logs from previous site investigations at the site and the nearby former 76 site indicate that the site is underlain by sand and silty sands to 21.5 feet below ground (fbg). Some prior reports identified the sediments as the Merritt Sand, an unconsolidated Pleistocene beach and near shore deposit. Review of the boring logs shows consistent poorly sorted sand to silty sand in the shallow water bearing zone.

Groundwater Depth: The historical depth to groundwater has previously ranged from approximately 4.5 fbg to 10.5 fbg. During August 2004 upgrade activities and emergency response actions, the depth to water in the tank backfill wells was measured at approximately 6 fbg before pumping of the wells.

Groundwater Flow Direction: Based on previous groundwater monitoring data at the site and the adjacent former 76 site, groundwater generally flows northerly to northeasterly. Review of the groundwater elevation contour maps indicates a consistent north to northeastern groundwater gradient.

PREVIOUS SITE INVESTIGATIONS AND ACTIVITIES

1987 Waste Oil Tank Removal: In June 1987, a 550-gallon underground waste oil tank that was originally installed in 1962 was removed from the site (Figure A). Blaine Tech Services (Blaine) of San Jose, California reported that the tank contained more than 77 holes and that hydrocarbon sheen was observed on the water in the excavation. Soil samples from 9.5 fbg in the excavation contained 133 parts per million (ppm) petroleum oil and grease (POG), 14 ppm total petroleum hydrocarbons (TPH), and 29 ppm 1,1,1-trichloroethane (TCA). A grab water sample collected from the water surface at about 12.5 fbg contained 244 ppm POG, 132 ppm TPH, 11 ppm TCA, and 59 ppm methyl chloride. These results were reported in Blaine's July 16, 1987 *Field Sampling at Shell Station* letter report, and Blaine's June 26, 1989 letter report summarizing previously unpublished notes.

1987 Well S-1 Installation: In September 1987, Pacific Environmental Group (PEG) of Santa Clara, California drilled one soil boring and installed groundwater monitoring well S-1 immediately down gradient of the former waste oil tank to assess whether hydrocarbons detected during the excavation were in groundwater (Figure A). TOG was detected in the boring from 3.5 and 15.5 fbg at a maximum concentration of 130 ppm at about 5 fbg. TPH as gasoline (TPHg) was detected at 50 ppm in soil at about 4 fbg. No halogenated volatile organic compounds

(HVOCs) were detected in soil or groundwater. These results were reported in PEG's October 23, 1987 letter report.

1990 Well MW-1 and MW-2 Installation: In April 1990, Weiss Associates (WA) installed wells MW-1 and MW-2 (Figure A). TPHg was detected at a maximum concentration in soils of 32 ppm in the boring for well MW-2, with the highest concentration detected below the water table. Unsaturated soil samples from the two borings contained less than 0.1 ppm benzene, ethylbenzene, toluene, and/or xylenes (BTEX). No POG or HVOCs were detected in soil from either boring. These results were reported in WA's July 6, 1990 *Subsurface Investigation at Shell Service Station* report.

1992-1993 Subsurface Investigation: On October 12 and 22, 1992 and February 19, 1993, WA installed eight soil borings, BH-C through BH-J, ranging from 12.5 to 21.5 fbg, and one monitoring well, MW-3 (Figure A). TPHg was detected at a maximum concentration in soil of 170 ppm from 10.5 fbg in boring BH-E. Benzene was detected at a maximum concentration in soil of 0.11 ppm from boring BH-E at 13.5 fbg. Grab groundwater samples from each boring resulted in a maximum TPHg concentration of 26,000 parts per billion (ppb), and a maximum benzene concentration of 6,900 ppb. These results were reported in WA's April 16, 1993 *Subsurface Investigation Report.*

1997 Pipeline and Dispenser Upgrades: On August 27, 1997, Cambria conducted soil sampling under the product piping and below dispenser locations on-site at approximately 5 fbg (Figure A). The highest concentrations in soil were found in sample D-2 at a depth of 5 fbg with 11,000 ppm TPHg, 6.3 ppm benzene, 7.8 ppm toluene, 96 ppm ethylbenzene and 440 ppm total xylenes. TPHg concentrations for the same location at a depth of 10-fbg decreased to 760 ppm. No MTBE was detected in the analytical samples. Cambria's October 8, 1997 *Pipeline and Dispenser Soil Sampling Report* presented the results.

1998 Waste Oil Remote Fill Pipe Removal: Paradiso Mechanical Inc., of San Leandro, California upgraded the site's waste oil system and removed the remote fill pipe associated with the waste oil tank. Cambria confirmed with ACHCSA regulator Rob Weston prior to the upgrade that no samples would be required as the pipeline was pressurized at above 20 psi and tested overnight, therefore requiring no sample to be taken. Cambria's December 1, 1998 *1998 Upgrade Site Inspection Report* presented the findings.

Prior Groundwater Monitoring: Groundwater was monitored and sampled generally quarterly prior to the destruction of the on-site monitoring wells in 1999 and subsequent case closure. Following initial sampling of well S-1 in September 1987, groundwater was monitored consistently between September 1989 and April 1998. During that time, the groundwater

gradient near the USTs was consistently north-easterly, ranging between north-northwest and northeast. Depth to water has ranged between approximately 4.5 and 10.5 fbg at the site.

Prior Groundwater Remediation: Groundwater remediation by oxygenation was implemented by using an air compressor to inject air into MW-2 from March 2, 1995 until March 18, 1996.

1999 Monitoring Well Abandonment and Case Closure: On January 15, 1999, Cambria oversaw the destruction of all four on-site monitoring wells to facilitate case closure with the ACHCSA. Cambria's February 26, 1999 *Monitoring Well Abandonment Report* documented the work. ACHCSA's March 15, 1999 *Remedial Action Completion Certification and Fuel Leak Site Case Closure* letters confirmed completion of site investigation and remedial action and granted UST case closure for the site. The case closure letter also documented that up to 100 ppm TPHg and 0.026 ppm benzene existed in soil, and up to 3,800 ppb TPHg and 190 ppb benzene existed in groundwater at the time of case closure.

March 2004 Well Survey: At Shell's request, Cambria performed a search of California Department of Water Resources (DWR) records for water producing wells within one-half mile of the site. Monitor, cathodic, test, abandoned or destroyed wells were not researched. No public water supply (PWS) wells were identified from DWR records or from the Geotracker database. Records of seven non-PWS wells were found.

The nearest identified well was located by address approximately 150 ft south of the site. The DWR well record was undated, and did not record the well's intended use. Cambria's site inspection indicated that the address is currently occupied by a café, and the visit did not indicate the presence of a well; therefore the well is presumed to be abandoned. The next closest wells, irrigation wells installed in 1977, are estimated to be about 525 and 800 feet northwest of the site, and drilled to 25 and 32 fbg, respectively. Since groundwater is known to flow generally northward, these wells are cross-gradient of the site, and are therefore unlikely to be affected by impacted groundwater from the site. All other identified wells are located more than 1,000 feet to the southeast, south, and southwest (upgradient) of the site and therefore would not likely be affected by impacted groundwater from the site.

August 2004 Fuel System Upgrades: S.J. Weaver Contracting, Inc. of Signal Hill, California upgraded the station's fuel dispensers, piping, and vapor recovery system during August 2004. Due to the high water table, groundwater from the UST excavation was pumped into a storage tank periodically, and was off-hauled as non-hazardous waste to Shell's Martinez refinery for disposal. Cambria collected soil samples beneath removed dispensers and piping on August 10, 2004. No benzene or MTBE was detected in any soil samples collected during these activities. TPHg was detected in one soil sample and xylenes were detected in two soil samples

from beneath fuel piping. The soil analytical results indicated that the highest residual hydrocarbon concentrations were located near the northwest corner of the kiosk building at sample location P-3-3'. Due to the reported presence of TPHg and xylenes in soil, Shell filed an August 11, 2004 **Unauthorized Release Report Form** with ACHCSA.

Following re-installation of one fuel pump into one 10,000 gallon UST, S.J. Weaver identified a product loss in one 10,000-gallon UST by manual tank gauging. S.J. Weaver personnel pumped water from the tank excavation into an open-top storage tank on-site. As fuel had leaked out of the damaged UST, the pumped water contained free product. The resulting gasoline vapor concentrations warranted site evacuation, cessation of work, and emergency response. As a result, Shell's contractors conducted emergency response and remediation beginning on August 19, 2004. On August 19, 2004, the remaining fuel in the damaged UST was removed by a tanker truck, and groundwater pumping from one of the tank backfill wells was initiated. Cambria oversaw emergency response efforts including on-going groundwater extraction from an on-site tank backfill well to recover product lost during the release. The product loss, emergency response activities, and emergency remediation efforts associated with this event are presented in further detail in Cambria's November 30, 2004 *Soil & Groundwater Investigation Work Plan and Agency Response.* As a result of the product loss, Shell filed an August 19, 2004 **Unauthorized Release Report Form** with ACHCSA. In addition, the Alameda Fire Department filed a report with the California Governor's Office of Emergency Services. ACHCSA subsequently opened a new environmental case for the site on September 3, 2004 (ACHSA RO# 2745).

