



June 19, 2003

Alameda County

JUN 25 2003

Environmental Health

Ms. eva chu
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: Shell-branded Service Station
11989 Dublin Boulevard
Dublin, California

Dear Ms. chu:

Attached for your review and comment is a copy of the *Subsurface Investigation and Groundwater Monitoring Report - Second Quarter 2003* 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.

As always, please feel free to contact me directly at (559) 645-9306 with any questions or concerns.

Sincerely,

Shell Oil Products US

Karen Petryna
Sr. Environmental Engineer

June 19, 2003

Ms. eva chu
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Re: **Subsurface Investigation and Groundwater Monitoring Report –
Second Quarter 2003**
Shell-branded Service Station
11989 Dublin Road
Dublin, California
SAP Code 135243
Incident #: 98995328



Dear Ms. chu:

Cambria Environmental Technology, Inc. (Cambria) is submitting this *Subsurface Investigation and Groundwater Monitoring Report – Second Quarter 2003* on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell). The initial scope of work was proposed in Cambria's June 5, 2002 *Well Installation Work Plan*, and modified by Cambria's July 29, 2002 *Subsurface Investigation Work Plan Addendum*. The scope modification was requested by the Alameda County Health Care Services Agency (ACHCSA) in correspondence dated June 24, 2002. The ACHCSA provided final approval in correspondence dated August 30, 2002. Significant delays in implementing the work plan occurred because of difficulties in obtaining access to the offsite property. On April 1, 2003, Cambria supervised the installation of three downgradient soil borings to further characterize the extent of MTBE in groundwater.

Summaries of the site background, investigation procedures, investigation results, second quarter 2003 groundwater monitoring results, conclusions and recommendations are presented below.

Oakland, CA
Sonoma, CA
Portland, OR
Seattle, WA

SITE BACKGROUND


**Cambria
Environmental
Technology, Inc.**

Site Location: This operating Shell-branded service station is located at the southwest corner of the intersection of Dublin Boulevard and San Ramon Road in Dublin, California (Figure 1). The surrounding area is primarily commercial with retail businesses adjacent to the site. A Chevron service station is located northeast of the Shell station. Currently, three gasoline underground

270 Perkins Street
P.O. Box 259
Sonoma, CA 95476
Tel (707)935-4850
Fax (707)935-6649

storage tanks (UST) and one diesel UST are in use onsite, with associated piping and dispensers (Figure 2).

Soil and Groundwater Investigation Summary



June 1997 Dispenser and Piping Removal and Replacement: In June 1997, soil samples were collected from beneath each of the dispensers and product piping runs at the site during dispenser and piping replacement. Maximum detected concentrations of total petroleum hydrocarbons as gasoline (TPHg) and total petroleum hydrocarbons as diesel (TPHd) were 690 parts per million (ppm) and 12,000 ppm, respectively. The highest detected benzene and methyl tertiary butyl ether (MTBE) (by EPA Method 8020) concentrations during the same sampling event were 0.55 ppm and 8.9 ppm, respectively, both from beneath the center dispenser in the northern pump island.

August 1997 Tank Backfill Well Destruction: On August 8, 1997, six tank backfill wells were destroyed in accordance with permit #97433 issued by the Alameda County Flood Control and Water Conservation District Zone 7 (Zone 7). One tank backfill well (BW-7) still exists. Water was not encountered in the backfill wells at a maximum depth of 12 feet below grade (fbg).

November 1997 Subsurface Investigation: On November 19, 1997, Cambria advanced four soil borings (SB-1 through SB-4) at the site to define the extent of hydrocarbons in soil and groundwater. The maximum hydrocarbon concentrations in soil were 11 ppm TPHg, 300 ppm TPHd and 0.0051 ppm benzene in sample SB-3 from 25 fbg. The maximum MTBE concentration in soil (by EPA Method 8020) was 0.11 ppm in sample SB-2 at 20 fbg. A grab groundwater sample collected from SB-2 contained 470 parts per billion (ppb) TPHg, 4,900 ppb TPHd, 17 ppb benzene and 110 ppb MTBE. No groundwater was encountered in the other borings to the total explored depth of 41 fbg.

August 1998 Subsurface Investigation: On August 5, 1998, Cambria advanced two soil borings (also labeled SB-1 and SB-2; but designated by date and with alternate symbols on Figure 2) to evaluate soil and groundwater conditions in the assumed downgradient direction of the UST complex. Maximum concentrations detected in soil were 250 ppm TPHg and 2.8 ppm benzene from SB-2 at 30 fbg. Grab groundwater samples collected from borings SB-1 and SB-2 contained maximum TPHg, TPHd and MTBE (by EPA Method 8260) concentrations of 140,000 ppb, 54,000 ppb, 14,000 ppb, respectively. Benzene was below detection limits in grab groundwater samples from both borings.

January 1999 Subsurface Investigation: On June 8 and 9, 1999, Cambria installed three onsite groundwater monitoring wells (MW-1 through MW-3). The maximum TPHg concentration in

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soil of 4.1 ppm was detected in the sample collected from well MW-3 at a depth of 25.5 fbg. The maximum TPHd and MTBE (by EPA Method 8260) concentrations in soil of 103 ppm and 1.14 ppm, respectively, were detected in MW-2 at a depth of 25.5 fbg. No benzene, toluene, ethylbenzene and xylenes (BTEX), hydrocarbons, or MTBE (by EPA Method 8020) were detected in soil samples collected from monitoring well MW-1 or in vadose zone soil samples collected from wells MW-2 and MW-3.

July 2001 Subsurface Investigation: On July 26, 2001, Cambria installed downgradient monitoring well MW-4 across San Ramon Road from the site. A soil sample collected at the soil-groundwater interface contained no TPHg, BTEX or MTBE.



Groundwater Depth and Flow Direction: The depth to groundwater at the site varies from 5.6 to 6.7 fbg in well MW-1 and from 18.7 to 26.6 fbg in wells MW-2 through MW-4. Groundwater flow direction has been consistently east and a groundwater gradient of 0.125 ft/ft was determined in Cambria's *Second Quarter 2001 Monitoring Report*. No apparent explanation for the discrepancy between depths-to-water in the wells at the site has been identified. Topography slopes slightly to the east.

Soil Lithology: The site is underlain by gravelly fill to approximately 2 fbg. The fill is underlain by clayey sands, silty clay and clayey silt to the maximum explored depth of 35 fbg.

Quarterly Groundwater Monitoring: Quarterly monitoring has been conducted at the site since July 1999. Maximum TPHg, TPHd, benzene and MTBE (by EPA Method 8260) concentrations in groundwater have been reported in well MW-2 at 7,130 ppb, 1,490 ppb, 125 ppb and 28,000 ppb, respectively. Groundwater samples collected from downgradient well MW-4 have contained up to 2,400 ppb TPHg and 8,600 ppb MTBE (by EPA Method 8260). No BTEX has been detected in well MW-4 since installation. Continued monitoring shows stable and decreasing concentration trends.

INVESTIGATION PROCEDURES

Cambria supervised the installation of three off-site soil borings on private property directly downgradient and east of the site across San Ramon Road – Coco's Restaurant (Figure 3). The soil borings were installed by Gregg Drilling Inc. (Gregg) of Martinez, California using a Geoprobe® direct push drill rig. Soil and groundwater sampling procedures are described in Cambria's *Subsurface Investigation Work Plan Addendum* dated July 29, 2002.

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- Permits:** A soil boring permit was obtained from the Alameda County Flood Control And Water District Zone 7 (Zone 7) Permit #23023). A copy of the drilling permit is included as Attachment A.
- Drilling Date:** April 1, 2003.
- Drilling Company:** Gregg (C-57 License #485165).
- Personnel Present:** Stewart Dalie, Staff Scientist, Cambria
Don Parsons, Driller, Gregg
- Drilling Method:** 2¼-inch diameter direct push, Geoprobe®.
- Number of Borings:** Three: SB-1 through SB-3 (Figure 3).
- Boring Depths:** SB-1 and SB-2 were drilled to 36 fbg and hydropunched to 40 fbg. SB-3 was drilled to 32 fbg and hydropunched to 36 fbg (Attachment B).
- Soil Sampling Method:** All soil borings were advanced and sampled continuously using a hydraulic push Geoprobe® drill rig using acetate liners. Refer to Cambria's Standard Field Procedures for Geoprobe® Sampling (Attachment C). Soil samples from borings SB-1, SB-2 and SB-3 were collected every 5-feet and at the capillary fringe, for potential chemical analyses.
- Sediment Lithology:** Soil encountered in the borings consisted predominantly of asphalt and road base to 1 fbg, interbedded clay and silt to 36 fbg (Attachment B).
- Groundwater Depths:** Groundwater was encountered at approximately 31 fbg in SB-1 and SB-2, and at 27 fbg in SB-3.
- Groundwater sampling:** Grab groundwater samples were attempted from first encountered groundwater in all three borings; however, no recovery was achieved at borings SB-1 or SB-2. A grab groundwater sample was obtained from SB-3 at first encountered at approximately 27 fbg using a disposable bailer. Discrete



groundwater samples were collected from all three borings using the hydropunch method. Hydropunch groundwater was obtained from between 36 and 40 fbg in SB-1 and SB-2, and from between 32-36 fbg in SB-3.

Chemical Analyses:

Selected soil and groundwater samples were analyzed by State-certified laboratory STL San Francisco of Pleasanton, California for TPHg, BTEX, and MTBE using EPA Method 8260B (Attachment D). To characterize stockpiled drill cuttings from the borings for disposal purposes, four brass tubes of soil were collected, then composited and analyzed by Kiff Analytical LLC of Davis, California for TPHg, BTEX and MTBE using EPA Method 8260B, and for total threshold limit concentration lead (Attachment D).

***Stockpile Soil Handling
And Disposal:***

Drill cuttings produced from the boring were wrapped in plastic sheeting, labeled and temporarily stockpiled on the Shell site. Approximately 0.10 tons of soil was transported by Manley and Sons Trucking Company of Sacramento, California to Forward Landfill in Manteca, California for disposal on May 9, 2003 (Attachment E).

***Second Quarter 2003
Groundwater Sampling:***

The site wells were sampled by Blaine Tech Services (Blaine) for the second quarter event on May 1, 2003. The Blaine report, which includes the historical tabulated groundwater data and laboratory report, is included as Attachment F. The groundwater flow direction is primarily to the east at a gradient of 0.08 feet per foot. Figure 4 includes the groundwater contours and chemical concentrations of benzene and MTBE for the May 1, 2003 event.

INVESTIGATION RESULTS

Analyte Results in Soil: No BTEX compounds were detected in any offsite soil samples collected during this investigation. TPHg was detected in one soil sample; SB-1-35' at 7.0 ppm. MTBE was detected in two soil samples; SB-1-35' and SB-2-35' at 0.0099 and 0.250 ppm, respectively. Analytical results for the soil samples are summarized in Table 1. The certified

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analytical laboratory reports for this investigation are included as Attachment D. TPHg, benzene and MTBE concentrations are depicted on Figure 3, for reference.

Analyte Results in Groundwater: Four water samples were collected from the borings and analyzed. One grab sample from SB-3 at 27 fbg, and a discrete sample from each boring at depths of 36-40 fbg (SB-1 and SB-2) and 32-36 fbg (SB-3).

No BTEX were detected in any groundwater water sample collected during this investigation. TPHg and MTBE were detected in all four water samples, with concentrations up to 3,000 ppb of TPHg in SB-3-W2 and 38 ppb of MTBE in SB-1-W1. Analytical results for the groundwater samples are summarized in Table 2, and the certified analytical laboratory reports are included as Attachment D. The TPHg, benzene and MTBE results are depicted on Figure 3, for reference.

The second quarter monitoring event continues to indicate elevated concentrations of MTBE primarily at MW-2, with stable to decreasing concentrations in the other wells. The groundwater flow direction remains consistent with previous events. The gradient and contaminant concentrations are depicted on Figure 4.

CONCLUSIONS

The soil sample results collected during this investigation did not show any detectable BTEX impact in offsite soils. The sample results indicated minimal TPHg and MTBE impact to soil at 35 fbg, which is below the water table, and indicative of groundwater conditions, not soil.

The groundwater sample results collected during this investigation did not show any detectable BTEX impact to offsite groundwater. The concentrations of constituents reported in SB-3 are roughly similar to those in nearby monitoring well MW-4. The groundwater monitoring data indicates a decreasing trend at the location of well MW-4. MTBE is defined in groundwater to the east to a concentration of 38 ppb in grab groundwater from SB-1.

RECOMMENDATIONS

Because the MTBE concentrations in onsite well MW-2 remain elevated, Cambria recommends the performance of batch groundwater extraction (GWE) events using a vacuum truck. The batch GWE should effectively reduce the residual concentrations of MTBE and the downgradient concentrations will continue to decline.

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SCHEDULE

Cambria proposes performing weekly batch GWE on well MW-2 beginning in June and extending for 8 weeks. Each event shall last approximately 6 hours, unless the well is dewatered, and recharge is insignificant. The third quarter groundwater monitoring event will be scheduled to occur no sooner than one week following the eighth batch GWE event. An evaluation of the effectiveness of this method and a tabulation of mass removed will be included in the third quarter groundwater monitoring report.



CLOSING

Please call Ana Friel at (707) 442-2700, if you have any questions or comments.

Sincerely,

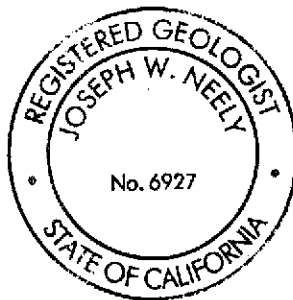
Cambria Environmental Technology, Inc.

Stewart Dalie for

Stewart Dalie
Staff Geologist

Ana Friel for

Ana Friel, RG
Senior Project Geologist
RG# 6452

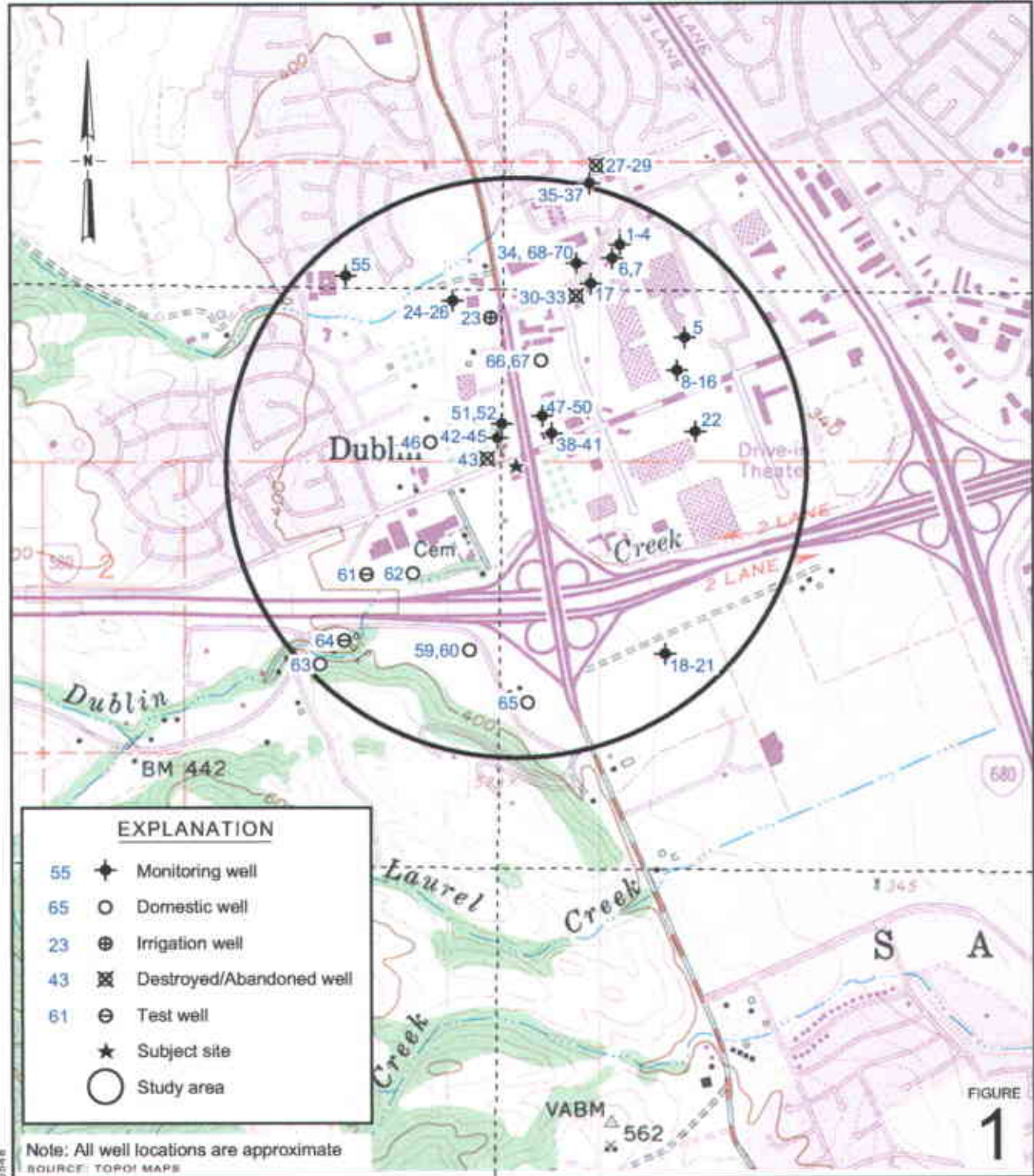


Figures: 1- Vicinity/Area Well Survey Map
 2- Site Plan
 3- Boring Location/Chemical Concentration Map
 4- Groundwater Contour/Chemical Concentration Map

Tables: 1 - Soil Analytical Results
 2 - Groundwater Analytical Results

Attachments: A - Permit
 B - Soil Boring Logs
 C - Standard Field Procedures for Geoprobe® Sampling
 D - Laboratory Analytical Reports
 E - Disposal Confirmation
 F - Blaine Tech Services Report - Second Quarter 2003

cc: Karen Petryna, Shell Oil Products US



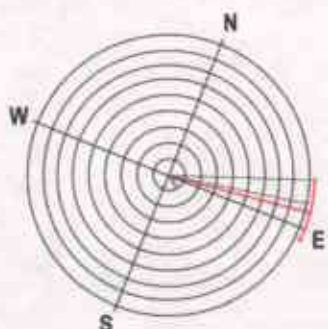
Shell-branded Service Station
 11989 Dublin Boulevard
 Dublin, California



**Vicinity/Area Well
 Survey Map**
 (1/2 Mile Radius)

EXPLANATION

- SB-1 ⊙ Offsite soil boring location (4/1/03)
- MW-1 ● Monitoring well location
- BW-7 ⊕ Tank backfill well
- SB-1 ⊙ Soil boring location (11/16/97)
- SB-1 ⊙ Soil boring location (8/5/98)
- FH ⊕ Fire Hydrant (FH)
- MH ⊕ Manhole (MH)
- ⊕ Storm drain inlet
- 6.28' bgs Utility depth below ground surface
- ▶ Flow direction indicator
- Gas line (G)
- Storm Drain line (SD)
- Water line (W)
- Sanitary Sewer line (SS)
- Electric line (E)



Groundwater Gradient Direction
(07/20/99 to 01/11/02)

Chevron Service Station
7007 San Ramon Road

Petsmart

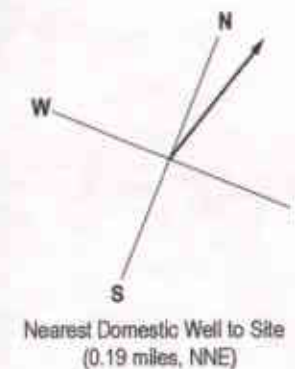
DUBLIN BOULEVARD

Shell-branded
Service Station
11989 Dublin Boulevard

Cook's Restaurant

parking lot

SAN RAMON ROAD



Nearest Domestic Well to Site
(0.19 miles, NNE)



FIGURE

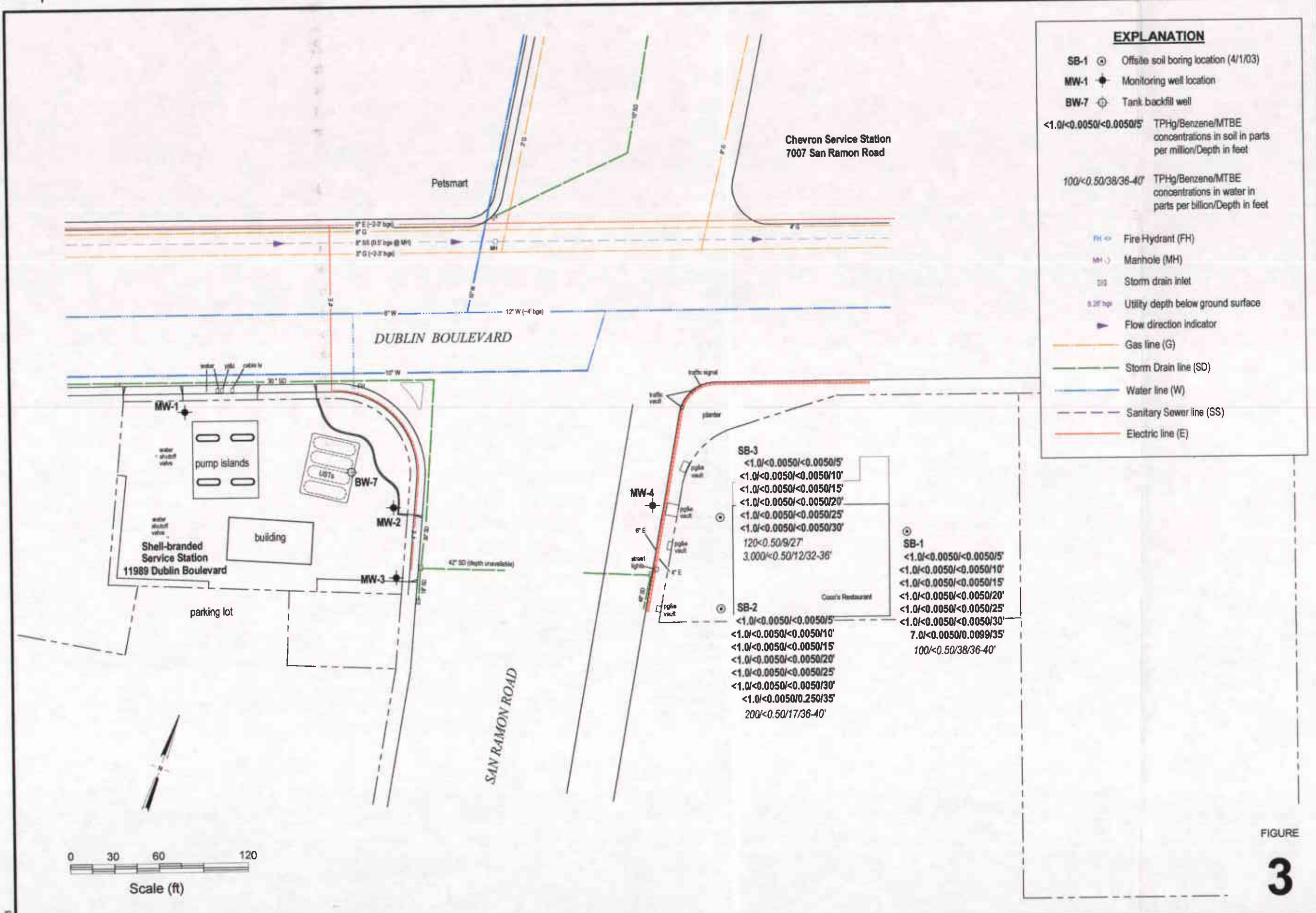
2



CAMBRIA

Shell-branded Service Station

11989 Dublin Boulevard
Dublin, California



Boring Location/
Chemical Concentration Map

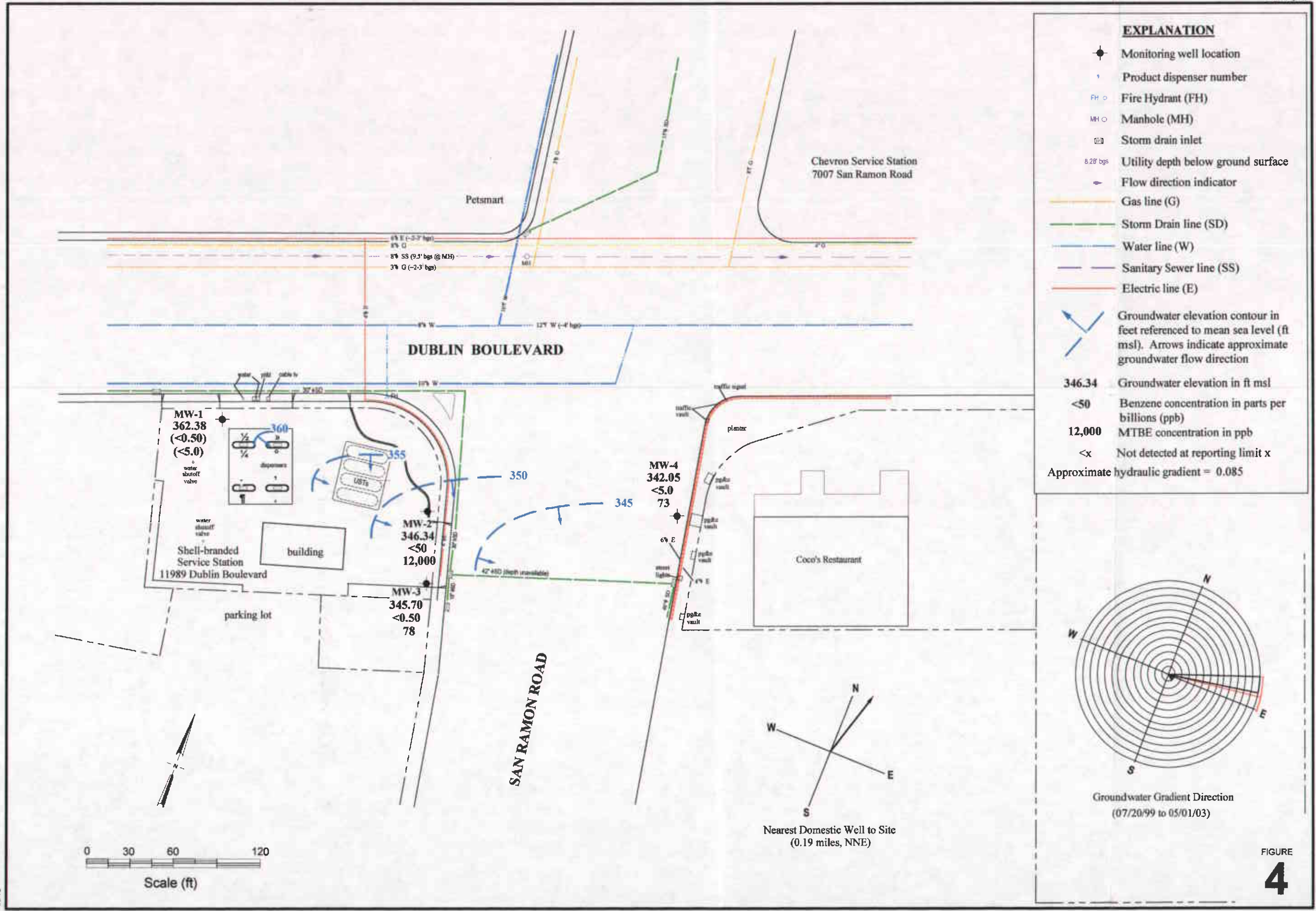


CAMBRIA

FIGURE
3

Shell-branded Service Station
11989 Dublin Boulevard
Dublin, California

April 1, 2003



Shell-branded Service Station
11989 Dublin Boulevard
Dublin, California



CAMBRIA

Table 1. Soil Analytical Results - Shell-branded Service Station, 11989 Dublin Road, Dublin, California