August 2004 - Groundwater Extraction (GWE): Following the August 2004 product release at the site, Cambria supervised Philip Services Corporation's (PSC) groundwater extraction (GWE) from the northern-most tank backfill well (TBW-N). Initially, groundwater was extracted several times per day from August 19 until August 23, 2004. Then, daily GWE was conducted from August 24 until September 10, 2004. From September 13 through November 16, GWE was conducted weekly. Cambria gauged product thickness in well TBW-N, and estimated product recovery by measurement of product thickness in the tanker truck while separate phase hydrocarbons (SPH) were present. Cambria periodically collected grab groundwater samples from TBW-N for analysis for TPHg, BTEX, and MTBE. On November 1, 2004, Cambria switched the GWE contractor to Onyx Industrial Services. Beginning with the November 8, 2004 sample, all samples are also analyzed for four additional oxygenate compounds DIPE, TAME, TBA, and ETBE, EDB, 1, 2-DCA and ethanol. The sample analytical results and evaluation, and details regarding product removal and groundwater extraction are also presented in Cambria's November 30, 2004 *Soil & Groundwater Investigation Work Plan and Agency Response.* GWE was discontinued in February 2006.

November 2004 Soil and Groundwater Investigation: Between November 30 and December 3, 2004, Cambria installed eight soil borings (SB-1 through SB-8) at the site for the collection of soil and groundwater samples to further assess the impacts of the August 2004 product loss event. The borings were augered to approximately 15 fbg. Soil samples were collected from each boring at 5 fbg and at 6.5 fbg (capillary fringe). Grab groundwater samples were collected from shallow groundwater from each boring at between 6.5 to 8.0 fbg. Discrete (hydropunch-type) groundwater samples were also collected from the deeper groundwater as follows: At 10 fbg in only one boring, SB-1, and at 15 fbg from all borings except SB-3, which did not produce any deeper groundwater samples. The maximum concentrations in soil were 740 ppm of TPHg in SB-8-6.5', 1.5 ppm of MTBE in SB-4-6.5', and 53 ppm of ethanol in SB-8-6.5'. All of the other constituents were below the laboratory detection limits in soil. The maximum concentrations in the grab groundwater samples were 17,000 ppb of TPHg and 250 ppb of benzene in SB-8-W, 9,000 ppb of MTBE in SB-3-W, and 1,100 ppb of TBA in SB-4-W. None of the other constituents were reported from the grab groundwater samples. The maximum concentrations in the discrete groundwater samples were 920 ppb of TPHg in SB-7W-15', 5.3 ppb of benzene in SB-8W-15', 300 ppb of MTBE in SB-1W-10', 2,000 ppb TBA in SB-4W-15', and 4.0 ppb TAME in SB-4W-15'. None of the other fuel oxygenates or ethanol was detected in any of the discrete groundwater samples from 10 or 15 fbg. These results were reported in Cambria's February 18, 2005 *Soil and Groundwater Investigation Report.*

2005 Soil and Groundwater Investigations: Between October 31, 2005 through November 3, 2005 Cambria oversaw the installation of wells S-2 through S-7 and six CPT borings (SB-9 through SB-14). Proposed borings SB-15 and SB-16 were not installed on the adjacent offsite property because the site was under construction of a commercial development. The only hydrocarbon constituent detected in the soil samples was 0.0080 mg/kg of total xylenes in boring SB-13 at 5 fbg. No TPHg, benzene, MTBE, TBA, DIPE, ETBE, or TAME was detected in any of the soil samples. A total of 24 groundwater samples were analyzed from the six CPT borings (SB-9 through SB-14) collected from four different intervals in each boring. The analytical data tables are included in Appendix B, for reference. The maximum concentrations detected in the samples from 6-11 fbg were TPHg at 3 µg/l, MTBE at 4,800 µg/l, TBA at 1,300 µg/l, and TAME at 3.7 µg/l. No BTEX, DIPE, or ETBE were reported in samples from the first encountered groundwater. The maximum concentrations detected from 14-18 fbg were TPHg at 500 µg/l, MTBE at 9,200 µg/l, and TBA at 2,200 µg/l. No BTEX, DIPE, ETBE, or TAME were reported in samples from this interval. The maximum concentration in samples collected from 24-28 fbg was MTBE at 7,800 µg/l. No TPHg, BTEX, TBA, DIPE, ETBE, or TAME were reported in water samples from 24-28 fbg. And, the maximum concentrations from the deepest interval from 35-39 fbg contained TPHg at 70 µg/l, MTBE at 87 µg/l, and TBA at 68 µg/l. No BTEX, DIPE, ETBE, or TAME were reported in water samples from 35-39 fbg. The results from this

investigation were reported in Cambria's January 31, 2006 *Soil and Groundwater Investigation Report.*

Groundwater Monitoring – November 2004 - Ongoing: Tank backfill well north (TBW-N) has been monitored regularly since October 2004, including weekly during December 2004, and monthly ever since. Since the release of product from the UST system (August 2004), the maximum concentrations of TPHg, benzene, and MTBE in TBW-N were 160,000 µg/l TPHg and 31,000 µg/l benzene on December 1, 2004, and 3,300 µg/l of MTBE on December 15, 2004. Concentrations have been declining through the remedial efforts described above.

May 2006 – Risk Evaluation: Cambria performed an evaluation of the site data to assess whether the impacted soil and/or groundwater beneath the site poses any significant risk to human health or the environment. As reported in the May 17, 2006 *Risk Evaluation and Work Plan*, Cambria concluded that the residual impacts at this site pose very little risk to human health or the environment currently, or in the foreseeable future, particularly given that the property use is anticipated to remain a retail gasoline service station for the foreseeable future.

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: 06/13/2006 By jamesy **Receipt Number: WR2006-0289**
Permits Issued: W2006-0582 to W2006-0584 **Permits Valid from 07/17/2006 to 07/17/2006**

Application Id: 1150215599887 **City of Project Site:** Alameda
Site Location: 1601 Webster St, Alameda, CA 94501
Project Start Date: 07/17/2006 **Completion Date:** 07/17/2006

Applicant: Cambria Environmental - Kevin Taylor 270 Perkins St., Sonoma, CA 95476 **Phone:** 707-935-4850
Property Owner: Shell Oil Products US 20945 Wilmington, Carson, CA 90810 **Phone:** 707-865-0251
Client: ** same as Property Owner **

Total Due: $900.00
Total Amount Paid: $900.00
Payer Name : Cambria Paid By: CHECK **PAID IN FULL**

Works Requesting Permits:

Well Construction-Monitoring-Monitoring - 3 Wells
Driller: Gregg Drilling - Lic #: 485165 - Method: auger **Work Total: $900.00**

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth
W2006-0582	06/13/2006	10/15/2006	S-4B	10.00 in.	4.00 in.	14.00 ft	20.00 ft
W2006-0583	06/13/2006	10/15/2006	S-8	10.00 in.	4.00 in.	3.00 ft	12.00 ft
W2006-0584	06/13/2006	10/15/2006	S-9	10.00 in.	4.00 in.	3.00 ft	12.00 ft

Specific Work Permit Conditions

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

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

3. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained.

4. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the

Alameda County Public Works Agency, Water Resources Section, within 60 days. Including permit number and site map.

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

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

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

8. 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.

9. Applicant shall call 510-670-6633 to schedule an inspection at least 5 working days prior to starting.

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**	S-4B/S-4B
JOB/SITE NAME	Shell-branded Service Station	**DRILLING STARTED**	17-Jul-06
LOCATION	1601 Webster Street, Alameda, California	**DRILLING COMPLETED**	17-Jul-06
PROJECT NUMBER	0467	**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	10"	**SCREENED INTERVAL**	15 to 20 ft bgs
LOGGED BY	J. Gerbrandt	**DEPTH TO WATER (First Encountered)**	5.0 ft (17-Jul-06) ▽
REVIEWED BY	A. Friel, PG 6452	**DEPTH TO WATER (Static)**	NA ▼
REMARKS	Air knifed to 5 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
					GM		**ASPHALT**	0.3	
							Silty GRAVEL with Sand (GM); yellowish brown (10YR 5/6); dry; 5% clay, 25% silt, 25% fine to coarse sand, 45% fine gravel.	0.8	
					ML		**Sandy SILT (ML)**; yellowish brown (10YR 5/4); moist; 30% clay, 35% silt, 30% fine to coarse sand, 5% fine gravel.	2.0	
					SM		**Silty SAND (SM)**; very dark grayish brown (10YR 3/2); dry; 15% clay, 20% silt, 65% fine sand.		
							▽	5.0	
	2 3 4			5			**SAND (SP)**; brown (10YR 4/3); mottling: brown (10YR 5/3); loose; wet; 5% silt, 95% fine sand.		Portland Type I/II
0.0		S-4B-6.0'			SP				
	6 12 19			10			@ 10.0' - yellowish brown (10YR 5/4); dense.		
0.0		S-4B-11.0'						12.0	Bentonite Seal
	11 11 13			15			@ 15.0' - brown (10YR 5/3); medium dense.		Monterey Sand #2/12
0.0		S-4B-16.0'							4"-diam., 0.020" Slotted Schedule 40 PVC
	13 15 16						@ 18.5' - dense.		
15.9		S-4B-19.5'		20					Bottom of Boring @ 20 ft

WELL LOG (PID) \\10CAMENVDC\SONOMA.SHELL\ALAMEDA 1601 WEBSTER ST\GINT\ALAMEDA.GPJ DEFAULT.GDT 10/4/06

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**	S-8/S-8
JOB/SITE NAME	Shell-branded Service Station	**DRILLING STARTED**	17-Jul-06
LOCATION	1601 Webster Street, Alameda, California	**DRILLING COMPLETED**	17-Jul-06
PROJECT NUMBER	0467	**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	10"	**SCREENED INTERVAL**	4 to 12 ft bgs
LOGGED BY	J. Gerbrandt	**DEPTH TO WATER (First Encountered)**	7.0 ft (17-Jul-06)
REVIEWED BY	A. Friel, PG 6452	**DEPTH TO WATER (Static)**	NA
REMARKS	Air knifed to 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	0.4	Portland Type I/II
					GM		**Silty GRAVEL with Sand (GM)**; dark yellowish brown (10YR 4/4); dry; 5% clay, 15% silt, 20% fine to coarse sand, 60% fine gravel.	0.8	
					ML		**Sandy SILT (ML)**; greenish gray (10Y 5/1); moist; 30% clay, 35% silt, 30% fine to coarse sand, 5% fine gravel.		Bentonite Seal
								3.0	
					SP		**SAND (SP)**; dark greenish gray (10Y 4/1); moist; 5% silt, 95% fine sand.		Monterey Sand #2/12
1,032	3 6 12			5			@ 7.0' - wet.	7.8	
324		S-8-8.0'			ML		**Sandy SILT (ML)**; dark greenish gray (5GY 4/1); very stiff; wet; 25% clay, 35% silt, 40% fine sand.		4"-diam., 0.020" Slotted Schedule 40 PVC
				10				9.5	
	12 19 15				SM		**Silty SAND (SM)**; dark greenish gray (5GY 4/1); dense; wet; 20% silt, 80% fine sand.		
15.9		S-8-11.5'						12.0	Bottom of Boring @ 12 ft

WELL LOG (PID) \\10\CAMENVDCS\ONOMA\SHELL\ALAMEDA 1601 WEBSTER ST\GINT\ALAMEDA.GPJ DEFAULT.GDT 10/4/06

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**	S-9/S-9
JOB/SITE NAME	Shell-branded Service Station	**DRILLING STARTED**	17-Jul-06
LOCATION	1601 Webster Street, Alameda, California	**DRILLING COMPLETED**	17-Jul-06
PROJECT NUMBER	0467	**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	10"	**SCREENED INTERVAL**	4 to 12 ft bgs
LOGGED BY	J. Gerbrandt	**DEPTH TO WATER (First Encountered)**	10.5 ft (17-Jul-06)
REVIEWED BY	A. Friel, PG 6452	**DEPTH TO WATER (Static)**	NA
REMARKS	Air knifed to 5 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	0.3	Portland Type I/II
					GM		**Silty GRAVEL with Sand (GM)**; yellowish brown (10YR 5/6); dry; 5% clay, 25% silt, 25% fine to coarse sand, 45% fine gravel.	0.8	
					ML		**Sandy SILT (ML)**; yellowish brown (10YR 5/4); moist; 30% clay, 35% silt, 30% fine to coarse sand, 5% fine gravel.	2.0	Bentonite Seal
0.0					SM		**Silty SAND (SM)**; very dark grayish brown (10YR 3/2); dry; 15% clay, 20% silt, 65% fine sand. @ 3.0 - 5.0' - bricks present.		Monterey Sand #2/12
0.0	1 2 5	S-9-5.0'		5			**SAND with Gravel (SP)**; very dark gray (2.5Y 3/1); loose; dry; 5% silt, 85% fine to medium sand, 5% fine gravel.	5.0	
					SP			8.0	4"-diam., 0.020" Slotted Schedule 40 PVC
				10	SM				
197.7	6 9 11						**Silty SAND (SM)**; dark yellowish brown (10YR 4/4); medium dense; wet; 30% silt, 70% fine sand.		
0.0		S-9-11.5'						12.0	Bottom of Boring @ 12 ft

WELL LOG (PID) \\10CAMENVDCS\ONOMA.SHELL\ALAMEDA 1601 WEBSTER ST\GINT\ALAMEDA.GPJ DEFAULT.GDT 10/4/06

Attachment D

Waste Disposal Manifest

FORWARD, INCORPORATED

9999 South Austin Road
Manteca, CA 95336
Landfill: (209) 982-4298 Fax (209) 982-1009
Resource Recovery: (209) 982-4298

P.O. Box 6336
Stockton, CA 95206
Main Office: (209) 466-4482
Fax: (209) 465-0631

DATE 7.400

TRUCK LIC.# _____

CUSTOMER NO. 6600

TRUCK NO. MANUEL

TRAILER LIC. # _____

BILL TO: Shell

241181

SIZE YDS.	DESCRIPTION	NOTES	
	☑ REFUSE ☐ TREATED WOOD		25420 GROSS
	☐ SLUDGE ☐ ASH		21,100 TARE
	☐ ASBESTOS ☐ NON-FRIABLE ASBESTOS		4520 NET
6 drms.	☒ SOIL ☐ SOIL		
	☐ STOCKPILE		2.26 TONS

IN _____ A.M./P.M.

Signed _____

OUT _____ A.M./P.M.

☐ **Keller Canyon Sanitary Landfill**
901 Bailey Road
Pittsburg, CA 94565
Phone (925) 458-9800
Fax (925) 458-9891

☐ **Ox Mountain Sanitary Landfill**
12310 San Mateo Road
Half Moon Bay, CA 94019
Phone (650) 726-1819
Fax (650) 726-9183

☐ **Newby Island Sanitary Landfill**
1601 Dixon Landing Road
Milpitas, CA 95035
Phone (408) 945-2800
Fax (408) 262-2871

☐ **Forward Landfill**
9999 S. Austin Road
Manteca, CA 95336
Phone (209) 982-4298
Fax (209) 982-1009

NON-HAZARDOUS WASTE MANIFEST

GENERATOR
Equilon Enterprises, LLC

MAILING ADDRESS
P.O. Box 7869

CITY, STATE, ZIP
Burbank, CA 91510

PHONE
707-865-0251

CONTACT PERSON
Denis Brown

SIGNATURE OF AUTHORIZED AGENT / TITLE | DATE

*

GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.

WASTE TYPE:

- ☐ DISPOSAL
- ☐ CONSTRUCTION
- ☐ DEBRIS
- ☐ SPECIAL WASTE
- ☐ SLUDGE
- ☐ WOOD
- ☐ OTHER

GENERATING FACILITY
1601 Webster Street, Alameda, CA

WASTE ACCEPTANCE NO.
– # 6600

REQUIRED PERSONAL PROTECTIVE EQUIPMENT
☐ GLOVES ☐ GOGGLES ☐ RESPIRATOR ☐ HARD HAT
☐ TY-VEK ☐ OTHER

SPECIAL HANDLING PROCEDURES:

RECEIVING FACILITY

RIPR # 54619 SAP# N/A
Incident# 97564701 WIC #: N/A

TRANSPORTER
Manley & Sons Trucking, Inc.

ADDRESS
8896 Elder Creek Rd.

CITY, STATE, ZIP
Sacramento, CA 95828

PHONE
(916) 381-6864

SIGNATURE OF AUTHORIZED AGENT OR DRIVER | DATE

* 9/4/06

NOTES:

VEHICLE LICENSE NUMBER	TRUCK NUMBER
4T66002	42

END DUMP	BOTTOM DUMP	TRANSFER
☐	☐	☐

ROLL-OFF(S)	FLAT-BED	VAN	DRUMS
☐	☐	☐	☐

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

REMARKS

FACILITY TICKET NUMBER

SIGNATURE OF AUTHORIZED AGENT | DATE

* 9/4/06

CUBIC YARDS
6- 55 gal drums

DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)

	DISPOSE	OTHER
☐ SOIL		
☐ CONSTRUCTION DEBRIS		
☐ NON-FRIABLE ASBESTOS		
☐ WOOD		
☐ ASH		
☐ SPECIAL OTHER		

SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.

GENERATOR COPY

MANIFEST # 443191

Attachment E

Survey Data

August 21, 2006
Project No.: 2640-04B

Ana Friel
Cambria Environmental
270 Perkins St.
Sonoma, Ca. 95476

Subject: Monitoring Well Survey
Shell Service Station
1601 Webster Street
Alameda, CA

Dear Ana:

This is to confirm that we have proceeded at your request to survey the ground water monitoring wells located at the above referenced location. The survey was performed on August 17, 2006. The benchmark for this survey was a brass disk marked WEB PAC 1947, in a monument well at the northwest corner of Webster Street and Pacific Avenue. The latitude, longitude and coordinates are for top of casings and are based on the California State Coordinate System, Zone III (NAD83).
Benchmark Elevation = 16.81 feet (NAVD 88).