Sample ID	Sample Date	Sample Depth (fbg)	TPHg	Benzene	Toluene	Ethylbenzene	Total Xylenes	MTBE
			← (ppm) →					
2003 Subsurface Investigation Soil Sample Results								
SB-1-5'	4/1/2003	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
SB-1-10'	4/1/2003	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
SB-1-15'	4/1/2003	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
SB-1-20'	4/1/2003	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
SB-1-25'	4/1/2003	25	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
SB-1-30'	4/1/2003	30	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
SB-1-35'	4/1/2003	35	7.0	<0.0050	<0.0050	<0.0050	<0.0050	0.0099
SB-2-5'	4/1/2003	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
SB-2-10'	4/1/2003	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
SB-2-15'	4/1/2003	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
SB-2-20'	4/1/2003	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
SB-2-25'	4/1/2003	25	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
SB-2-30'	4/1/2003	30	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
SB-2-35'	4/1/2003	35	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	0.250
SB-3-5'	4/1/2003	5	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
SB-3-10'	4/1/2003	10	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
SB-3-15'	4/1/2003	15	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
SB-3-20'	4/1/2003	20	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
SB-3-25'	4/1/2003	25	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
SB-3-30'	4/1/2003	30	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050

Abbreviations and Notes:

TPHg = Total petroleum hydrocarbons as gasoline by modified EPA Method 8260B

Benzene, toluene, ethylbenzene and total xylenes by EPA Method 8260B

MTBE = Methyl tertiary butyl ether by EPA Method 8260B

fbg = Feet below grade

ppm = Parts per million

Table 2. Groundwater Analytical Results - Shell-branded Service Station, 11989 Dublin Road, Dublin, California

Sample ID	Sample Date	Sample Depth (fbg)	TPHg	Benzene	Toluene	Ethylbenzene (ppb)	Total Xylenes	MTBE
<u>2003 Subsurface Investigation Groundwater Sample Results</u>								
SB-1-W1	4/1/2003	36-40 32' - per logs	100	<0.50	<0.50	<0.50	<1.0	38
SB-2-W1	4/1/2003	36-40 31'	200	<0.50	<0.50	<0.50	<1.0	17
SB-3-W1	4/1/2003	27	120	<0.50	<0.50	<0.50	<1.0	9
SB-3-W2	4/1/2003	32-36	3,000	<0.50	<0.50	<0.50	<1.0	12

Abbreviations and Notes:

TPHg = Total petroleum hydrocarbons as gasoline by modified EPA Method 8260B

Benzene, toluene, ethylbenzene and total xylenes by EPA Method 8260B

MTBE = Methyl tertiary butyl ether by EPA Method 8260B

ppb = Parts per billion

ATTACHMENT A

Permit



ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

5997 PARKSIDE DRIVE

PLEASANTON, CALIFORNIA 94588-5127

PHONE (925) 484-2600 FAX (925) 462-3914

March 14, 2003

Mr. Stewart Dalie
Cambria Environmental
5900 Hollis Street, Suite A
Emeryville, CA 94608

Dear Mr. Dalie:

Enclosed is drilling permit 23023 for a contamination investigation at 11989 Dublin Boulevard in Dublin for Shell Oil Products Company. Also enclosed are current drilling permit applications for your files.

Please note that permit conditions A-2 and G requires that a report be submitted after completion of the work. The report should include drilling and completion logs, location sketch, permit number and any analysis of the soil and water samples. Please submit the original of your completion report. We will forward your submittal to the California Department of Water Resources.

If you have any questions, please contact me at extension 235 or Matt Katen at extension 234.

Sincerely,

Wyman Hong
Water Resources Technician II

Enc.



ZONE 7 WATER AGENCY

6907 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588-5127 VOICE (925) 464-2600 X235 FAX (925) 462-3214

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 11989 Dublin Blvd.
Dublin, CA

PERMIT NUMBER 23023
WELL NUMBER _____
APN 941 1550 001 12

California Coordinates Source _____ Accuracy _____ ft.
CN _____ R. CCE _____ ft.
PN _____

PERMIT CONDITIONS

Circled Permit Requirements Apply

CLIENT Shell Oil Products Co. (US)
Address P.O. box 4869 7869 Phone 510 470 8339
City Burbank, CA Zip 91510-4869
7869

- (A) GENERAL
 1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
 2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects, or drilling logs and location sketch for geotechnical projects.
 3. Permit is void if project not begun within 90 days of approval date.

APPLICANT Cambria Environmental
Address 5900 Hollis St. Ste. A Phone 510 470 0700
City Emeryville, CA Zip 94608

- B. WATER SUPPLY WELLS
 1. Minimum surface seal diameter is four inches greater than the well casing diameter.
 2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
 3. Grout placed by tremie.
 4. An access port of least 0.6 inches in diameter is required on the wellhead for water level measurements.
 5. A sample port is required on the discharge pipe near the wellhead.

TYPE OF PROJECT:
Well Construction Geotechnical Investigation
Well Destruction Contamination Investigation
Cathodic Protection Other _____

- C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
 1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
 2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
 3. Grout placed by tremie.

PROPOSED WELL USE:
Domestic Irrigation
Municipal Remediation
Industrial Groundwater Monitoring
Watering Other _____

- (D) GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

DRILLING METHOD:
Cable Tool Air Rotary Hollow Stem Auger
Direct Push Other _____

- E. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

DRILLING COMPANY Gregg Drilling
DRILLER'S LICENSE NO. CS 7 485165

- (G) WELL DESTRUCTION. See attached.
SPECIAL CONDITIONS: Submit to Zone 7 within 60 days after completion of permitted work the well installation report including all soil and water laboratory analysis results.

WELL SPECIFICATIONS:
Drill Hole Diameter _____ in Maximum _____
Casing Diameter _____ in Depth _____ ft.
Surface Seal Depth _____ ft Number _____

OIL BORINGS:
Number of Borings 3 Maximum _____
Hole Diameter 2 1/2" in. Depth 35' ft.

ESTIMATED STARTING DATE 4/1/03 7AM
ESTIMATED COMPLETION DATE 4/1/03

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

Approved Wyman Hong Date 3/14/03
Signature: Wyman Hong

APPLICANT'S SIGNATURE [Signature] Date 3/13/03

ATTACH SITE PLAN OR SKETCH

ATTACHMENT B

Soil Boring Logs



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

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	SB-1
JOB/SITE NAME	Shell-branded service station	DRILLING STARTED	01-Apr-03
LOCATION	11989 Dublin Boulevard, Dublin CA	DRILLING COMPLETED	01-Apr-03
PROJECT NUMBER	245-0548-007	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3"	SCREENED INTERVAL	NA
LOGGED BY	S. Dalie	DEPTH TO WATER (First Encountered)	31.0 ft (01-Apr-03)
REVIEWED BY	M. Derby, PE# 55475	DEPTH TO WATER (Static)	NA
REMARKS	Hand augered to 5 fbg in the southeastern parking lot of CoCo's Restaurant.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
							ASPHALT Clayey SILT; (ML); Black; soft; dry; 5% Clay, 95% Silt.	0.6	
0		SB-1- 5'		5	ML		Brown; medium dense; dry; 10% Clay, 90% Silt.		
0		SB-1- 10'		10					
0		SB-1- 15'		15			Dark brown; soft; dry; 25% Clay, 75% Silt; low plasticity.	15.5	
0		SB-1- 20'		20	CL		Silty CLAY ; (CL); Brown; medium dense; damp; 75% Clay, 25% Silt; medium plasticity.		
0		SB-1- 25'		25			Silty GRAVEL ; (GM); Brown; loose; damp; 5% Clay, 30% Silt, 5% Sand; 60% Gravel. Silty CLAY ; (CL); Brown; soft; damp; 80% Clay, 15% Silt, 5% very fine Sand.	22.0 22.8	
0		SB-1- 30'		30	ML		Clayey SILT ; (ML); Brown; soft; damp to wet; 10% Clay, 85% Silt, 5% Sand; medium plasticity. Olive gray; slight hydrocarbon odor. Grab groundwater sample collected.	28.5	
1.5				35			Silty CLAY ; (CL); Olive gray; medium dense; wet; 75%	34.3	

WELL LOG (PID) G:\DUBLIN 11989 DUBLINGINTIDUB11989.GPJ_DEFAULT.GDT 4/3/03



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

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	SB-1
JOB/SITE NAME	Shell-branded service station	DRILLING STARTED	01-Apr-03
LOCATION	11989 Dublin Boulevard, Dublin CA	DRILLING COMPLETED	01-Apr-03

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ftg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ftg)	WELL DIAGRAM
4.5		SB-1- 35'		40	CL		Clay, 25% Silt; low plasticity. Second grab groundwater sample attempted via hydropunch; no water collected.	36.0 40.0	Bottom of Boring @ 40 ft

WELL LOG (PID) C:\DUBLIN\11989 DUBLINGINT\DUB11989.GPJ DEFAULT.GDT 4/3/03



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

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	SB-2
JOB/SITE NAME	Shell-branded service station	DRILLING STARTED	01-Apr-03
LOCATION	11989 Dublin Boulevard, Dublin CA	DRILLING COMPLETED	01-Apr-03
PROJECT NUMBER	245-0548-007	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3"	SCREENED INTERVAL	NA
LOGGED BY	S. Dalie	DEPTH TO WATER (First Encountered)	31.0 ft (01-Apr-03)
REVIEWED BY	M. Derby, PE# 55475	DEPTH TO WATER (Static)	NA
REMARKS	Hand augered to 5 fbg in the northwestern parking lot of CoCo's Resaurant.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ft)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ft)	WELL DIAGRAM
				0.6			ASPHALT	0.6	
		SB-2- 5'		5	ML		Clayey SILT ; (ML); Black; medium dense; dry; 45% Clay, 50% Silt, 5% Gravel; low plasticity.		
				6.5			SILT with Sand and Gravel; (ML); Gray; loose; dry; 60% Clay, 20% Sand, 20% Gravel.		
				8.8	CL		Silty CLAY ; (CL); Brown; medium dense; dry; 51% Clay, 49% Silt; high plasticity.		
		SB-2- 10'		10	ML		Clayey SILT ; (ML); Gray to Brown; medium dense; dry; 15% Clay, 80% Silt, 5% Gravel; medium plasticity.		
		SB-2- 15'		15					
		SB-2- 20'		20	CL		Silty CLAY ; (CL); Brown; soft to dense; damp; 75% Clay, 25% Silt; high plasticity.	17.5	
		SB-2- 25'		25	ML		CLAY with Gravel; Brown; very dense; dry; 70% Clay, 20% Silt; 10% Gravel; medium plasticity.	25.0	
				27.0			Clayey SILT ; (ML); Dry; 30% Clay; 60% Silt; 10% Gravel; low plasticity.		
		SB-2- 30'		30	CL		Silty CLAY ; (CL); Olive Gray; medium dense; damp to dry; 75% Clay, 25% Silt; high plasticity.	27.0	
							Grab groundwater sample collected.		
				33.0				33.0	
				35	ML		Clayey SILT with some very fine Sand ; (ML); Olive gray; soft; wet; 90% Silt, 10% very fine SAND.		

WELL LOG (PID) G:\DUBLIN\11989 DUBLINGINT\11989.GPJ DEFAULT.GDT 4/3/03



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BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	SB-2
JOB/SITE NAME	Shell-branded service station	DRILLING STARTED	01-Apr-03
LOCATION	11989 Dublin Boulevard, Dublin CA	DRILLING COMPLETED	01-Apr-03

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
		SB-2- 35'					SILT; very dense; hydrocarbono odor. Second grab groundwater sample attempted via hydropunch; no water collected.	36.0 40.0	Bottom of Boring @ 36 ft

WELL LOG (PID) C:\DUBLIN 11989 DUBLINGINT\DUJ11989.CPJ DEFAULT.GDT 4/3/03



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 Telephone: (510) 420-0700
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BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	SB-3
JOB/SITE NAME	Shell-branded service station	DRILLING STARTED	01-Apr-03
LOCATION	11989 Dublin Boulevard, Dublin CA	DRILLING COMPLETED	01-Apr-03
PROJECT NUMBER	245-0548-007	WELL DEVELOPMENT DATE (YIELD)	NA
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	Not Surveyed
DRILLING METHOD	Hydraulic push	TOP OF CASING ELEVATION	NA
BORING DIAMETER	3"	SCREENED INTERVAL	NA
LOGGED BY	S. Dalie	DEPTH TO WATER (First Encountered)	27.0 ft (01-Apr-03)
REVIEWED BY	M. Derby, PE# 55475	DEPTH TO WATER (Static)	NA
REMARKS	Hand augered to 5 fbg in the northwestern parking lot of CoCo's Restaurant.		

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
				0.4			ASPHALT Clayey SILT ; (ML); Black; loose; dry; 15% Clay, 80% Silt, 5% Gravel.	0.4	
		SB-3- 5'		5	ML				
		SB-3- 10'		10			Sandy SILT ; Brown; loose; dry; 5% Clay, 70% Silt, 25% Sand.	11.0	
		SB-3- 15'		15	CL		Silty CLAY ; (CL); Brown; very dense to hard; dry; 80% Clay, 20% Silt; medium plasticity.		
		SB-3- 20'		20				21.0	
					GM		Silty GRAVEL ; (GM); Brown; loose; damp; 15% Silt, 5% Sand, 80% Gravel.	23.0	
		SB-3- 25'		25	ML		Sandy SILT with Clay ; (ML); Brown; soft; damp to wet; 5% Clay, 75% Silt, 20% Sand; low plasticity.		
					CL		CLAY ; (CL); Olive gray; very dense; dry; 100% Clay; high plasticity.	27.0	
							First grab groundwater sample collected.	28.5	
		SB-3- 30'		30	ML		Clayey SILT ; (CL); Olive gray; soft; wet; 30% Clay, 70% Silt; high plasticity; hydrocarbon odor.		
					SC		Sandy SILT with Gravel and Clay ; Olive gray; loose; wet; 10% Clay, 70% Silt, 10% Sand, 10% Gravel; medium plasticity.	30.5	
							Clayey SAND ; (SC); Olive gray; soft; wet; 35% Clay, 5% Silt, 60% fine Sand; hydrocarbon odor.	32.0	
							Second grab groundwater sample collected via hydropunch method.		
				35					

WELL LOG (PID) G:\DUBLIN 11989 DUBLINGINTDUB11989.GPJ DEFAULT.GDT 4/3/03



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

BORING/WELL LOG

CLIENT NAME Shell Oil Products US BORING/WELL NAME SB-3
 JOB/SITE NAME Shell-branded service station DRILLING STARTED 01-Apr-03
 LOCATION 11989 Dublin Boulevard, Dublin CA DRILLING COMPLETED 01-Apr-03

Continued from Previous Page

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
								36.0	Bottom of Boring @ 36 ft

WELL LOG (PID) C:\DUBLIN\11989 DUBLING\NT\DUB11989.GPJ DEFAULT.GDT 5/21/03

ATTACHMENT C

Standard Field Procedures for Geoprobe® Sampling

CAMBRIA

STANDARD FIELD PROCEDURES FOR GEOPROBE® SAMPLING

This document describes Cambria Environmental Technology's standard field methods for GeoProbe® soil and ground water sampling. These procedures are designed to comply with Federal, State and local regulatory guidelines. Specific field procedures are summarized below.