Latitude	Longitude	Northing	Easting	Elev.	Desc.
				19.10	RIM S-4B
37.7757289	-122.2768752	2109797.51	6048147.57	18.78	TOC S-4B
				19.90	RIM S-7
37.7754365	-122.2769449	2109691.46	6048125.40	19.44	TOC S-7
				20.50	RIM S-8
37.7754829	-122.2770621	2109708.98	6048091.85	20.11	TOC S-8
				19.97	RIM S-9
37.7753809	-122.2769623	2109671.29	6048119.99	19.60	TOC S-9

Sincerely,

Virgil D. Chavez, PLS 6323

Attachment F

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

3 August, 2006

Ana Friel
Cambria Environmental - Sonoma
270 Perkins Street
Sonoma, CA 95476

RE: Shell 1601 Webster St. Alameda
Work Order: S607287

Enclosed are the results of analyses for samples received by the laboratory on 07/19/06 10:05. 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 - Sonoma	Project: Shell 1601 Webster St. Alameda	S607287
270 Perkins Street	Project Number: 97564701 SAP# 135032	**Reported:**
Sonoma CA, 95476	Project Manager: Ana Friel	08/03/06 15:17

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
S-8-8.0'	S607287-01	Soil	07/17/06 09:25	07/19/06 10:05
S-8-11.5'	S607287-02	Soil	07/17/06 09:50	07/19/06 10:05
S-9-5.0'	S607287-03	Soil	07/17/06 10:55	07/19/06 10:05
S-9-11.5'	S607287-04	Soil	07/17/06 11:10	07/19/06 10:05
S-4B-6.0'	S607287-05	Soil	07/17/06 13:25	07/19/06 10:05
S-4B-11.0'	S607287-06	Soil	07/17/06 13:35	07/19/06 10:05
S-4B-16.0'	S607287-07	Soil	07/17/06 13:45	07/19/06 10:05
S-4B-19.5'	S607287-08	Soil	07/17/06 13:55	07/19/06 10:05

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Cambria Environmental - Sonoma	Project: Shell 1601 Webster St. Alameda	S607287
270 Perkins Street	Project Number: 97564701 SAP# 135032	**Reported:**
Sonoma CA, 95476	Project Manager: Ana Friel	08/03/06 15:17

Gasoline\BTEX\Oxygenates by EPA method 8260B

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-8-8.0' (S607287-01) Soil Sampled: 07/17/06 09:25 Received: 07/19/06 10:05									
Tert-butyl alcohol	ND	2.5	mg/kg	50	6070300	07/25/06	07/26/06	EPA 8260B	
Methyl tert-butyl ether	ND	0.25	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.25	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	0.25	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.25	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.25	"	"	"	"	"	"	
Benzene	**1.0**	0.25	"	"	"	"	"	"	
Ethylbenzene	**15**	0.25	"	"	"	"	"	"	E
Toluene	ND	0.25	"	"	"	"	"	"	
Xylenes (total)	**64**	0.50	"	"	"	"	"	"	E
Gasoline Range Organics (C4-C12)	**1500**	50	"	"	"	"	"	"	E
Surrogate: 1,2-DCA-d4		*88 %*		*60-140*	"	"	"	"	
Surrogate: Toluene-d8		*119 %*		*60-140*	"	"	"	"	
Surrogate: 4-BFB		*99 %*		*60-140*	"	"	"	"	
S-8-8.0' (S607287-01RE1) Soil Sampled: 07/17/06 09:25 Received: 07/19/06 10:05									
Ethylbenzene	**90**	5.0	mg/kg	1000	6070334	07/25/06	07/28/06	EPA 8260B	
Xylenes (total)	**310**	10	"	"	"	"	"	"	E
Gasoline Range Organics (C4-C12)	**3700**	1000	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*93 %*		*60-140*	"	"	"	"	
Surrogate: Toluene-d8		*113 %*		*60-140*	"	"	"	"	
Surrogate: 4-BFB		*99 %*		*60-140*	"	"	"	"	
S-8-11.5' (S607287-02) Soil Sampled: 07/17/06 09:50 Received: 07/19/06 10:05									
Tert-butyl alcohol	ND	2.5	mg/kg	50	6070334	07/25/06	07/27/06	EPA 8260B	
Methyl tert-butyl ether	ND	0.25	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.25	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	0.25	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.25	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.25	"	"	"	"	"	"	
Benzene	ND	0.25	"	"	"	"	"	"	
Ethylbenzene	**0.89**	0.25	"	"	"	"	"	"	
Toluene	ND	0.25	"	"	"	"	"	"	
Xylenes (total)	**2.5**	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*96 %*		*60-140*	"	"	"	"	
Surrogate: Toluene-d8		*122 %*		*60-140*	"	"	"	"	

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Cambria Environmental - Sonoma	Project: Shell 1601 Webster St. Alameda	S607287
270 Perkins Street	Project Number: 97564701 SAP# 135032	**Reported:**
Sonoma CA, 95476	Project Manager: Ana Friel	08/03/06 15:17

Gasoline\BTEX\Oxygenates by EPA method 8260B

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-8-11.5' (S607287-02) Soil Sampled: 07/17/06 09:50 Received: 07/19/06 10:05									
Surrogate: 4-BFB		*100 %*	*60-140*		*6070334*	*07/25/06*	*07/27/06*	*EPA 8260B*	
S-9-5.0' (S607287-03) Soil Sampled: 07/17/06 10:55 Received: 07/19/06 10:05									
Tert-butyl alcohol	ND	2.5	mg/kg	50	6070300	07/25/06	07/26/06	EPA 8260B	
Methyl tert-butyl ether	ND	0.25	"	"	"	"	"	"	
Di-isopropyl ether	ND	0.50	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	0.25	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	0.25	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.25	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.25	"	"	"	"	"	"	
Benzene	ND	0.25	"	"	"	"	"	"	
Ethylbenzene	**2.0**	0.25	"	"	"	"	"	"	
Toluene	ND	0.25	"	"	"	"	"	"	
Xylenes (total)	**3.5**	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**110**	50	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*92 %*	*60-140*		"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*60-140*		"	"	"	"	
Surrogate: 4-BFB		*99 %*	*60-140*		"	"	"	"	
S-9-11.5' (S607287-04) Soil Sampled: 07/17/06 11:10 Received: 07/19/06 10:05									
Tert-butyl alcohol	ND	0.050	mg/kg	1	6070250	07/21/06	07/22/06	EPA 8260B	
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)	**0.010**	0.010	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	1.0	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*97 %*	*60-140*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*60-140*		"	"	"	"	
Surrogate: 4-BFB		*97 %*	*60-140*		"	"	"	"	

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Cambria Environmental - Sonoma	Project: Shell 1601 Webster St. Alameda	S607287
270 Perkins Street	Project Number: 97564701 SAP# 135032	**Reported:**
Sonoma CA, 95476	Project Manager: Ana Friel	08/03/06 15:17

Gasoline\BTEX\Oxygenates by EPA method 8260B

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-4B-6.0' (S607287-05) Soil Sampled: 07/17/06 13:25 Received: 07/19/06 10:05									
Tert-butyl alcohol	ND	0.050	mg/kg	1	6070250	07/21/06	07/22/06	EPA 8260B	
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		*94 %*	*60-140*		"	"	"	"	
Surrogate: Toluene-d8		*108 %*	*60-140*		"	"	"	"	
Surrogate: 4-BFB		*95 %*	*60-140*		"	"	"	"	
S-4B-11.0' (S607287-06) Soil Sampled: 07/17/06 13:35 Received: 07/19/06 10:05									
Tert-butyl alcohol	**0.56**	0.050	mg/kg	1	6070250	07/21/06	07/22/06	EPA 8260B	
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		*103 %*	*60-140*		"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*60-140*		"	"	"	"	
Surrogate: 4-BFB		*99 %*	*60-140*		"	"	"	"	

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270 Perkins Street	Project Number: 97564701 SAP# 135032	**Reported:**
Sonoma CA, 95476	Project Manager: Ana Friel	08/03/06 15:17

Gasoline\BTEX\Oxygenates by EPA method 8260B

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-4B-16.0' (S607287-07) Soil Sampled: 07/17/06 13:45 Received: 07/19/06 10:05									
Tert-butyl alcohol	**0.30**	0.050	mg/kg	1	6070251	07/21/06	07/23/06	EPA 8260B	CC02
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		*100 %*		*60-140*	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*60-140*	"	"	"	"	
Surrogate: 4-BFB		*96 %*		*60-140*	"	"	"	"	
S-4B-19.5' (S607287-08) Soil Sampled: 07/17/06 13:55 Received: 07/19/06 10:05									
Tert-butyl alcohol	**0.13**	0.050	mg/kg	1	6070251	07/21/06	07/23/06	EPA 8260B	CC02
Methyl tert-butyl ether	**0.28**	0.0050	"	"	"	"	"	"	E
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		*97 %*		*60-140*	"	"	"	"	
Surrogate: Toluene-d8		*104 %*		*60-140*	"	"	"	"	
Surrogate: 4-BFB		*97 %*		*60-140*	"	"	"	"	

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Cambria Environmental - Sonoma	Project: Shell 1601 Webster St. Alameda	S607287
270 Perkins Street	Project Number: 97564701 SAP# 135032	**Reported:**
Sonoma CA, 95476	Project Manager: Ana Friel	08/03/06 15:17

Gasoline\BTEX\Oxygenates by EPA method 8260B

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-4B-19.5' (S607287-08RE1) Soil	**Sampled: 07/17/06 13:55**	**Received: 07/19/06 10:05**							
Methyl tert-butyl ether	**0.31**	0.025	mg/kg	5	6070321	07/27/06	07/27/06	EPA 8260B	
Surrogate: 1,2-DCA-d4		*101 %*	*60-140*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*60-140*		"	"	"	"	
Surrogate: 4-BFB		*107 %*	*60-140*		"	"	"	"	

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Cambria Environmental - Sonoma	Project: Shell 1601 Webster St. Alameda	S607287
270 Perkins Street	Project Number: 97564701 SAP# 135032	**Reported:**
Sonoma CA, 95476	Project Manager: Ana Friel	08/03/06 15:17

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

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6070250 - EPA 5030B [P/T] / EPA 8260B										
Blank (6070250-BLK1)				Prepared & Analyzed: 07/21/06						
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	*0.00985*		*"*	*0.0100*		*98*	*60-140*			
Surrogate: Toluene-d8	*0.0106*		*"*	*0.0100*		*106*	*60-140*			
Surrogate: 4-BFB	*0.00986*		*"*	*0.0100*		*99*	*60-140*			
Laboratory Control Sample (6070250-BS1)				Prepared & Analyzed: 07/21/06						
Methyl tert-butyl ether	0.0434	0.0050	mg/kg	0.0500		87	60-140			
Benzene	0.0533	0.0050	"	0.0500		107	70-130			
Toluene	0.0558	0.0050	"	0.0500		112	70-130			
Surrogate: 1,2-DCA-d4	*0.00906*		*"*	*0.0100*		*91*	*60-140*			
Surrogate: Toluene-d8	*0.0102*		*"*	*0.0100*		*102*	*60-140*			
Surrogate: 4-BFB	*0.00972*		*"*	*0.0100*		*97*	*60-140*			
Laboratory Control Sample (6070250-BS2)				Prepared & Analyzed: 07/21/06						
Toluene	0.175	0.0050	mg/kg	0.188		93	70-130			
Gasoline Range Organics (C4-C12)	2.75	1.0	"	2.20		125	70-130			
Surrogate: 1,2-DCA-d4	*0.00941*		*"*	*0.0100*		*94*	*60-140*			
Surrogate: Toluene-d8	*0.0107*		*"*	*0.0100*		*107*	*60-140*			
Surrogate: 4-BFB	*0.00999*		*"*	*0.0100*		*100*	*60-140*			

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270 Perkins Street	Project Number: 97564701 SAP# 135032	**Reported:**
Sonoma CA, 95476	Project Manager: Ana Friel	08/03/06 15:17

Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6070250 - EPA 5030B [P/T] / EPA 8260B										
Matrix Spike (6070250-MS1)	**Source: S607292-02RE1**			Prepared & Analyzed: 07/21/06						
Methyl tert-butyl ether	0.0404	0.0050	mg/kg	0.0500	ND	81	60-140			
Benzene	0.0489	0.0050	"	0.0500	ND	98	60-140			
Toluene	0.0528	0.0050	"	0.0500	0.00259	100	60-140			
Surrogate: 1,2-DCA-d4	*0.00961*		*"*	*0.0100*		*96*	*60-140*			
Surrogate: Toluene-d8	*0.0102*		*"*	*0.0100*		*102*	*60-140*			
Surrogate: 4-BFB	*0.0100*		*"*	*0.0100*		*100*	*60-140*			
Matrix Spike (6070250-MS2)	**Source: S607292-01RE1**			Prepared & Analyzed: 07/21/06						
Methyl tert-butyl ether	0.0233	0.0050	mg/kg	0.0520	ND	45	60-140			QC02
Benzene	0.0226	0.0050	"	0.0388	ND	58	60-140			QC02
Toluene	0.173	0.0050	"	0.188	ND	92	60-140			
Gasoline Range Organics (C4-C12)	2.44	1.0	"	2.20	ND	111	60-140			
Surrogate: 1,2-DCA-d4	*0.00955*		*"*	*0.0100*		*96*	*60-140*			
Surrogate: Toluene-d8	*0.0110*		*"*	*0.0100*		*110*	*60-140*			
Surrogate: 4-BFB	*0.00983*		*"*	*0.0100*		*98*	*60-140*			
Matrix Spike Dup (6070250-MSD1)	**Source: S607292-02RE1**			Prepared & Analyzed: 07/21/06						
Methyl tert-butyl ether	0.0385	0.0050	mg/kg	0.0500	ND	77	60-140	5	25	
Benzene	0.0461	0.0050	"	0.0500	ND	92	60-140	6	25	
Toluene	0.0492	0.0050	"	0.0500	0.00259	93	60-140	7	25	
Surrogate: 1,2-DCA-d4	*0.00965*		*"*	*0.0100*		*97*	*60-140*			
Surrogate: Toluene-d8	*0.0105*		*"*	*0.0100*		*105*	*60-140*			
Surrogate: 4-BFB	*0.0102*		*"*	*0.0100*		*102*	*60-140*			
Matrix Spike Dup (6070250-MSD2)	**Source: S607292-01RE1**			Prepared & Analyzed: 07/21/06						
Methyl tert-butyl ether	0.0251	0.0050	mg/kg	0.0520	ND	48	60-140	7	25	QC02
Benzene	0.0215	0.0050	"	0.0388	ND	55	60-140	5	25	QC02
Toluene	0.157	0.0050	"	0.188	ND	84	60-140	10	25	
Gasoline Range Organics (C4-C12)	2.18	1.0	"	2.20	ND	99	60-140	11	25	
Surrogate: 1,2-DCA-d4	*0.00937*		*"*	*0.0100*		*94*	*60-140*			
Surrogate: Toluene-d8	*0.0108*		*"*	*0.0100*		*108*	*60-140*			
Surrogate: 4-BFB	*0.00972*		*"*	*0.0100*		*97*	*60-140*			

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Cambria Environmental - Sonoma	Project: Shell 1601 Webster St. Alameda	S607287
270 Perkins Street	Project Number: 97564701 SAP# 135032	**Reported:**
Sonoma CA, 95476	Project Manager: Ana Friel	08/03/06 15:17

Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6070251 - EPA 5030B [P/T] / EPA 8260B										
Blank (6070251-BLK1)				Prepared & Analyzed: 07/21/06						
Ethanol	ND	0.20	mg/kg							
Tert-butyl alcohol	ND	0.050	"							CC02
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	*0.00985*		"	*0.0100*		*98*	*60-140*			
Surrogate: Toluene-d8	*0.0106*		"	*0.0100*		*106*	*60-140*			
Surrogate: 4-BFB	*0.00986*		"	*0.0100*		*99*	*60-140*			
Blank (6070251-BLK2)				Prepared & Analyzed: 07/25/06						
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	*0.0102*		"	*0.0100*		*102*	*60-140*			
Surrogate: Toluene-d8	*0.0106*		"	*0.0100*		*106*	*60-140*			
Surrogate: 4-BFB	*0.00979*		"	*0.0100*		*98*	*60-140*			

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Cambria Environmental - Sonoma	Project: Shell 1601 Webster St. Alameda	S607287
270 Perkins Street	Project Number: 97564701 SAP# 135032	**Reported:**
Sonoma CA, 95476	Project Manager: Ana Friel	08/03/06 15:17

Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6070251 - EPA 5030B [P/T] / EPA 8260B										
Blank (6070251-BLK3)				Prepared & Analyzed: 07/26/06						
Ethanol	0.287	0.20	mg/kg							QB02
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	*0.00929*		*"*	*0.0100*		*93*	*60-140*			
Surrogate: Toluene-d8	*0.0111*		*"*	*0.0100*		*111*	*60-140*			
Surrogate: 4-BFB	*0.00971*		*"*	*0.0100*		*97*	*60-140*			
Laboratory Control Sample (6070251-BS1)				Prepared & Analyzed: 07/21/06						
Toluene	0.175	0.0050	mg/kg	0.188		93	70-130			
Gasoline Range Organics (C4-C12)	2.75	1.0	"	2.20		125	70-130			
Surrogate: 1,2-DCA-d4	*0.00941*		*"*	*0.0100*		*94*	*60-140*			
Surrogate: Toluene-d8	*0.0107*		*"*	*0.0100*		*107*	*60-140*			
Surrogate: 4-BFB	*0.00999*		*"*	*0.0100*		*100*	*60-140*			
Laboratory Control Sample (6070251-BS2)				Prepared & Analyzed: 07/21/06						
Methyl tert-butyl ether	0.0434	0.0050	mg/kg	0.0500		87	60-140			
Benzene	0.0533	0.0050	"	0.0500		107	70-130			
Toluene	0.0558	0.0050	"	0.0500		112	70-130			
Surrogate: 1,2-DCA-d4	*0.00906*		*"*	*0.0100*		*91*	*60-140*			
Surrogate: Toluene-d8	*0.0102*		*"*	*0.0100*		*102*	*60-140*			
Surrogate: 4-BFB	*0.00972*		*"*	*0.0100*		*97*	*60-140*			

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Cambria Environmental - Sonoma	Project: Shell 1601 Webster St. Alameda	S607287
270 Perkins Street	Project Number: 97564701 SAP# 135032	**Reported:**
Sonoma CA, 95476	Project Manager: Ana Friel	08/03/06 15:17

Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6070251 - EPA 5030B [P/T] / EPA 8260B										
Laboratory Control Sample (6070251-BS3)				Prepared & Analyzed: 07/25/06						
Methyl tert-butyl ether	0.0354	0.0050	mg/kg	0.0520		68	60-140			
Toluene	0.178	0.0050	"	0.188		95	70-130			
Gasoline Range Organics (C4-C12)	2.04	1.0	"	2.20		93	70-130			
Surrogate: 1,2-DCA-d4	*0.00973*		"	*0.0100*		*97*	*60-140*			
Surrogate: Toluene-d8	*0.0109*		"	*0.0100*		*109*	*60-140*			
Surrogate: 4-BFB	*0.0100*		"	*0.0100*		*100*	*60-140*			
Laboratory Control Sample (6070251-BS4)				Prepared & Analyzed: 07/25/06						
Methyl tert-butyl ether	0.0421	0.0050	mg/kg	0.0500		84	60-140			
Benzene	0.0521	0.0050	"	0.0500		104	70-130			
Toluene	0.0531	0.0050	"	0.0500		106	70-130			
Surrogate: 1,2-DCA-d4	*0.00960*		"	*0.0100*		*96*	*60-140*			
Surrogate: Toluene-d8	*0.0106*		"	*0.0100*		*106*	*60-140*			
Surrogate: 4-BFB	*0.00982*		"	*0.0100*		*98*	*60-140*			
Laboratory Control Sample (6070251-BS5)				Prepared & Analyzed: 07/26/06						
Toluene	0.141	0.0050	mg/kg	0.188		75	70-130			
Gasoline Range Organics (C4-C12)	1.86	1.0	"	2.20		85	70-130			
Surrogate: 1,2-DCA-d4	*0.00892*		"	*0.0100*		*89*	*60-140*			
Surrogate: Toluene-d8	*0.0111*		"	*0.0100*		*111*	*60-140*			
Surrogate: 4-BFB	*0.0102*		"	*0.0100*		*102*	*60-140*			
Laboratory Control Sample (6070251-BS6)				Prepared & Analyzed: 07/26/06						
Methyl tert-butyl ether	0.0355	0.0050	mg/kg	0.0500		71	60-140			
Benzene	0.0415	0.0050	"	0.0500		83	70-130			
Toluene	0.0432	0.0050	"	0.0500		86	70-130			
Surrogate: 1,2-DCA-d4	*0.00945*		"	*0.0100*		*94*	*60-140*			
Surrogate: Toluene-d8	*0.0106*		"	*0.0100*		*106*	*60-140*			
Surrogate: 4-BFB	*0.0101*		"	*0.0100*		*101*	*60-140*			