Objectives

Soil samples are collected to characterize subsurface lithology, assess whether the soils exhibit obvious hydrocarbon or other compound vapor odor or staining, estimate ground water depth and quality and to submit samples for chemical analysis.

Soil Classification/Logging

All soil samples are classified according to the Unified Soil Classification System by a trained geologist or engineer working under the supervision of a California Registered Geologist (RG) or a Certified Engineering Geologist (CEG). The following soil properties are noted for each soil sample:

- Principal and secondary grain size category (i.e., sand, silt, clay or gravel)
- Approximate percentage of each grain size category,
- Color,
- Approximate water or separate-phase hydrocarbon saturation percentage,
- Observed odor and/or discoloration,
- Other significant observations (i.e., cementation, presence of marker horizons, mineralogy), and
- Estimated permeability.

Soil Sampling

GeoProbe® soil samples are collected from borings driven using hydraulic push technologies. A minimum of one and one half ft of the soil column is collected for every five ft of drilled depth. Additional soil samples can be collected near the water table and at lithologic changes. Samples are collected using samplers lined with polyethylene or brass tubes driven into undisturbed sediments at the bottom of the borehole. The ground surface immediately adjacent to the boring is used as a datum to measure sample depth. The horizontal location of each boring is measured in the field relative to a permanent on-site reference using a measuring wheel or tape measure.

Drilling and sampling equipment is steam-cleaned or washed prior to drilling and between borings to prevent cross-contamination. Sampling equipment is washed between samples with trisodium phosphate or an equivalent EPA-approved detergent.

Sample Storage, Handling and Transport

Sampling tubes chosen for analysis are trimmed of excess soil and capped with Teflon® tape and plastic end caps. Soil samples are labeled and stored at or below 4°C on either crushed or dry ice, depending upon local regulations. Samples are transported under chain-of-custody to a State-certified analytic laboratory.

CAMBRIA

Field Screening

After a soil sample has been collected, soil from the remaining tubing is placed inside a sealed plastic bag and set aside to allow hydrocarbons to volatilize from the soil. After ten to fifteen minutes, a portable GasTech® or photoionization detector measures volatile hydrocarbon vapor concentrations in the bag's headspace, extracting the vapor through a slit in the plastic bag. The measurements are used along with the field observations, odors, stratigraphy and ground water depth to select soil samples for analysis.

Grab Ground Water Sampling

Ground water samples are collected from the open borehole using bailers, advancing disposable Tygon® tubing into the borehole and extracting ground water using a diaphragm pump, or using a hydro-punch style sampler with a bailer or tubing. The ground water samples are decanted into the appropriate containers supplied by the analytic laboratory. Samples are labeled, placed in protective foam sleeves, stored on crushed ice at or below 4° C, and transported under chain-of-custody to the laboratory.

Duplicates and Blanks

Blind duplicate water samples are usually collected only for monitoring well sampling programs, at a rate of one blind sample for every 10 wells sampled. Laboratory-supplied trip blanks accompany samples collected for all sampling programs to check for cross-contamination caused by sample handling and transport. These trip blanks are analyzed if the internal laboratory quality assurance/quality control (QA/QC) blanks contain the suspected field contaminants. An equipment blank may also be analyzed if non-dedicated sampling equipment is used.

Grouting

If the borings are not completed as wells, the borings are filled to the ground surface with cement grout poured or pumped through a tremie pipe.

F:\TEMPLATE\SOPS\GEOPROBE.WPD

ATTACHMENT D

Laboratory Analytical Reports

soil and groundwater samples

Cambria Environmental Emeryville

April 17, 2003

1144 65Th Street, Suite C
Oakland, CA 94608-1053

Attn.: Stu Dalie

Project#: 245-0548-006

Project: 98995328

Site: 11989 Dublin Rd
Dublin, CA

Attached is our report for your samples received on 04/03/2003 11:05

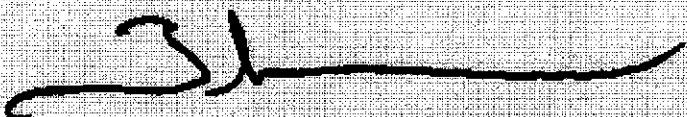
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 05/18/2003 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.

You can also contact me via email. My email address is: tgranicher@stl-inc.com

Sincerely,



Tod Granicher
Project Manager

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

Gas/BTEX/MTBE by 8260B

Cambria Environmental Emeryville

Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab #
SB-1-W1	04/01/2003 09:15	Water	8
SB-2-W1	04/01/2003 02:00	Water	15
SB-3-W1	04/01/2003 01:00	Water	23
SB-3-W2	04/01/2003 01:00	Water	24

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

04/17/2003 16:19

Gas/BTEX/MTBE by 8260B

Cambria Environmental Emeryville
Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SB-1-W1	Lab ID:	2003-04-0132-8
Sampled:	04/01/2003 09:15	Extracted:	4/13/2003 20:46
Matrix:	Water	QC Batch#:	2003/04/13-0162

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	110	50	ug/L	1.00	04/13/2003 20:46	g
Benzene	ND	0.50	ug/L	1.00	04/13/2003 20:46	
Toluene	ND	0.50	ug/L	1.00	04/13/2003 20:46	
Ethylbenzene	ND	0.50	ug/L	1.00	04/13/2003 20:46	
Total xylenes	ND	1.0	ug/L	1.00	04/13/2003 20:46	
Methyl tert-butyl ether (MTBE)	38	0.50	ug/L	1.00	04/13/2003 20:46	
Surrogates(s)						
1,2-Dichloroethane-d4	106.3	76-114	%	1.00	04/13/2003 20:46	
Toluene-d8	103.6	88-110	%	1.00	04/13/2003 20:46	

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

04/17/2003 16:19

Gas/BTEX/MTBE by 8260B

Cambria Environmental Emeryville
Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170
Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SB-2-W1	Lab ID:	2003-04-0132 - 15
Sampled:	04/01/2003 02:00	Extracted:	4/13/2003 21:08
Matrix:	Water	QC Batch#:	2003/04/13-01-62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	200	50	ug/L	1.00	04/13/2003 21:08	g
Benzene	ND	0.50	ug/L	1.00	04/13/2003 21:08	
Toluene	ND	0.50	ug/L	1.00	04/13/2003 21:08	
Ethylbenzene	ND	0.50	ug/L	1.00	04/13/2003 21:08	
Total xylenes	ND	1.0	ug/L	1.00	04/13/2003 21:08	
Methyl tert-butyl ether (MTBE)	17	0.50	ug/L	1.00	04/13/2003 21:08	
Surrogates(s)						
1,2-Dichloroethane-d4	108.3	76-114	%	1.00	04/13/2003 21:08	
Toluene-d8	98.8	88-110	%	1.00	04/13/2003 21:08	

Gas/BTEX/MTBE by 8260B

Cambria Environmental Emeryville
Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SB-3-W1	Lab ID:	2003-04-0132-23
Sampled:	04/01/2003 01:00	Extracted:	4/13/2003 21:30
Matrix:	Water	QC Batch#:	2003/04/13-0162

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	120	50	ug/L	1.00	04/13/2003 21:30	g
Benzene	ND	0.50	ug/L	1.00	04/13/2003 21:30	
Toluene	ND	0.50	ug/L	1.00	04/13/2003 21:30	
Ethylbenzene	ND	0.50	ug/L	1.00	04/13/2003 21:30	
Total xylenes	ND	1.0	ug/L	1.00	04/13/2003 21:30	
Methyl tert-butyl ether (MTBE)	8.5	0.50	ug/L	1.00	04/13/2003 21:30	
Surrogates(s)						
1,2-Dichloroethane-d4	106.3	76-114	%	1.00	04/13/2003 21:30	
Toluene-d8	102.8	88-110	%	1.00	04/13/2003 21:30	

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

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04/17/2003 16:19

Gas/BTEX/MTBE by 8260B

Cambria Environmental Emeryville

Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SB-3-W2	Lab ID:	2003-04-0132-24
Sampled:	04/01/2003 01:00	Extracted:	4/13/2003 21:52
Matrix:	Water	QC Batch#:	2003/04/13-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	3000	50	ug/L	1.00	04/13/2003 21:52	g
Benzene	ND	0.50	ug/L	1.00	04/13/2003 21:52	
Toluene	ND	0.50	ug/L	1.00	04/13/2003 21:52	
Ethylbenzene	ND	0.50	ug/L	1.00	04/13/2003 21:52	
Total xylenes	ND	1.0	ug/L	1.00	04/13/2003 21:52	
Methyl tert-butyl ether (MTBE)	12	0.50	ug/L	1.00	04/13/2003 21:52	
Surrogates(s)						
1,2-Dichloroethane-d4	103.0	76-114	%	1.00	04/13/2003 21:52	
Toluene-d8	96.4	88-110	%	1.00	04/13/2003 21:52	

Gas/BTEX/MTBE by 8260B

Cambria Environmental Emeryville
Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Batch QC Report					
Prep(s): 5030B				Test(s): 8260FAB	
Method Blank		Water		QC Batch # 2003/04/13-01 62	
MB: 2003/04/13-01 62-054				Date Extracted: 04/13/2003 16:37	

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	04/13/2003 16:37	
Benzene	ND	0.5	ug/L	04/13/2003 16:37	
Toluene	ND	0.5	ug/L	04/13/2003 16:37	
Ethylbenzene	ND	0.5	ug/L	04/13/2003 16:37	
Total xylenes	ND	1.0	ug/L	04/13/2003 16:37	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	04/13/2003 16:37	
Surrogates(s)					
1,2-Dichloroethane-d4	100.8	76-114	%	04/13/2003 16:37	
Toluene-d8	104.6	88-110	%	04/13/2003 16:37	

Severn Trent Laboratories, Inc.

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04/17/2003 16:19

Gas/BTEX/MTBE by 8260B

Cambria Environmental Emeryville

Attn.: Stu Dalie

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Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Batch QC Report			
Prep(s): 5030B			Test(s): 8260FAB
Laboratory Control Spike	Water	QC Batch # 2003/04/13-01.62	
LCS: 2003/04/13-01.62-053	Extracted: 04/13/2003	Analyzed: 04/13/2003 15:53	
LCSD: 2003/04/13-01.62-015	Extracted: 04/13/2003	Analyzed: 04/13/2003 16:15	

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	26.1	25.7	25.0	104.4	102.8	1.5	69-129	20		
Toluene	26.1	25.8	25.0	104.4	103.2	1.2	70-130	20		
Methyl tert-butyl ether (MTBE)	29.7	30.6	25.0	118.8	122.4	3.0	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	509	511	500	101.8	102.2		76-114			
Toluene-d8	514	503	500	102.8	100.6		88-110			

Gas/BTEX/MTBE by 8260B

Cambria Environmental Emeryville

Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Batch QC Report			
Prep(s):	5030B	Test(s):	8260FAB
Matrix Spike (MS / MSD)		Water	QC Batch #: 2003/04/13-01.62
SB-1-W1 >> MS		Lab ID:	2003-04-0132 - 008
MS: 2003/04/13-01.62-003	Extracted: 04/13/2003	Analyzed:	04/13/2003 20:03
		Dilution:	1:00
MSD: 2003/04/13-01.62-024	Extracted: 04/13/2003	Analyzed:	04/13/2003 20:24
		Dilution:	1:00

Compound	Conc. ug/L			Spk. Level ug/L	Recovery			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Benzene	25.0	25.8	ND	25.0	100.0	103.2	3.1	69-129	20		
Toluene	25.1	25.8	ND	25.0	100.4	103.2	2.8	70-130	20		
Methyl tert-butyl ether	63.5	62.2	37.5	25.0	104.0	98.8	5.1	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	526	521		500	105.2	104.3		76-114			
Toluene-d8	480	507		500	96.0	101.5		88-110			

Gas/BTEX/MTBE by 8260B

Cambria Environmental Emeryville

Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Legend and Notes

Result Flag

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard.