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Cambria Environmental - Sonoma	Project: Shell 1601 Webster St. Alameda	S607287
270 Perkins Street	Project Number: 97564701 SAP# 135032	**Reported:**
Sonoma CA, 95476	Project Manager: Ana Friel	08/03/06 15:17

Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6070251 - EPA 5030B [P/T] / EPA 8260B										
Matrix Spike (6070251-MS1)	**Source: S607322-21**			Prepared & Analyzed: 07/26/06						
Methyl tert-butyl ether	0.0345	0.0050	mg/kg	0.0520	ND	66	60-140			
Benzene	0.0252	0.0050	"	0.0388	ND	65	60-140			
Toluene	0.155	0.0050	"	0.188	ND	82	60-140			
Gasoline Range Organics (C4-C12)	1.86	1.0	"	2.20	ND	85	60-140			
Surrogate: 1,2-DCA-d4	*0.00791*		"	*0.0100*		*79*	*60-140*			
Surrogate: Toluene-d8	*0.0112*		"	*0.0100*		*112*	*60-140*			
Surrogate: 4-BFB	*0.0102*		"	*0.0100*		*102*	*60-140*			
Matrix Spike (6070251-MS2)	**Source: S607322-21**			Prepared & Analyzed: 07/26/06						
Methyl tert-butyl ether	0.0355	0.0050	mg/kg	0.0500	ND	71	60-140			
Benzene	0.0464	0.0050	"	0.0500	ND	93	60-140			
Toluene	0.0470	0.0050	"	0.0500	ND	94	60-140			
Surrogate: 1,2-DCA-d4	*0.0101*		"	*0.0100*		*101*	*60-140*			
Surrogate: Toluene-d8	*0.0105*		"	*0.0100*		*105*	*60-140*			
Surrogate: 4-BFB	*0.00994*		"	*0.0100*		*99*	*60-140*			
Matrix Spike Dup (6070251-MSD1)	**Source: S607322-21**			Prepared & Analyzed: 07/26/06						
Methyl tert-butyl ether	0.0293	0.0050	mg/kg	0.0520	ND	56	60-140	16	25	QM02
Benzene	0.0215	0.0050	"	0.0388	ND	55	60-140	16	25	QM02
Toluene	0.144	0.0050	"	0.188	ND	77	60-140	7	25	
Gasoline Range Organics (C4-C12)	1.70	1.0	"	2.20	ND	77	60-140	9	25	
Surrogate: 1,2-DCA-d4	*0.00952*		"	*0.0100*		*95*	*60-140*			
Surrogate: Toluene-d8	*0.0110*		"	*0.0100*		*110*	*60-140*			
Surrogate: 4-BFB	*0.0100*		"	*0.0100*		*100*	*60-140*			
Matrix Spike Dup (6070251-MSD2)	**Source: S607322-21**			Prepared & Analyzed: 07/26/06						
Methyl tert-butyl ether	0.0410	0.0050	mg/kg	0.0500	ND	82	60-140	14	25	
Benzene	0.0425	0.0050	"	0.0500	ND	85	60-140	9	25	
Toluene	0.0428	0.0050	"	0.0500	ND	86	60-140	9	25	
Surrogate: 1,2-DCA-d4	*0.0100*		"	*0.0100*		*100*	*60-140*			
Surrogate: Toluene-d8	*0.0102*		"	*0.0100*		*102*	*60-140*			
Surrogate: 4-BFB	*0.0104*		"	*0.0100*		*104*	*60-140*			

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Cambria Environmental - Sonoma	Project: Shell 1601 Webster St. Alameda	S607287
270 Perkins Street	Project Number: 97564701 SAP# 135032	**Reported:**
Sonoma CA, 95476	Project Manager: Ana Friel	08/03/06 15:17

Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6070300 - EPA 5030B [MeOH] / EPA 8260B										
Blank (6070300-BLK1)				Prepared: 07/25/06 Analyzed: 07/26/06						
Ethanol	ND	10	mg/kg							
Tert-butyl alcohol	ND	2.5	"							
Methyl tert-butyl ether	ND	0.25	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.25	"							
Tert-amyl methyl ether	ND	0.25	"							
1,2-Dichloroethane	ND	0.25	"							
1,2-Dibromoethane (EDB)	ND	0.25	"							
Benzene	ND	0.25	"							
Ethylbenzene	ND	0.25	"							
Toluene	ND	0.25	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-DCA-d4	*0.00985*		"	*0.0100*		*98*	*60-140*			
Surrogate: Toluene-d8	*0.0104*		"	*0.0100*		*104*	*60-140*			
Surrogate: 4-BFB	*0.00977*		"	*0.0100*		*98*	*60-140*			
Laboratory Control Sample (6070300-BS1)				Prepared & Analyzed: 07/25/06						
Gasoline Range Organics (C4-C12)	2.04	1.0	mg/kg	2.20		93	70-130			
Surrogate: 1,2-DCA-d4	*0.00973*		"	*0.0100*		*97*	*60-140*			
Surrogate: Toluene-d8	*0.0109*		"	*0.0100*		*109*	*60-140*			
Surrogate: 4-BFB	*0.0100*		"	*0.0100*		*100*	*60-140*			
Laboratory Control Sample (6070300-BS2)				Prepared & Analyzed: 07/25/06						
Methyl tert-butyl ether	0.0421	0.0050	mg/kg	0.0500		84	60-140			
Benzene	0.0521	0.0050	"	0.0500		104	70-130			
Toluene	0.0531	0.0050	"	0.0500		106	70-130			
Surrogate: 1,2-DCA-d4	*0.00960*		"	*0.0100*		*96*	*60-140*			
Surrogate: Toluene-d8	*0.0106*		"	*0.0100*		*106*	*60-140*			
Surrogate: 4-BFB	*0.00982*		"	*0.0100*		*98*	*60-140*			

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Cambria Environmental - Sonoma	Project: Shell 1601 Webster St. Alameda	S607287
270 Perkins Street	Project Number: 97564701 SAP# 135032	**Reported:**
Sonoma CA, 95476	Project Manager: Ana Friel	08/03/06 15:17

Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6070300 - EPA 5030B [MeOH] / EPA 8260B										
Laboratory Control Sample Dup (6070300-BSD1)				Prepared & Analyzed: 07/25/06						
Gasoline Range Organics (C4-C12)	1.61	1.0	mg/kg	2.20		73	70-130	24	25	
Surrogate: 1,2-DCA-d4	*0.00985*		*"*	*0.0100*		*98*	*60-140*			
Surrogate: Toluene-d8	*0.0108*		*"*	*0.0100*		*108*	*60-140*			
Surrogate: 4-BFB	*0.00986*		*"*	*0.0100*		*99*	*60-140*			
Batch 6070321 - EPA 5030B [P/T] / EPA 8260B										
Blank (6070321-BLK1)				Prepared: 07/27/06 Analyzed: 07/28/06						
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	*0.00964*		*"*	*0.0100*		*96*	*60-140*			
Surrogate: Toluene-d8	*0.0105*		*"*	*0.0100*		*105*	*60-140*			
Surrogate: 4-BFB	*0.0104*		*"*	*0.0100*		*104*	*60-140*			
Laboratory Control Sample (6070321-BS1)				Prepared: 07/27/06 Analyzed: 07/28/06						
Methyl tert-butyl ether	0.0456	0.0050	mg/kg	0.0500		91	60-140			
Benzene	0.0608	0.0050	"	0.0500		122	70-130			
Toluene	0.0580	0.0050	"	0.0500		116	70-130			
Surrogate: 1,2-DCA-d4	*0.00948*		*"*	*0.0100*		*95*	*60-140*			
Surrogate: Toluene-d8	*0.0102*		*"*	*0.0100*		*102*	*60-140*			
Surrogate: 4-BFB	*0.0105*		*"*	*0.0100*		*105*	*60-140*			

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Cambria Environmental - Sonoma	Project: Shell 1601 Webster St. Alameda	S607287
270 Perkins Street	Project Number: 97564701 SAP# 135032	**Reported:**
Sonoma CA, 95476	Project Manager: Ana Friel	08/03/06 15:17

Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6070321 - EPA 5030B [P/T] / EPA 8260B										
Laboratory Control Sample (6070321-BS2)				Prepared: 07/27/06 Analyzed: 07/28/06						
Methyl tert-butyl ether	0.0432	0.0050	mg/kg	0.0520		83	60-140			
Benzene	0.0285	0.0050	"	0.0388		73	70-130			
Toluene	0.194	0.0050	"	0.188		103	70-130			
Gasoline Range Organics (C4-C12)	2.14	1.0	"	2.20		97	70-130			
Surrogate: 1,2-DCA-d4	*0.00984*		"	*0.0100*		*98*	*60-140*			
Surrogate: Toluene-d8	*0.0112*		"	*0.0100*		*112*	*60-140*			
Surrogate: 4-BFB	*0.0102*		"	*0.0100*		*102*	*60-140*			
Batch 6070334 - EPA 5030B [MeOH] / EPA 8260B										
Blank (6070334-BLK1)				Prepared & Analyzed: 07/25/06						
Ethanol	ND	10	mg/kg							
Tert-butyl alcohol	ND	2.5	"							
Methyl tert-butyl ether	ND	0.25	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.25	"							
Tert-amyl methyl ether	ND	0.25	"							
1,2-Dichloroethane	ND	0.25	"							
1,2-Dibromoethane (EDB)	ND	0.25	"							
Benzene	ND	0.25	"							
Ethylbenzene	ND	0.25	"							
Toluene	ND	0.25	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-DCA-d4	*0.00977*		"	*0.0100*		*98*	*60-140*			
Surrogate: Toluene-d8	*0.0108*		"	*0.0100*		*108*	*60-140*			
Surrogate: 4-BFB	*0.00995*		"	*0.0100*		*100*	*60-140*			

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Cambria Environmental - Sonoma	Project: Shell 1601 Webster St. Alameda	S607287
270 Perkins Street	Project Number: 97564701 SAP# 135032	**Reported:**
Sonoma CA, 95476	Project Manager: Ana Friel	08/03/06 15:17

Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6070334 - EPA 5030B [MeOH] / EPA 8260B										
Laboratory Control Sample (6070334-BS1)				Prepared & Analyzed: 07/25/06						
Methyl tert-butyl ether	0.0354	0.0050	mg/kg	0.0520		68	60-140			
Toluene	0.178	0.0050	"	0.188		95	70-130			
Gasoline Range Organics (C4-C12)	2.04	1.0	"	2.20		93	70-130			
Surrogate: 1,2-DCA-d4	*0.00973*		"	*0.0100*		*97*	*60-140*			
Surrogate: Toluene-d8	*0.0109*		"	*0.0100*		*109*	*60-140*			
Surrogate: 4-BFB	*0.0100*		"	*0.0100*		*100*	*60-140*			
Laboratory Control Sample (6070334-BS2)				Prepared & Analyzed: 07/24/06						
Methyl tert-butyl ether	0.0526	0.0050	mg/kg	0.0500		105	60-140			
Benzene	0.0534	0.0050	"	0.0500		107	70-130			
Toluene	0.0493	0.0050	"	0.0500		99	70-130			
Surrogate: 1,2-DCA-d4	*0.00944*		"	*0.0100*		*94*	*60-140*			
Surrogate: Toluene-d8	*0.0100*		"	*0.0100*		*100*	*60-140*			
Surrogate: 4-BFB	*0.00994*		"	*0.0100*		*99*	*60-140*			
Laboratory Control Sample Dup (6070334-BSD1)				Prepared & Analyzed: 07/25/06						
Gasoline Range Organics (C4-C12)	1.61	1.0	mg/kg	2.20		73	70-130	24	25	
Surrogate: 1,2-DCA-d4	*0.00985*		"	*0.0100*		*98*	*60-140*			
Surrogate: Toluene-d8	*0.0108*		"	*0.0100*		*108*	*60-140*			
Surrogate: 4-BFB	*0.00986*		"	*0.0100*		*99*	*60-140*			
Laboratory Control Sample Dup (6070334-BSD2)				Prepared & Analyzed: 07/25/06						
Methyl tert-butyl ether	0.0421	0.0050	mg/kg	0.0500		84	60-140	22	25	
Benzene	0.0521	0.0050	"	0.0500		104	70-130	2	25	
Toluene	0.0531	0.0050	"	0.0500		106	70-130	7	25	
Surrogate: 1,2-DCA-d4	*0.00960*		"	*0.0100*		*96*	*60-140*			
Surrogate: Toluene-d8	*0.0106*		"	*0.0100*		*106*	*60-140*			
Surrogate: 4-BFB	*0.00982*		"	*0.0100*		*98*	*60-140*			

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Cambria Environmental - Sonoma	Project: Shell 1601 Webster St. Alameda	S607287
270 Perkins Street	Project Number: 97564701 SAP# 135032	**Reported:**
Sonoma CA, 95476	Project Manager: Ana Friel	08/03/06 15:17

Notes and Definitions

QM02	The spike recovery was below control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QC02	The percent recovery was below the control limits.
QB02	The method blank contains this analyte at a concentration above the method reporting limit.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.
CC02	The result was reported with a possible low bias due to the continuing calibration verification falling outside the acceptance criteria.
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

SAP 287

LAB:
- ☐ TA - Irvine, California
- ☐ TA - Morgan Hill, California
- ☑ TA - Sacramento, California
- ☐ TA - Nashville, Tennesee
- ☐ Calscience
- ☐ Other_____

NAME OF PERSON TO BILL: Denis Brown

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

☐ CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

INCIDENT # (ES ONLY): 97564701

PO #:

SAP or CRMT #: 13503

DATE: 7/17/06

PAGE: 1 of 1

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

ADDRESS:	
270 Perkins Street, Sonoma, CA 95476	

PROJECT CONTACT (Hardcopy or PDF Report to):		
Anna Friel		
TELEPHONE: (707) 266-3812	FAX: (707) 935-6649	E-MAIL: afriel@cambria-env.com

SITE ADDRESS: Street and City	State	GLOBAL ID NO.:
1601 Webster St, Alameda	CA	T0600137103

EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
Susan Lukaszewicz, Cambria, Sonoma	707-933-2376	sonomaedf@cambria-env.com	248-0427

SAMPLER NAME(S) (Print): John Gerbrandt

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: John Gerbrandt jgerbrandt@cambria-env.com

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	VOCs by 8260B	Semi-Volatiles by 8270C	Lead ☐ Total ☐ STLC ☐ TCLP	LUFT5 ☐ Total ☐ STLC ☐ TCLP	CAM17 ☐ Total ☐ STLC ☐ TCLP	Test for Disposal (see attached)	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	S-8-8.0'	7/17/06	9:25	Soil	1	X		X	X						X	X					<				PID(ppm)=324
	S-8-11.5'	7/17/06	9:50	Soil	1	X		X	X						X	X									PID(ppm)=15.9
	S-9-5.0'	7/17/06	10:55	Soil	1	X		X	X						X	X									PID(ppm)=0.0
	S-9-11.5'	7/17/06	11:10	Soil	1	X		X	X						X	X									PID(ppm)=0.0
	S-4B-6.0'	7/17/06	13:25	Soil	1	X		X	X						X	X									PID(ppm)=0.0
	S-4B-11.0'	7/17/06	13:35	Soil	1	X		X	X						X	X									PID(ppm)=0.0
	S-4B-16.0'	7/17/06	13:45	Soil	1	X		X	X						X	X									PID(ppm)=0.0
	S-4B-19.5'	7/17/06	13:55	Soil	1	X		X	X						X	X									PID(ppm)=15.9
																									7.6° C

Relinquished by: (Signature) John Gerbrandt	Received by: (Signature) Sonoma Office (Secure location)	Date: 7/17/06	Time: 17:28
Relinquished by: (Signature) Sonoma Office	Received by: (Signature) [illegible]	Date: 7-18-06	Time: 1150
Relinquished by: (Signature) Jill Hessman TA/PET	Received by: (Signature) [illegible]	Date: 7-19-06	Time: 1005

05/02/06 Revision

C&Q Graphic (714) 899-9702

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3 August, 2006

Ana Friel
Cambria Environmental - Sonoma
270 Perkins Street
Sonoma, CA 95476

RE: Shell 1601 Webster St. Alameda
Work Order: S607288

Enclosed are the results of analyses for samples received by the laboratory on 07/19/06 10:05. 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 - Sonoma	Project:	Shell 1601 Webster St. Alameda	S607288
270 Perkins Street	Project Number:	97564701 SAP# 135032	**Reported:**
Sonoma CA, 95476	Project Manager:	Ana Friel	08/03/06 15:41

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP-1	S607288-01	Soil	07/17/06 14:00	07/19/06 10:05

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Cambria Environmental - Sonoma	Project: Shell 1601 Webster St. Alameda	S607288
270 Perkins Street	Project Number: 97564701 SAP# 135032	**Reported:**
Sonoma CA, 95476	Project Manager: Ana Friel	08/03/06 15:41

ORGANIC LEAD BY GFAA (HML 939-M)

TestAmerica - Irvine, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP-1 (S607288-01) Soil Sampled: 07/17/06 14:00 Received: 07/19/06 10:05									
Organic Lead	ND	25	ug/kg	1	6G31077	07/31/06	07/31/06	HML 939-M	M2

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Cambria Environmental - Sonoma	Project: Shell 1601 Webster St. Alameda	S607288
270 Perkins Street	Project Number: 97564701 SAP# 135032	**Reported:**
Sonoma CA, 95476	Project Manager: Ana Friel	08/03/06 15:41

Gasoline\BTEX\Oxygenates by EPA method 8260B

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP-1 (S607288-01) Soil Sampled: 07/17/06 14:00 Received: 07/19/06 10:05									
Benzene	ND	0.25	mg/kg	50	6070300	07/25/06	07/26/06	EPA 8260B	
Ethylbenzene	**1.2**	0.25	"	"	"	"	"	"	
Toluene	ND	0.25	"	"	"	"	"	"	
Xylenes (total)	**5.1**	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**69**	50	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*94 %*	*60-140*		"	"	"	"	
Surrogate: Toluene-d8		*113 %*	*60-140*		"	"	"	"	
Surrogate: 4-BFB		*97 %*	*60-140*		"	"	"	"	

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Cambria Environmental - Sonoma	Project: Shell 1601 Webster St. Alameda	S607288
270 Perkins Street	Project Number: 97564701 SAP# 135032	**Reported:**
Sonoma CA, 95476	Project Manager: Ana Friel	08/03/06 15:41

Total Metals by EPA 6000/7000 Series Methods

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP-1 (S607288-01) Soil Sampled: 07/17/06 14:00 Received: 07/19/06 10:05									
Lead	**27**	5.0	mg/kg	1	6070299	07/25/06	07/26/06	EPA 6010B	

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Cambria Environmental - Sonoma	Project: Shell 1601 Webster St. Alameda	S607288
270 Perkins Street	Project Number: 97564701 SAP# 135032	**Reported:**
Sonoma CA, 95476	Project Manager: Ana Friel	08/03/06 15:41

ORGANIC LEAD BY GFAA (HML 939-M) - Quality Control

TestAmerica - Irvine, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6G31077 - HML 939-M / HML 939-M										
Blank (6G31077-BLK1)				Prepared & Analyzed: 07/31/06						
Organic Lead	ND	25	ug/kg							
Laboratory Control Sample (6G31077-BS1)				Prepared & Analyzed: 07/31/06						
Organic Lead	115	25	ug/kg	100		115	80-120			
Matrix Spike (6G31077-MS1)	**Source: S607288-01**			Prepared & Analyzed: 07/31/06						
Organic Lead	67.5	25	ug/kg	100	ND	68	80-120			M2
Matrix Spike Dup (6G31077-MSD1)	**Source: S607288-01**			Prepared & Analyzed: 07/31/06						
Organic Lead	100	25	ug/kg	100	ND	100	80-120	39	20	R-3

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Cambria Environmental - Sonoma	Project: Shell 1601 Webster St. Alameda	S607288
270 Perkins Street	Project Number: 97564701 SAP# 135032	**Reported:**
Sonoma CA, 95476	Project Manager: Ana Friel	08/03/06 15:41

Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6070300 - EPA 5030B [MeOH] / EPA 8260B										
Blank (6070300-BLK1)				Prepared: 07/25/06 Analyzed: 07/26/06						
Ethanol	ND	10	mg/kg							
Tert-butyl alcohol	ND	2.5	"							
Methyl tert-butyl ether	ND	0.25	"							
Di-isopropyl ether	ND	0.50	"							
Ethyl tert-butyl ether	ND	0.25	"							
Tert-amyl methyl ether	ND	0.25	"							
1,2-Dichloroethane	ND	0.25	"							
1,2-Dibromoethane (EDB)	ND	0.25	"							
Benzene	ND	0.25	"							
Ethylbenzene	ND	0.25	"							
Toluene	ND	0.25	"							
Xylenes (total)	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-DCA-d4	*0.00985*		"	*0.0100*		*98*	*60-140*			
Surrogate: Toluene-d8	*0.0104*		"	*0.0100*		*104*	*60-140*			
Surrogate: 4-BFB	*0.00977*		"	*0.0100*		*98*	*60-140*			
Laboratory Control Sample (6070300-BS1)				Prepared & Analyzed: 07/25/06						
Gasoline Range Organics (C4-C12)	2.04	1.0	mg/kg	2.20		93	70-130			
Surrogate: 1,2-DCA-d4	*0.00973*		"	*0.0100*		*97*	*60-140*			
Surrogate: Toluene-d8	*0.0109*		"	*0.0100*		*109*	*60-140*			
Surrogate: 4-BFB	*0.0100*		"	*0.0100*		*100*	*60-140*			
Laboratory Control Sample (6070300-BS2)				Prepared & Analyzed: 07/25/06						
Methyl tert-butyl ether	0.0421	0.0050	mg/kg	0.0500		84	60-140			
Benzene	0.0521	0.0050	"	0.0500		104	70-130			
Toluene	0.0531	0.0050	"	0.0500		106	70-130			
Surrogate: 1,2-DCA-d4	*0.00960*		"	*0.0100*		*96*	*60-140*			
Surrogate: Toluene-d8	*0.0106*		"	*0.0100*		*106*	*60-140*			
Surrogate: 4-BFB	*0.00982*		"	*0.0100*		*98*	*60-140*			

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Cambria Environmental - Sonoma	Project: Shell 1601 Webster St. Alameda	S607288
270 Perkins Street	Project Number: 97564701 SAP# 135032	**Reported:**
Sonoma CA, 95476	Project Manager: Ana Friel	08/03/06 15:41

Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6070300 - EPA 5030B [MeOH] / EPA 8260B										
Laboratory Control Sample Dup (6070300-BSD1)				Prepared & Analyzed: 07/25/06						
Gasoline Range Organics (C4-C12)	1.61	1.0	mg/kg	2.20		73	70-130	24	25	
Surrogate: 1,2-DCA-d4	*0.00985*		"	*0.0100*		*98*	*60-140*			
Surrogate: Toluene-d8	*0.0108*		"	*0.0100*		*108*	*60-140*			
Surrogate: 4-BFB	*0.00986*		"	*0.0100*		*99*	*60-140*			

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Cambria Environmental - Sonoma	Project: Shell 1601 Webster St. Alameda	S607288
270 Perkins Street	Project Number: 97564701 SAP# 135032	**Reported:**
Sonoma CA, 95476	Project Manager: Ana Friel	08/03/06 15:41

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 6070299 - EPA 3050B / EPA 6010B										
Blank (6070299-BLK1)				Prepared: 07/25/06	Analyzed: 07/26/06					
Lead	ND	5.0	mg/kg							
Laboratory Control Sample (6070299-BS1)				Prepared: 07/25/06	Analyzed: 07/26/06					
Lead	102	5.0	mg/kg	100		102	80-120			
Matrix Spike (6070299-MS1)	**Source: S607325-01**			Prepared: 07/25/06	Analyzed: 07/26/06					
Lead	65.2	5.0	mg/kg	100	ND	65	75-125			QM02
Matrix Spike Dup (6070299-MSD1)	**Source: S607325-01**			Prepared: 07/25/06	Analyzed: 07/26/06					
Lead	58.7	5.0	mg/kg	100	ND	59	75-125	10	20	QM02

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Cambria Environmental - Sonoma	Project: Shell 1601 Webster St. Alameda	S607288
270 Perkins Street	Project Number: 97564701 SAP# 135032	**Reported:**
Sonoma CA, 95476	Project Manager: Ana Friel	08/03/06 15:41

Notes and Definitions

R-3	The RPD exceeded the method control limit due to sample matrix effects.
QM02	The spike recovery was below control limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
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

SC07288

LAB:
- ☐ TA - Irvine, California
- ☐ TA - Morgan Hill, California
- ☑ TA - Sacramento, California
- ☐ TA - Nashville, Tennesee
- ☐ Calscience
- ☐ Other

NAME OF PERSON TO BILL: Denis Brown

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

☐ CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

INCIDENT # (ES ONLY): 9 7 5 6 4 7 0 1

PO #:

SAP or CRMT #: 1 3 5 0 3 2

DATE: 7/17/06

PAGE: 1 of 1

SAMPLING COMPANY:	Cambria Environmental Technology, Inc.
LOG CODE:	CETS
SITE ADDRESS: Street and City	1601 Webster St, Alameda
State	CA
GLOBAL ID NO.:	T0600137103
ADDRESS:	270 Perkins Street, Sonoma, CA 95476
EDF DELIVERABLE TO (Name, Company, Office Location):	Susan Lukaszewicz, Cambria, Sonoma
PHONE NO.:	707-933-2376
E-MAIL:	sonomaedf@cambria-env.com
CONSULTANT PROJECT NO.:	248-0427
PROJECT CONTACT (Hardcopy or PDF Report to):	Anna Friel
SAMPLER NAME(S) (Print):	John Gerbrandt
TELEPHONE:	(707) 266-3812
FAX:	(707) 935-6649
E-MAIL:	afriel@cambria-env.com
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

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPH - Purgeable (8260B)	TPH - Extractable (8015M)	BTEX (8260B)	5 Oxygenates (8260B) (MTBE, TBA, DIPE, TAME, ETBE)	MTBE (8260B)	TBA (8260B)	DIPE (8260B)	TAME (8260B)	ETBE (8260B)	1,2 DCA (8260B)	EDB (8260B)	Ethanol (8260B)	Methanol (8015M)	VOCs by 8260B	Semi-Volatiles by 8270C	Lead ☒ Total ☐ STLC ☐ TCLP	LUFT5 ☐ Total ☐ STLC ☐ TCLP	CAM17 ☐ Total ☐ STLC ☐ TCLP	Test for Disposal (see attached)		FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	SP-1A through SP-1D	7/17/06	14:00	Soil	4	X		X											O		X			X		4-POINT COMPOSITE

TEMPERATURE ON RECEIPT C°: 7.6°C

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
John Gerbrandt	Sonoma Office (Secure location)	7/17/06	17:28
Sonoma Office	Alorenzo	7-18-06	1156
[signature] TA/AET	[signature]	7-19-06	1005

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
OCATION: ALLIED WASTE - MANTECA
9999 SOUTH AUSTIN ROAD
MANTECA, CA 95336

LIFORNIA - TRANSPORTATION AND RETAIL

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

M 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

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

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

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

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