Gas/BTEX/MTBE by 8260B

Cambria Environmental Emeryville
Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SB-1-5`	04/01/2003 07:30	Soil	1
SB-1-10`	04/01/2003 07:40	Soil	2
SB-1-15`	04/01/2003 07:45	Soil	3
SB-1-20`	04/01/2003 08:00	Soil	4
SB-1-25`	04/01/2003 08:30	Soil	5
SB-1-30`	04/01/2003 09:00	Soil	6
SB-1-35`	04/01/2003 09:30	Soil	7
SB-2-5`	04/01/2003 11:00	Soil	9
SB-2-10`	04/01/2003 11:10	Soil	10
SB-2-15`	04/01/2003 11:15	Soil	11
SB-2-20`	04/01/2003 11:20	Soil	12
SB-2-25`	04/01/2003 11:30	Soil	13
SB-2-30`	04/01/2003 11:45	Soil	14
SB-2-35`	04/01/2003 11:50	Soil	16
SB-3-5`	04/01/2003 12:00	Soil	17
SB-3-10`	04/01/2003 12:10	Soil	18
SB-3-15`	04/01/2003 12:15	Soil	19
SB-3-20`	04/01/2003 12:20	Soil	20
SB-3-25`	04/01/2003 12:30	Soil	21
SB-3-30`	04/01/2003 12:45	Soil	22

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04/17/2003 12:00

Gas/BTEX/MTBE by 8260B

Cambria Environmental Emeryville

Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SB-1-5	Lab ID:	2003-04-0132-1
Sampled:	04/01/2003 07:30	Extracted:	4/9/2003 23:25
Matrix:	Soil	QC Batch#:	2003/04/09-02.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	04/09/2003 23:25	
Benzene	ND	5.0	ug/Kg	1.00	04/09/2003 23:25	
Toluene	ND	5.0	ug/Kg	1.00	04/09/2003 23:25	
Ethyl benzene	ND	5.0	ug/Kg	1.00	04/09/2003 23:25	
Total xylenes	ND	5.0	ug/Kg	1.00	04/09/2003 23:25	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	04/09/2003 23:25	
Surrogates(s)						
1,2-Dichloroethane-d4	102.6	70-121	%	1.00	04/09/2003 23:25	
Toluene-d8	90.1	81-117	%	1.00	04/09/2003 23:25	

Gas/BTEX/MTBE by 8260B

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Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SB-1-10	Lab ID:	2003-04-0132 - 2
Sampled:	04/01/2003 07:40	Extracted:	4/9/2003 23:47
Matrix:	Soil	QC Batch#:	2003/04/09-02:52

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	04/09/2003 23:47	
Benzene	ND	5.0	ug/Kg	1.00	04/09/2003 23:47	
Toluene	ND	5.0	ug/Kg	1.00	04/09/2003 23:47	
Ethyl benzene	ND	5.0	ug/Kg	1.00	04/09/2003 23:47	
Total xylenes	ND	5.0	ug/Kg	1.00	04/09/2003 23:47	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	04/09/2003 23:47	
Surrogates(s)						
1,2-Dichloroethane-d4	107.6	70-121	%	1.00	04/09/2003 23:47	
Toluene-d8	95.5	81-117	%	1.00	04/09/2003 23:47	

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Project: 245-0548-006
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Site: 11989 Dublin Rd
Dublin, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SB-1-15	Lab ID:	2003-04-0132-3
Sampled:	04/01/2003 07:45	Extracted:	4/10/2003 00:54
Matrix:	Soil	QC Batch#:	2003/04/09-0262

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	04/10/2003 00:54	
Benzene	ND	5.0	ug/Kg	1.00	04/10/2003 00:54	
Toluene	ND	5.0	ug/Kg	1.00	04/10/2003 00:54	
Ethyl benzene	ND	5.0	ug/Kg	1.00	04/10/2003 00:54	
Total xylenes	ND	5.0	ug/Kg	1.00	04/10/2003 00:54	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	04/10/2003 00:54	
Surrogates(s)						
1,2-Dichloroethane-d4	105.2	70-121	%	1.00	04/10/2003 00:54	
Toluene-d8	97.3	81-117	%	1.00	04/10/2003 00:54	

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Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SB-f-20	Lab ID:	2003-04-0132 - 4
Sampled:	04/01/2003 08:00	Extracted:	4/10/2003 01:16
Matrix:	Soil	QC Batch#:	2003/04/09-02.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	04/10/2003 01:16	
Benzene	ND	5.0	ug/Kg	1.00	04/10/2003 01:16	
Toluene	ND	5.0	ug/Kg	1.00	04/10/2003 01:16	
Ethyl benzene	ND	5.0	ug/Kg	1.00	04/10/2003 01:16	
Total xylenes	ND	5.0	ug/Kg	1.00	04/10/2003 01:16	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	04/10/2003 01:16	
Surrogates(s)						
1,2-Dichloroethane-d4	105.1	70-121	%	1.00	04/10/2003 01:16	
Toluene-d8	94.9	81-117	%	1.00	04/10/2003 01:16	

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Site: 11989 Dublin Rd
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Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SB-1-25	Lab ID:	2003-04-0132 - 5
Sampled:	04/01/2003 08:30	Extracted:	4/10/2003 01:38
Matrix:	Soil	QC Batch#:	2003/04/09-02:62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	04/10/2003 01:38	
Benzene	ND	5.0	ug/Kg	1.00	04/10/2003 01:38	
Toluene	ND	5.0	ug/Kg	1.00	04/10/2003 01:38	
Ethyl benzene	ND	5.0	ug/Kg	1.00	04/10/2003 01:38	
Total xylenes	ND	5.0	ug/Kg	1.00	04/10/2003 01:38	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	04/10/2003 01:38	
Surrogates(s)						
1,2-Dichloroethane-d4	107.1	70-121	%	1.00	04/10/2003 01:38	
Toluene-d8	100.4	81-117	%	1.00	04/10/2003 01:38	

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Site: 11989 Dublin Rd
Dublin, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SB-1-30	Lab ID:	2003-04-0132-6
Sampled:	04/01/2003 09:00	Extracted:	4/10/2003 02:00
Matrix:	Soil	QC Batch#:	2003/04/09-02-62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	04/10/2003 02:00	
Benzene	ND	5.0	ug/Kg	1.00	04/10/2003 02:00	
Toluene	ND	5.0	ug/Kg	1.00	04/10/2003 02:00	
Ethyl benzene	ND	5.0	ug/Kg	1.00	04/10/2003 02:00	
Total xylenes	ND	5.0	ug/Kg	1.00	04/10/2003 02:00	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	04/10/2003 02:00	
Surrogates(s)						
1,2-Dichloroethane-d4	106.4	70-121	%	1.00	04/10/2003 02:00	
Toluene-d8	98.0	81-117	%	1.00	04/10/2003 02:00	

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Prep(s):	6030B	Test(s):	8260FAB
Sample ID:	SB-1-35	Lab ID:	2003-04-0132-7
Sampled:	04/01/2003 09:30	Extracted:	4/10/2003 02:22
Matrix:	Soil	QC Batch#:	2003/04/09-02-62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	7000	1000	ug/Kg	1.00	04/10/2003 02:22	g
Benzene	ND	5.0	ug/Kg	1.00	04/10/2003 02:22	
Toluene	ND	5.0	ug/Kg	1.00	04/10/2003 02:22	
Ethyl benzene	ND	5.0	ug/Kg	1.00	04/10/2003 02:22	
Total xylenes	ND	5.0	ug/Kg	1.00	04/10/2003 02:22	
Methyl tert-butyl ether (MTBE)	9.9	5.0	ug/Kg	1.00	04/10/2003 02:22	
Surrogates(s)						
1,2-Dichloroethane-d4	101.1	70-121	%	1.00	04/10/2003 02:22	
Toluene-d8	97.7	81-117	%	1.00	04/10/2003 02:22	

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Site: 11989 Dublin Rd
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Prep(s):	6030B	Test(s):	8260FAB
Sample ID:	SB-2-5	Lab ID:	2003-04-0132 - 9
Sampled:	04/01/2003 11:00	Extracted:	4/14/2003 13:53
Matrix:	Soil	QC Batch#:	2003/04/14-02.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	04/14/2003 13:53	
Benzene	ND	5.0	ug/Kg	1.00	04/14/2003 13:53	
Toluene	ND	5.0	ug/Kg	1.00	04/14/2003 13:53	
Ethyl benzene	ND	5.0	ug/Kg	1.00	04/14/2003 13:53	
Total xylenes	ND	5.0	ug/Kg	1.00	04/14/2003 13:53	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	04/14/2003 13:53	
Surrogates(s)						
1,2-Dichloroethane-d4	102.1	70-121	%	1.00	04/14/2003 13:53	
Toluene-d8	91.5	81-117	%	1.00	04/14/2003 13:53	

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Gas/BTEX/MTBE by 8260B

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Project: 245-0548-006
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Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SB-2-10	Lab ID:	2003-04-0132 - 10
Sampled:	04/01/2003 11:10	Extracted:	4/10/2003 03:06
Matrix:	Soil	QC Batch#:	2003/04/09-02-62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	04/10/2003 03:06	
Benzene	ND	5.0	ug/Kg	1.00	04/10/2003 03:06	
Toluene	ND	5.0	ug/Kg	1.00	04/10/2003 03:06	
Ethyl benzene	ND	5.0	ug/Kg	1.00	04/10/2003 03:06	
Total xylenes	ND	5.0	ug/Kg	1.00	04/10/2003 03:06	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	04/10/2003 03:06	
Surrogates(s)						
1,2-Dichloroethane-d4	107.4	70-121	%	1.00	04/10/2003 03:06	
Toluene-d8	97.6	81-117	%	1.00	04/10/2003 03:06	

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Project: 245-0548-006
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Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Prep(s):	5090B	Test(s):	8260FAB
Sample ID:	SB-2-15	Lab ID:	2003-04-0132-11
Sampled:	04/01/2003 11:15	Extracted:	4/10/2003 03:28
Matrix:	Soil	QC Batch#:	2003/04/09-02-62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	04/10/2003 03:28	
Benzene	ND	5.0	ug/Kg	1.00	04/10/2003 03:28	
Toluene	ND	5.0	ug/Kg	1.00	04/10/2003 03:28	
Ethyl benzene	ND	5.0	ug/Kg	1.00	04/10/2003 03:28	
Total xylenes	ND	5.0	ug/Kg	1.00	04/10/2003 03:28	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	04/10/2003 03:28	
Surrogates(s)						
1,2-Dichloroethane-d4	102.6	70-121	%	1.00	04/10/2003 03:28	
Toluene-d8	94.1	81-117	%	1.00	04/10/2003 03:28	

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Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SB-2-20	Lab ID:	2003-04-0132-12
Sampled:	04/01/2003 11:20	Extracted:	4/10/2003 03:50
Matrix:	Soil	GC Batch#:	2003/04/09-02-62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	04/10/2003 03:50	
Benzene	ND	5.0	ug/Kg	1.00	04/10/2003 03:50	
Toluene	ND	5.0	ug/Kg	1.00	04/10/2003 03:50	
Ethyl benzene	ND	5.0	ug/Kg	1.00	04/10/2003 03:50	
Total xylenes	ND	5.0	ug/Kg	1.00	04/10/2003 03:50	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	04/10/2003 03:50	
Surrogates(s)						
1,2-Dichloroethane-d4	108.9	70-121	%	1.00	04/10/2003 03:50	
Toluene-d8	98.4	81-117	%	1.00	04/10/2003 03:50	

Gas/BTEX/MTBE by 8260B

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Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
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Prep(s):	5030B	Test(s):	8260/AB
Sample ID:	SB-2-25	Lab ID:	2003-04-0132-13
Sampled:	04/01/2003 11:30	Extracted:	4/10/2003 04:12
Matrix:	Soil	QC Batch#:	2003/04/09-02-62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	04/10/2003 04:12	
Benzene	ND	5.0	ug/Kg	1.00	04/10/2003 04:12	
Toluene	ND	5.0	ug/Kg	1.00	04/10/2003 04:12	
Ethyl benzene	ND	5.0	ug/Kg	1.00	04/10/2003 04:12	
Total xylenes	ND	5.0	ug/Kg	1.00	04/10/2003 04:12	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	04/10/2003 04:12	
Surrogates(s)						
1,2-Dichloroethane-d4	104.9	70-121	%	1.00	04/10/2003 04:12	
Toluene-d8	96.5	81-117	%	1.00	04/10/2003 04:12	

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Site: 11989 Dublin Rd
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Prep(s):	6030B	Test(s):	8260FAB
Sample ID:	SB-2-30	Lab ID:	2003-04-0132 - 14
Sampled:	04/01/2003 11:45	Extracted:	4/14/2003 14:15
Matrix:	Soil	QC Batch#:	2003/04/14-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	04/14/2003 14:15	
Benzene	ND	5.0	ug/Kg	1.00	04/14/2003 14:15	
Toluene	ND	5.0	ug/Kg	1.00	04/14/2003 14:15	
Ethyl benzene	ND	5.0	ug/Kg	1.00	04/14/2003 14:15	
Total xylenes	ND	5.0	ug/Kg	1.00	04/14/2003 14:15	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	04/14/2003 14:15	
Surrogates(s)						
1,2-Dichloroethane-d4	101.6	70-121	%	1.00	04/14/2003 14:15	
Toluene-d8	94.5	81-117	%	1.00	04/14/2003 14:15	

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Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SB-2-35	Lab ID:	2003-04-0132 - 16
Sampled:	04/01/2003 11:50	Extracted:	4/14/2003 15:21
Matrix:	Soil	QC Batch#:	2003/04/14-01 62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	04/14/2003 15:21	
Benzene	ND	5.0	ug/Kg	1.00	04/14/2003 15:21	
Toluene	ND	5.0	ug/Kg	1.00	04/14/2003 15:21	
Ethyl benzene	ND	5.0	ug/Kg	1.00	04/14/2003 15:21	
Total xylenes	ND	5.0	ug/Kg	1.00	04/14/2003 15:21	
Methyl tert-butyl ether (MTBE)	250	5.0	ug/Kg	1.00	04/14/2003 15:21	
Surrogates(s)						
1,2-Dichloroethane-d4	99.9	70-121	%	1.00	04/14/2003 15:21	
Toluene-d8	98.0	81-117	%	1.00	04/14/2003 15:21	

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STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

04/17/2003 12:00

Gas/BTEX/MTBE by 8260B

Cambria Environmental Emeryville
Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170
Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SB-3-5	Lab ID:	2003-04-0132-17
Sampled:	04/01/2003 12:00	Extracted:	4/14/2003 15:43
Matrix:	Soil	QC Batch#:	2003/04/14-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	04/14/2003 15:43	
Benzene	ND	5.0	ug/Kg	1.00	04/14/2003 15:43	
Toluene	ND	5.0	ug/Kg	1.00	04/14/2003 15:43	
Ethyl benzene	ND	5.0	ug/Kg	1.00	04/14/2003 15:43	
Total xylenes	ND	5.0	ug/Kg	1.00	04/14/2003 15:43	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	04/14/2003 15:43	
Surrogates(s)						
1,2-Dichloroethane-d4	102.1	70-121	%	1.00	04/14/2003 15:43	
Toluene-d8	96.0	81-117	%	1.00	04/14/2003 15:43	

Gas/BTEX/MTBE by 8260B

Cambria Environmental Emeryville

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Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SB-3-10	Lab ID:	2003-04-0132-18
Sampled:	04/01/2003 12:10	Extracted:	4/14/2003 16:05
Matrix:	Soil	QC Batch#:	2003/04/14-01-62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	04/14/2003 16:05	
Benzene	ND	5.0	ug/Kg	1.00	04/14/2003 16:05	
Toluene	ND	5.0	ug/Kg	1.00	04/14/2003 16:05	
Ethyl benzene	ND	5.0	ug/Kg	1.00	04/14/2003 16:05	
Total xylenes	ND	5.0	ug/Kg	1.00	04/14/2003 16:05	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	04/14/2003 16:05	
Surrogates(s)						
1,2-Dichloroethane-d4	103.0	70-121	%	1.00	04/14/2003 16:05	
Toluene-d8	98.1	81-117	%	1.00	04/14/2003 16:05	

Severn Trent Laboratories, Inc.

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04/17/2003 12:00

Gas/BTEX/MTBE by 8260B

Cambria Environmental Emeryville

Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Prep(s):	5030B	Test(s):	8260FAS
Sample ID:	SB-3-15	Lab ID:	2003-04-0132-19
Sampled:	04/01/2003 12:15	Extracted:	4/14/2003 16:27
Matrix:	Soil	QC Batch#:	2003/04/14-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	04/14/2003 16:27	
Benzene	ND	5.0	ug/Kg	1.00	04/14/2003 16:27	
Toluene	ND	5.0	ug/Kg	1.00	04/14/2003 16:27	
Ethyl benzene	ND	5.0	ug/Kg	1.00	04/14/2003 16:27	
Total xylenes	ND	5.0	ug/Kg	1.00	04/14/2003 16:27	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	04/14/2003 16:27	
Surrogates(s)						
1,2-Dichloroethane-d4	101.5	70-121	%	1.00	04/14/2003 16:27	
Toluene-d8	97.4	81-117	%	1.00	04/14/2003 16:27	

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04/17/2003 12:00

Gas/BTEX/MTBE by 8260B

Cambria Environmental Emeryville
Attn.: Stu Dalie

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Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SB-3-20	Lab ID:	2003-04-0132 - 20
Sampled:	04/01/2003 12:20	Extracted:	4/14/2003 16:49
Matrix:	Soil	QC Batch#:	2003/04/14/0162

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	04/14/2003 16:49	
Benzene	ND	5.0	ug/Kg	1.00	04/14/2003 16:49	
Toluene	ND	5.0	ug/Kg	1.00	04/14/2003 16:49	
Ethyl benzene	ND	5.0	ug/Kg	1.00	04/14/2003 16:49	
Total xylenes	ND	5.0	ug/Kg	1.00	04/14/2003 16:49	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	04/14/2003 16:49	
Surrogates(s)						
1,2-Dichloroethane-d4	101.2	70-121	%	1.00	04/14/2003 16:49	
Toluene-d8	98.4	81-117	%	1.00	04/14/2003 16:49	

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Gas/BTEX/MTBE by 8260B

Cambria Environmental Emeryville

Attn.: Stu Dalie

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Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SB-3-25	Lab ID:	2003-04-0132-21
Sampled:	04/01/2003 12:30	Extracted:	4/14/2003 17:11
Matrix:	Soil	QC Batch#:	2003/04/14-01.62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	04/14/2003 17:11	
Benzene	ND	5.0	ug/Kg	1.00	04/14/2003 17:11	
Toluene	ND	5.0	ug/Kg	1.00	04/14/2003 17:11	
Ethyl benzene	ND	5.0	ug/Kg	1.00	04/14/2003 17:11	
Total xylenes	ND	5.0	ug/Kg	1.00	04/14/2003 17:11	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	04/14/2003 17:11	
Surrogates(s)						
1,2-Dichloroethane-d4	102.4	70-121	%	1.00	04/14/2003 17:11	
Toluene-d8	94.8	81-117	%	1.00	04/14/2003 17:11	

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Gas/BTEX/MTBE by 8260B

Cambria Environmental Emeryville
Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Prep(s):	5030B	Test(s):	8260FAB
Sample ID:	SB-3-30	Lab ID:	2003-04-0132-22
Sampled:	04/01/2003 12:45	Extracted:	4/14/2003 19:26
Matrix:	Soil	QC Batch#:	2003/04/14-0162

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	1.00	04/14/2003 19:26	
Benzene	ND	5.0	ug/Kg	1.00	04/14/2003 19:26	
Toluene	ND	5.0	ug/Kg	1.00	04/14/2003 19:26	
Ethyl benzene	ND	5.0	ug/Kg	1.00	04/14/2003 19:26	
Total xylenes	ND	5.0	ug/Kg	1.00	04/14/2003 19:26	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	1.00	04/14/2003 19:26	
Surrogates(s)						
1,2-Dichloroethane-d4	99.8	70-121	%	1.00	04/14/2003 19:26	
Toluene-d8	99.9	81-117	%	1.00	04/14/2003 19:26	

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04/17/2003 12:00

Gas/BTEX/MTBE by 8260B

Cambria Environmental Emeryville

Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Batch QC Report					
Prep(s): 5030B				Test(s): 8260FAB	
Method Blank		Soil		QC Batch # 2003/04/09-02.62	
MB: 2003/04/09-02.62-040				Date Extracted: 04/09/2003 12:40	

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	04/09/2003 12:40	
Gasoline	ND	1000	ug/Kg	04/09/2003 12:40	
Benzene	ND	5.0	ug/Kg	04/09/2003 12:40	
Toluene	ND	5.0	ug/Kg	04/09/2003 12:40	
Ethyl benzene	ND	5.0	ug/Kg	04/09/2003 12:40	
Total xylenes	ND	5.0	ug/Kg	04/09/2003 12:40	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	04/09/2003 12:40	
Surrogates(s)					
1,2-Dichloroethane-d4	102.8	70-121	%	04/09/2003 12:40	
Toluene-d8	99.5	81-117	%	04/09/2003 12:40	

Gas/BTEX/MTBE by 8260B

Cambria Environmental Emeryville

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Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Batch QC Report					
Prep(s): 5030B				Test(s): 8260FAB	
Method Blank		Soil		QC Batch # 2003/04/14-01.62	
MB: 2003/04/14-01.62-060				Date Extracted: 04/14/2003 10:57	

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	04/15/2003 10:57	
Benzene	ND	5.0	ug/Kg	04/15/2003 10:57	
Toluene	ND	5.0	ug/Kg	04/15/2003 10:57	
Ethyl benzene	ND	5.0	ug/Kg	04/15/2003 10:57	
Total xylenes	ND	5.0	ug/Kg	04/15/2003 10:57	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	04/15/2003 10:57	
Surrogates(s)					
1,2-Dichloroethane-d4	102.4	70-121	%	04/15/2003 10:57	
Toluene-d8	100.8	81-117	%	04/15/2003 10:57	

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04/17/2003 12:00

Gas/BTEX/MTBE by 8260B

Cambria Environmental Emeryville

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Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Batch QC Report					
Prep(s): 5030B				Test(s): 8260FAB	
Method Blank		Water		QC Batch # 2003/04/14-02.62	
MB: 2003/04/14-02.62-044				Date Extracted: 04/14/2003 12:25	

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	04/14/2003 12:25	
Benzene	ND	0.5	ug/L	04/14/2003 12:25	
Toluene	ND	0.5	ug/L	04/14/2003 12:25	
Ethylbenzene	ND	0.5	ug/L	04/14/2003 12:25	
Total xylenes	ND	1.0	ug/L	04/14/2003 12:25	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	04/14/2003 12:25	
Surrogates(s)					
1,2-Dichloroethane-d4	102.2	76-114	%	04/14/2003 12:25	
Toluene-d8	100.6	88-110	%	04/14/2003 12:25	

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04/17/2003 12:00

Gas/BTEX/MTBE by 8260B

Cambria Environmental Emeryville
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Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Batch QC Report			
Prep(s): 5030B		Test(s): 8260FAB	
Laboratory Control Spike		Soil	
QC Batch # 2003/04/09-02.62			
LCS	2003/04/09-02.62-056	Extracted: 04/09/2003	Analyzed: 04/09/2003 11:56
LCSD	2003/04/09-02.62-018	Extracted: 04/09/2003	Analyzed: 04/09/2003 12:18

Compound	Conc. ug/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	49.9	50.6	50.0	99.8	101.2	1.4	69-129	20		
Toluene	49.1	50.1	50.0	98.2	100.2	2.0	70-130	20		
Methyl tert-butyl ether (MTBE)	56.8	55.8	50.0	113.6	111.6	1.8	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	495	505	500	99.0	101.0		70-121			
Toluene-d8	482	487	500	96.4	97.4		81-117			

Severn Trent Laboratories, Inc.

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04/17/2003 12:00

Gas/BTEX/MTBE by 8260B

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Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170
Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Batch QC Report			
Prep(s): 5030B			Test(s): 8260B
Laboratory Control Spike	Soil		QC Batch # 2003/04/14-01.62
LCS : 2003/04/14-01.62-013	Extracted: 04/14/2003		Analyzed: 04/14/2003 10:13
LCSD : 2003/04/14-01.62-035	Extracted: 04/14/2003		Analyzed: 04/14/2003 10:35

Compound	Conc. ug/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	59.0	55.7	50.0	118.0	111.4	5.8	65-165	20		
Benzene	49.2	50.9	50.0	98.4	101.8	3.4	69-129	20		
Toluene	50.5	53.0	50.0	101.0	106.0	4.8	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	542	497	500	108.4	99.4		70-121			
Toluene-d8	494	531	500	98.8	106.2		81-117			

Gas/BTEX/MTBE by 8260B

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Oakland, CA 94608-1053
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Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Batch QC Report			
Prep(s): 5030B			Test(s): 8260B
Laboratory Control Spike	Water		QC Batch # 2003/04/14-02.62
LCS: 2003/04/14-02.62-041	Extracted: 04/14/2003		Analyzed: 04/14/2003 11:41
LCSD: 2003/04/14-02.62-003	Extracted: 04/14/2003		Analyzed: 04/14/2003 12:03

Compound	Conc. ug/L		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	28.8	29.8	25.0	115.2	119.2	3.4	65-165	20		
Benzene	23.8	24.4	25.0	95.2	97.6	2.5	69-129	20		
Toluene	24.7	26.1	25.0	98.8	104.4	5.5	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	503	527	500	100.6	105.4		76-114			
Toluene-d8	492	517	500	98.4	103.4		88-110			

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04/17/2003 12:00

Gas/BTEX/MTBE by 8260B

Cambria Environmental Emeryville

Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Batch QC Report			
Prep(s): 5030B			Test(s): 8260FAB
Matrix Spike (MS / MSD)		Soil	QC Batch # 2003/04/09-02.62
SB-1-10 >> MS			Lab ID: 2003-04-0132-002
MS: 2003/04/09-02.62-009	Extracted: 04/10/2003		Analyzed: 04/10/2003 00:09
			Dilution: 1.00
MSD: 2003/04/09-02.62-031	Extracted: 04/10/2003		Analyzed: 04/10/2003 00:31
			Dilution: 1.00

Compound	Conc.		Spk. Level	Recovery			Limits %		Flags		
	MS	MSD		Sample	ug/Kg	MS	MSD	RPD	Rec.	RPD	MS
Benzene	55.9	55.9	ND	49.6	112.7	115.5	2.5	69-129	20		
Toluene	53.1	51.1	ND	49.6	107.1	105.6	1.4	70-130	20		
Methyl tert-butyl ether	68.6	64.9	ND	49.6	138.3	134.1	3.1	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	537	530		500	107.4	106.0		70-121			
Toluene-d8	492	484		500	98.4	96.7		81-117			

Gas/BTEX/MTBE by 8260B

Cambria Environmental Emeryville
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Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Batch QC Report			
Prep(s): 5030B			Test(s): 8260FAB
Matrix Spike (MS / MSD)	Soil	QC Batch # 2003/04/14-0162	
SB-2-30 >>> MS		Lab ID:	2003-04-0132-014
MS: 2003/04/14-0162-087	Extracted: 04/14/2003	Analyzed:	04/14/2003 14:37
		Dilution:	1.00
MSD: 2003/04/14-0162-059	Extracted: 04/14/2003	Analyzed:	04/14/2003 14:59
		Dilution:	1.00

Compound	Conc. ug/Kg		Spk. Level	Recovery			Limits %		Flags		
	MS	MSD		Sample	ug/Kg	MS	MSD	RPD	Rec.	RPD	MS
Benzene	45.2	46.2	ND	48.7	92.8	95.5	2.9	69-129	20		
Toluene	46.4	47.3	ND	48.7	95.3	97.7	2.5	70-130	20		
Methyl tert-butyl ether	57.7	56.2	ND	48.7	118.5	116.1	2.0	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	521	515		500	104.2	103.0		70-121			
Toluene-d8	514	487		500	102.8	97.4		81-117			

Gas/BTEX/MTBE by 8260B

Cambria Environmental Emeryville

Attn.: Stu Dalie

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Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Legend and Notes

Result Flag

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard.

LAB: STL San Francisco

SHELL Chain Of Custody Record

73173

Lab Identification (if necessary)

Address: 1230 Cherry Lane

City, State, Zip: Pleasanton, CA 94566

Shell Project Manager to be Invoiced:

Product/Environmental
 Technical Services
 Other

Karen Palyna

2003-04-0132

INCIDENT NUMBER (SEE ONLY)

9 8 9 9 5 3 2 8

SAMPLE IDENTIFICATION (SEE CRMT)

1 3 5 2 4 3

DATE: 4/1/03

PAGE: 1 of 3

CAMBRIDGE COMPANY: Cambria Environmental ADDRESS: 5500 Hollis Street, Suite A Emeryville CA PHONE: 510-420-3339 FAX: 510-420-9170 EMAIL: adale@cambria-env.com	LAB USE ONLY: LAB ID NO: T0600102083 CONSULTANT PROJECT NO: 245-0548-006
SITE ADDRESS (Street and City): 11989 Dublin Rd, Dublin, CA PHONE NO.: 510-420-3339 EMAIL: adale@cambria-env.com LAB USE ONLY: SITE NAME (if any): Stu Dale	GLOBAL ID NO.: T0600102083 CONSULTANT PROJECT NO.: 245-0548-006

TURNAROUND TIME (BUSINESS DAYS)
 1-3 DAYS 5 DAYS 72 HOURS 48 HOURS 24 HOURS LESS THAN 24 HOURS

LA - RWQCB REPORT FORMAT USE AGENCY

CONFORMANCE CONFIRMATION: HIGHEST _____ HIGHEST BY BORING _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDC IS NOT NEEDED

TPH, BTEX and MTBE by 3260.

cc: lab report to adale@cambria-env.com

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Gas, Purgeable	BTEX	MTBE (B021B - Spill Kit)	MTBE (non-spill kit)	Oxygenates (S) by (ASTM)	Ethanol (E200B)	Methanol	EDB & 1,2-DCA (E160B)	EPA 5035 Extractable Polycyclic Aromatics	VOCs (Halogenated) (E161B)	TRPH (E161-1)	Vapor VOCs BTEX (TO-15)	Vapor VOCs - Fuel Lix (TO-17)	Vapor TPH (ASTM 3415m)	Vapor Fused Oxoos (ASTM D1816)	Test for Disposal (4B-)	TPH - Ethanol Extractable (E015m)	MTBE (B021B) Confirmation, See Note	FIELD NOTES: Containment/Preservative or PID Readings or Laboratory Notes	
		DATE	TIME																						
	SB-1-5'	4/1/03	7:30	Soil	1	X	X	X																	
	SB-1-10'	4/1/03	7:40		1	X	X	X																	
	SB-1-15'	4/1/03	7:45		1	X	X	X																	
	SB-1-20'	4/1/03	8:00		1	X	X	X																	
	SB-1-25'	4/1/03	8:30		1	X	X	X																	
	SB-1-30'	4/1/03	9:00		1	X	X	X																	
	SB-1-35'	4/1/03	9:30		1	X	X	X																	
	SB-1-WL	4/1/03	9:15	H ₂ O	3	X	X	X																	
	SB-2-5'	4/1/03	11:00	Soil	1	X	X	X																	
	SB-2-10'	4/1/03	11:10	Soil	1	X	X	X																	

2.1°C
 ON RECEIPT

Requested by: (Signature) 	Received by: (Signature) 	Date: 4/1/03 Time: 8:00 A.M.
Requested by: (Signature) 	Received by: (Signature) 	Date: 4/13/03 Time: 11:05
Requested by: (Signature) 	Received by: (Signature) 	Date: 4/13/03 Time: 17:46

DISTRIBUTION: White with blue markers, Green for POC, Yellow and Pink for Client

S&LO Graphic 1714J 0588 8702

Lab Identification (if necessary):

Address: 1230 Quarry Lane

City, State, Zip: Pleasanton, CA 94566

Shell Project Manager to be invoiced:

SCIENCE & ENGINEERING
 TECHNICAL SERVICES
 CLERM INDUSTRIES

Karen Petryns

03-04-0132

INCIDENT NUMBER (S&E ONLY)							
9	8	9	9	5	3	2	8
SAP or CRM NUMBER (S&E ONLY)							
1	3	5	2	4	3		

DATE: 4/1/03

PAGE: 2 of 3

SAMPLING CONTRACT		LOG CODE:	SHIP ADDRESS (SHIP TO CITY):	GLOBAL ID NO.:
Cambria Environmental		CETO	11989 Dublin Rd, Dublin, CA	T0600102083
ADDRESS:		DATE DELIVERABLE TO (Shipper's Party of Origin):	PHONE NO.:	EMAIL:
5900 Hollis Street, Suite A, Emeryville CA			510-420-3339	scalls@cambria-env.com
PROJECT CONTACT (Partner or RFP Request):		SHIPMENT HANDLER (Cambria Env):	SHIPMENT NUMBER (S&E ONLY):	CONSULTANT PROJECT NO.:
Stewart Delle		SHIPMENT NAME (S&E ONLY):		246-0548-006
TELEPHONE:	FAX:	EMAIL:	SHIP DATE:	
510-420-3339	510-420-9170	sdelle@cambria-env.com		

TURNAROUND TIME (BUSINESS DAYS):
 10 DAYS 5 DAYS 72 HOURS 48 HOURS 24 HOURS LESS THAN 24 HOURS

LA - RWCC REPORT FORMAT LIST AGENCY

GOING MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BOP/VC _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF BDD IS NOT NEEDED

TPHs, BTEX and MTBE by #260

cc: lab report to sdelle@cambria-env.com

REQUESTED ANALYSIS

TPH - Gen. Purgable	BTEX	MTBE (EPA 16 - Spill RL)	MTBE (EPA 16 - Spill RL)	Organics (2) by (EPA 816)	Ethanol (EPA 816)	Methanol	EPA 816-1 (EPA 816)	EPA 816-5 Extraction for Volatiles	VOCs - Halogenated Aromatic (EPA 816)	TPH (EPA 816)	Vapor VOCs BTEX (TO-15)	Vapor VOCs Full List (TO-15)	Vapor TPH (ASTM 3480)	Vapor Fixed Oil (ASTM D1545)	Test for Disposal (EPA 816)	TPH (Direct, Extractable) (EPA 816)	MTBE (EPA 816) Confirmation, See Note	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes 2.1°C
---------------------	------	--------------------------	--------------------------	---------------------------	-------------------	----------	---------------------	------------------------------------	---------------------------------------	---------------	-------------------------	------------------------------	-----------------------	------------------------------	-----------------------------	-------------------------------------	---------------------------------------	---

Lab Use Only	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Gen. Purgable	BTEX	MTBE (EPA 16 - Spill RL)	MTBE (EPA 16 - Spill RL)	Organics (2) by (EPA 816)	Ethanol (EPA 816)	Methanol	EPA 816-1 (EPA 816)	EPA 816-5 Extraction for Volatiles	VOCs - Halogenated Aromatic (EPA 816)	TPH (EPA 816)	Vapor VOCs BTEX (TO-15)	Vapor VOCs Full List (TO-15)	Vapor TPH (ASTM 3480)	Vapor Fixed Oil (ASTM D1545)	Test for Disposal (EPA 816)	TPH (Direct, Extractable) (EPA 816)	MTBE (EPA 816) Confirmation, See Note	TEMPERATURE ON RECEIPT (C)
		DATE	TIME																					
1	SB-2-15'	4/1/03	11:15	Soil	1	X	X	X																
2	SB-2-20'	4/1/03	11:20		1	X	X	X																
3	SB-2-25'	4/1/03	11:30		1	X	X	X																
4	SB-2-30'	4/1/03	11:45		1	X	X	X																
5	SB-2-WA	4/1/03	2:00	160	3	X	X	X																
6	SB-2-35'	4/1/03	11:50	Soil	1	X	X	X																
7	SB-3-5'	4/1/03	12:00		1	X	X	X																
8	SB-3-10'	4/1/03	12:10		1	X	X	X																
9	SB-3-15'	4/1/03	12:15		1	X	X	X																
10	SB-3-20'	4/1/03	12:20		1	X	X	X																

Requested by (Signature): <i>Stewart Delle</i>	Received by (Signature): <i>Stewart Delle</i>	Date: 4/2/03	Time: 5:00 A.M.
Requested by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: 4/13/03	Time: 11:05
Requested by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: 4/13/03	Time: 1746

LAB: STL San Francisco

SHELL Chain Of Custody Record

73173

Lab Identification (if necessary):

Address: 1220 Quay Lane

City, State, Zip: Pleasanton, CA 94568

Shell Project Manager to be Invoiced:

SCIENCE & ENVIRONMENTAL SERVICES
 OPERATIONAL SERVICES
 CHEMISTRY

Karen Petryna

03-04-0132

INCIDENT NUMBER (SAE ONLY)

9 8 9 9 5 3 2 8

BAR CODE CRMT NUMBER (ITS/GRMT)

1 3 5 2 4 3

DATE: 4/1/03

PAGE 3 of 3

SAMPLING COMPANY Cambria Environmental		LAB CODE CBTO	SITE ADDRESS (Street and City) 11989 Dublin Rd, Dublin, CA		GLOBAL ID NO. T0600102083
ADDRESS 5900 Hollis Street, Suite A, Emeryville, CA		EPA DELIVERABLE TO (Preserve Pay or Empty)		PHONE NO.	COMBUSTANT PROJECT NO.
PROJECT CONTACT (Name and Title) Stewart Delle		Shell Email Address (if Cambria-Env.com) sdelle@cambria-env.com		PROJECT NO. 510-420-3339	Shell Email Address (if Cambria-Env.com) sdelle@cambria-env.com
TELEPHONE 510-420-3339	FAX 510-420-9170	EMAIL sdelle@cambria-env.com		SAMPLER CATALOG #	

TURNAROUND TIME (BUSINESS DAYS)
 10 DAYS 5 DAYS 72 HOURS 48 HOURS 24 HOURS LESS THAN 24 HOURS

LA - RWQCE REPORT FORMAT UST AGENCY

GC/MS MTBE CONFIRMATION: HIGHEST _____ HIGHEST per BORING _____ ALL _____

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NOT NEEDED

TPHg, BTEX and MTBE by 8269.
 cc: lab report to sdelle@cambria-env.com

REQUESTED ANALYSIS

TPH - Diss. Purgeable	BTEX	MTBE (6671B - Spill RU)	MTBE (6260B - 0.5ppb RL)	Oxybenzone (3) by (8269B)	Ethanol (7260B)	Methanol	EDB & 1,1-DCA (8269B)	EPA 805 Extraction for Volatiles	VOCs Non-halogenated (8021B)	TRPH (418-1)	Vapor VOCs - BTEX / MTBE (70-15)	Vapor VOCs - Full List (70-15)	Vapor TPH (ASTM 3418a)	Vapor Paced Gases (ASTM D1914)	Test for Disposal (4B-)	TPH - Dissal. Extractable (M1.5a)	MTBE (6260B) Confirmation, See Note

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

2.1 °C

TEMPERATURE ON RECEIPT: ON ice

LAB USE ONLY	Field Sample Identification:		SAMPLING		MAYK	NO. OF CONT.	TPH - Diss. Purgeable	BTEX	MTBE (6671B - Spill RU)	MTBE (6260B - 0.5ppb RL)	Oxybenzone (3) by (8269B)	Ethanol (7260B)	Methanol	EDB & 1,1-DCA (8269B)	EPA 805 Extraction for Volatiles	VOCs Non-halogenated (8021B)	TRPH (418-1)	Vapor VOCs - BTEX / MTBE (70-15)	Vapor VOCs - Full List (70-15)	Vapor TPH (ASTM 3418a)	Vapor Paced Gases (ASTM D1914)	Test for Disposal (4B-)	TPH - Dissal. Extractable (M1.5a)	MTBE (6260B) Confirmation, See Note
	DATE	TIME																						
1	SB-3-25'	4/1/03	12:30	Soil	1	X	X	X																
2	SB-3-30'	4/1/03	12:15	Soil	1	X	X	X																
3	SB-3-W1	4/1/03	1:00	HO	3	X	X	X																
4	SB-3-W2	4/1/03	1:30	HO	3	X	X	X																
		4/1/03				X	X	X																
		4/1/03				X	X	X																
		4/1/03				X	X	X																
		4/1/03				X	X	X																
		4/1/03				X	X	X																

Requested by: (Signature) <i>Stewart Delle</i>	Released by: (Signature) <i>Stewart Delle</i>	Date: 4/2/03	Time: 8:00 A.M.
Requested by: (Signature) <i>[Signature]</i>	Requested by: (Signature) <i>[Signature]</i>	Date: 4/13/03	Time: 11:05
Requested by: (Signature) <i>[Signature]</i>	Requested by: (Signature) <i>[Signature]</i>	Date: 4/13/03	Time: 17:46

DISTRIBUTION: Yellow with (Red) return; Green to File; Yellow and Pink to Client

1015700 Revision

S&E Controls (714) 958-9702

waste disposal samples

Cambria Environmental Emeryville

April 16, 2003

1144 65Th Street, Suite C
Oakland, CA 94608-1053

Attn.: Stu Dalie

Project#: 245-0548-006

Project: 98995328

Site: 11989 Dublin Rd
Dublin, CA

Attached is our report for your samples received on 04/03/2003 11:05

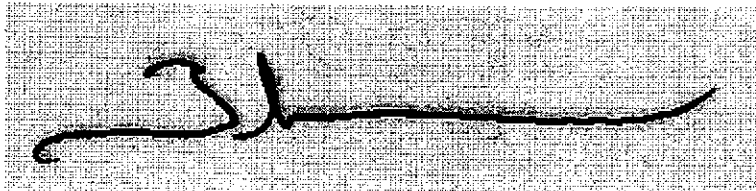
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 05/18/2003 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.

You can also contact me via email. My email address is: tgranicher@stl-inc.com

Sincerely,



Tod Granicher
Project Manager

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

Cambria Environmental Emeryville

April 16, 2003

1144 65Th Street, Suite C
Oakland, CA 94608-1053

Attn.: Stu Dalie

Project#: 245-0548-006

Project: 98995328

Site: 11989 Dublin Rd
Dublin, CA

Attached is our report for your samples received on 04/03/2003 11:05

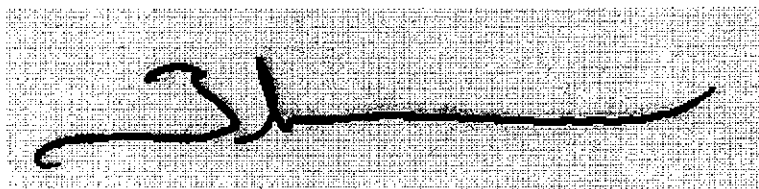
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after 05/18/2003 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions, please call me at (925) 484-1919.

You can also contact me via email. My email address is: tgranicher@stl-inc.com

Sincerely,



Tod Granicher
Project Manager

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

LUFT 5 Metals

Cambria Environmental Emeryville
Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lot #
SP-1,2,3,4	04/01/2003 05:00	Soil	1

LUFT 5 Metals

Cambria Environmental Emeryville

Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Prepts: 3050B	6010B
Sample ID: SP-1234	2003-04-0129-11
Sampled: 04/01/2003 05:09	Extracted: 07/2003 05:39
Matrix: Soil	00 Batch: 2003/04/07-04-16

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Cadmium	1.9	0.50	mg/Kg	1.00	04/07/2003 20:53	
Chromium	27	1.0	mg/Kg	1.00	04/07/2003 20:53	
Lead	6.3	1.0	mg/Kg	1.00	04/07/2003 20:53	
Nickel	34	1.0	mg/Kg	1.00	04/07/2003 20:53	
Zinc	42	1.0	mg/Kg	1.00	04/07/2003 20:53	

LUFT 5 Metals

Cambria Environmental Emeryville

Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Batch QC Report	
Prep(s): 3050B	TESTS: 3050B
Method Blank	Soil
MB: 2003/04/07 04/15/03	QC Batch #: 2003/04/07 04/15
	Lab Extended: 04/07/2003 05:19

Compound	Conc.	RL	Unit	Analyzed	Flag
Cadmium	ND	0.50	mg/Kg	04/07/2003 20:19	
Chromium	ND	1.0	mg/Kg	04/07/2003 20:19	
Lead	ND	1.0	mg/Kg	04/07/2003 20:19	
Nickel	ND	1.0	mg/Kg	04/07/2003 20:19	
Zinc	ND	1.0	mg/Kg	04/07/2003 20:19	

LUFT 5 Metals

Cambria Environmental Emeryville

Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Batch/QC Report			
Project: 245-0548-006	Site: 11989 Dublin Rd	City: Dublin, CA	Client: Cambria Environmental
Laboratory Control Spike	Solvent	QC Batch: 2003/04/07/04-15	
LCS: 2003/04/07/04-15-01	Extracted: 04/07/2003	Analyzed: 04/07/2003 20:43	
LCSD: 2003/04/07/04-15-020	Extracted: 04/07/2003	Analyzed: 04/07/2003 20:46	

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Cadmium	96.2	96.6	100.0	96.2	96.6	0.4	80-120	20		
Chromium	96.1	96.6	100.0	96.1	96.6	0.5	80-120	20		
Lead	96.4	97.2	100.0	96.4	97.2	0.8	80-120	20		
Nickel	96.6	97.1	100.0	96.6	97.1	0.5	80-120	20		
Zinc	96.6	97.0	100.0	96.6	97.0	0.4	80-120	20		

Diesel (C10-C24) by 8015m

Cambria Environmental Emeryville

Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab
SP-1,2,3,4	04/01/2003 05:00	Soil	1

Diesel (C10-C24) by 8015m

Cambria Environmental Emeryville

Attn.: Stu Dalie

1144 65th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Prep(S)	3550/8015M	Test(S)	8015M
Sample ID	SP-1,2,3,4	Lab ID	2003-04-0129
Sampled	04/01/2003 05:00	Extracted	4/4/2003 09:15
Matrix	Soil	QC Batch#	2003-04-01-0610

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	2.0	1.0	mg/Kg	1.00	04/09/2003 06:34	ndp
Surrogates(s) o-Terphenyl	80.9	60-130	%	1.00	04/09/2003 06:34	

Diesel (C10-C24) by 8015m

Cambria Environmental Emeryville
Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Batch QC Report					
Prep(s): 3550/8015M					
Method Blank		Source		QC Batch # 2003/04/07-08/10	
MB: 2003/04/04 06:10:00S				Date Extracted: 04/07/2003 14:47	

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	04/07/2003 14:47	
Surrogates(s) o-Terphenyl	88.1	60-130	%	04/07/2003 14:47	

Diesel (C10-C24) by 8015m

Cambria Environmental Emeryville

Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Batch QC Report										
Prep(s):	3030/8015M							Test(s):	8015M	
Laboratory Control Spike		Soil					QC Batch #	2003-04-04-06-10		
LCS	2003-04-04-06-10-003	Extracted	04/04/2003	Analyzed	04/04/2003	16:33				
LCSD	2003-04-04-06-10-004	Extracted	04/04/2003	Analyzed	04/04/2003	17:16				

Compound	Conc. mg/Kg		Exp. Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	36.8	37.6	41.5	88.7	90.6	2.1	60-130	25		
Surrogates(s) o-Terphenyl	18.1	18.5	20.0	90.4	92.3		60-130	0		

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

04/11/2003 16:03

Diesel (C10-C24) by 8015m

Cambria Environmental Emeryville

Attn.: Stu Dalie

1144 65Th Street, Suite C

Oakland, CA 94608-1053

Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006

98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd

Dublin, CA

Legend and Notes

Result Flag

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

Gas/BTEX/MTBE by 8260B

Cambria Environmental Emeryville

Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA**Samples Reported**

Sample Name	Date Sampled	Matrix	Lab
SP-1	04/01/2003	Soil	2
SP-2	04/01/2003	Soil	3
SP-3	04/01/2003	Soil	4
SP-4	04/01/2003	Soil	5

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

04/29/2003 15:15

Gas/BTEX/MTBE by 8260B

Cambria Environmental Emeryville
Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Prep(s):	5030B	Test(s):	8260EAB
Sample ID:	SP-1	Lab ID:	2003-04-0129-2
Sampled:	04/01/2003	Extracted:	4/20/2003 20:11
Matrix:	Soil	QC Batch#:	2003/04/20-0152

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/20/2003 20:11	
Benzene	ND	0.0050	mg/Kg	1.00	04/20/2003 20:11	
Toluene	ND	0.0050	mg/Kg	1.00	04/20/2003 20:11	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	04/20/2003 20:11	
Total xylenes	ND	0.0050	mg/Kg	1.00	04/20/2003 20:11	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	04/20/2003 20:11	
Surrogates(s)						
1,2-Dichloroethane-d4	109.7	70-121	%	1.00	04/20/2003 20:11	
Toluene-d8	94.7	81-117	%	1.00	04/20/2003 20:11	

Gas/BTEX/MTBE by 8260B

Cambria Environmental Emeryville

Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Prep(s):	5030B	Test(s):	8260EAB
Sample ID:	SP-5	Lab ID:	2003-04-0129
Sampled:	04/01/2003	Extracted:	4/20/2003 20:33
Matrix:	Soil	QC Batch#:	2003/04/20-01-62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/20/2003 20:33	
Benzene	ND	0.0050	mg/Kg	1.00	04/20/2003 20:33	
Toluene	ND	0.0050	mg/Kg	1.00	04/20/2003 20:33	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	04/20/2003 20:33	
Total xylenes	ND	0.0050	mg/Kg	1.00	04/20/2003 20:33	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	04/20/2003 20:33	
Surrogates(s)						
1,2-Dichloroethane-d4	110.1	70-121	%	1.00	04/20/2003 20:33	
Toluene-d8	73.1	81-117	%	1.00	04/20/2003 20:33	slm

Gas/BTEX/MTBE by 8260B

Cambria Environmental Emeryville

Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Prep(s)	8260B	Test(s)	8260B
Sample ID	SP-3	Lab ID	2003-04-0129-4
Sampled	03/01/2003	Extracted	4/20/2003 20:55
Matrix	Soil	GC Batch	2003/04/20 01:62

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/20/2003 20:55	
Benzene	ND	0.0050	mg/Kg	1.00	04/20/2003 20:55	
Toluene	ND	0.0050	mg/Kg	1.00	04/20/2003 20:55	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	04/20/2003 20:55	
Total xylenes	ND	0.0050	mg/Kg	1.00	04/20/2003 20:55	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	04/20/2003 20:55	
Surrogates(s)						
1,2-Dichloroethane-d4	110.1	70-121	%	1.00	04/20/2003 20:55	
Toluene-d8	95.4	81-117	%	1.00	04/20/2003 20:55	

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566
Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

04/29/2003 15:15

Gas/BTEX/MTBE by 8260B

Cambria Environmental Emeryville

Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Rep(s):	5030B	Test(s):	8260B
Sample ID:	SP-4	Lab ID:	2003-04-0129-5
Sampled:	04/21/2003	Extracted:	4/21/2003 12:04
Matrix:	Soil	GC Batch:	2003/04/21/01/02

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	04/21/2003 12:04	
Benzene	ND	0.0050	mg/Kg	1.00	04/21/2003 12:04	
Toluene	ND	0.0050	mg/Kg	1.00	04/21/2003 12:04	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	04/21/2003 12:04	
Total xylenes	ND	0.0050	mg/Kg	1.00	04/21/2003 12:04	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	04/21/2003 12:04	
Surrogates(s)						
1,2-Dichloroethane-d4	106.5	70-121	%	1.00	04/21/2003 12:04	
Toluene-d8	95.5	81-117	%	1.00	04/21/2003 12:04	

Gas/BTEX/MTBE by 8260B

Cambria Environmental Emeryville

Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Batch GC Report					
Prep: 5030B					11:54 04/20/2003
Method: Blank		Soil		GC Batch # 200304/20-0129	
MS: 2003/04/20 01:52:054				Date Extracted: 04/20/2003 11:54	

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	04/20/2003 11:54	
Gasoline	ND	1000	ug/Kg	04/20/2003 11:54	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	04/20/2003 11:54	
Benzene	ND	5.0	ug/Kg	04/20/2003 11:54	
Toluene	ND	5.0	ug/Kg	04/20/2003 11:54	
Ethyl benzene	ND	5.0	ug/Kg	04/20/2003 11:54	
Total xylenes	ND	5.0	ug/Kg	04/20/2003 11:54	
Surrogates(s)					
1,2-Dichloroethane-d4	104.3	70-121	%	04/20/2003 11:54	
Toluene-d8	101.3	81-117	%	04/20/2003 11:54	

Gas/BTEX/MTBE by 8260B

Cambria Environmental Emeryville

Attn.: Stu Dalie

1144 65th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Batch QC Report	
Project: 8260B	Tests: 8260B
Method: Blank	Soil
MB: 2003/04/21/0162-035	QC Batch #: 2003/04/21-0162
	Date Entered: 04/21/2003 11:33

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1000	ug/Kg	04/21/2003 11:33	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/Kg	04/21/2003 11:33	
Benzene	ND	5.0	ug/Kg	04/21/2003 11:33	
Toluene	ND	5.0	ug/Kg	04/21/2003 11:33	
Ethyl benzene	ND	5.0	ug/Kg	04/21/2003 11:33	
Total xylenes	ND	5.0	ug/Kg	04/21/2003 11:33	
Surrogates(s)					
1,2-Dichloroethane-d4	103.5	70-121	%	04/21/2003 11:33	
Toluene-d8	91.4	81-117	%	04/21/2003 11:33	

Gas/BTEX/MTBE by 8260B

Cambria Environmental Emeryville

Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Batch QC Report		
Print: 03/05		Test(s): 8260B
Laboratory Control Spike	Soil	QC Batch #: 2003/04/20/0162
LCS: 2003/04/20/0162-009	Extracted: 04/20/2003	Analyzed: 04/29/2003 11:09
LCSD: 2003/04/20/0162-031	Extracted: 04/20/2003	Analyzed: 04/29/2003 11:31

Compound	Conc. ug/Kg		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	57.8	57.8	50.0	115.6	115.6	0.0	65-165	20		
Benzene	43.0	43.2	50.0	86.0	86.4	0.5	69-129	20		
Toluene	44.9	46.9	50.0	89.8	93.8	4.4	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	548	538	500	109.6	107.6		70-121			
Toluene-d8	496	508	500	99.2	101.6		81-117			

Gas/BTEX/MTBE by 8260B

Cambria Environmental Emeryville

Attn.: Stu Dalie

1144 65th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Batch QC Report			
Project: 2003042129102049	Test: 8260B		
Laboratory Control Spike	Soil	QC Batch # 200304210162	
LCS: 2003042129102049	Extracted: 04/21/2003	Analyzed: 04/21/2003 10:49	
LCSD: 200304210162017	Extracted: 04/21/2003	Analyzed: 04/21/2003 11:11	

Compound	Conc. ug/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	53.7	52.1	50.0	107.4	104.2	3.0	65-165	20		
Benzene	43.1	45.1	50.0	86.2	90.2	4.5	69-129	20		
Toluene	45.8	47.1	50.0	91.6	94.2	2.8	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	541	509	500	108.2	101.8		70-121			
Toluene-d8	539	527	500	107.8	105.4		81-117			

Lab Identification (if necessary)

Address: 1220 Quarry Lane

City, State, Zip: Menlo Park, CA 94025

Shell Project Manager to be Invoiced:

Direct Analysis
 Storage
 Other

Karen Polynka

2003-04-0129

ANALYSIS NUMBER (SEE ONLY)							
9	0	9	9	0	3	2	8
ANALYSIS NUMBER (SEE ONLY)							
1	3	5	2	4	3		

DATE: 4/1/03

PAGE: 1 of 2

LAB NAME Cambria Environmental	LAB CODE CETO	SITE ADDRESS (Street and City) 11889 Dublin Rd, Dublin, CA	GLOBAL ID NO. T0600102083
ADDRESS 5900 Hollis Street, Suite A, Emeryville, CA	OFF. COLLABORATOR TO (Name and Party or Company)	PHONE NO.	CONSULTANT PROJECT NO.
PROJECT CONTACT (Name and POC Report to)	PROJECT CONTACT ADDRESS (Name and Party or Company)	PHONE NO.	CONSULTANT PROJECT NO.
STEWART DATA	STEWART DATA	STEWART DATA	STEWART DATA
TELEPHONE 510-420-3338	FAX 510-420-9170	EMAIL edallas@cambrina-env.com	STEWART DATA

TURNAROUND TIME (BUSINESS DAYS): <input checked="" type="checkbox"/> 11 DAYS <input type="checkbox"/> 3 DAYS <input type="checkbox"/> 72 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 24 HOURS <input type="checkbox"/> LESS THAN 24 HOURS	REQUESTED ANALYSIS
<input type="checkbox"/> CA - INVOICE REPORT FORMAT <input type="checkbox"/> LIST AGENCY	
COMBUSTIBLE CONFIRMATION: HIGHEST _____ HIGHEST BY BORING _____ ALL _____	
SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDO IS NOT NEEDED <input type="checkbox"/> TPH, BTEX and MTBE by 8290 or lab report to edallas@cambrina-env.com Please call composite Sample SP-1	

NO.	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH - Total Petroleum Hydrocarbons	BTEX	MTBE (MSB) - 5ppb RL	BTHS (BTEX) - 5ppb RL	Oxybenzone (B) by (4280)	Ethanol (Petroleum)	Methanol	EHS & 1,2-DCA (2260B)	BPA 5005 Extraction for Volatiles	VOCs (Halogenated) (4000)	TPH (418.1)	Vapor VOCs - 81507 (M) (410.1)	Vapor VOCs - Full List (70-0)	Vapor TPH (ASTM) (410.1)	Vapor Pesticides - (ASTM 3196)	Vapor PCBs (ASTM) (410.1)	TPH - Diesel, Creosote (40.1)	MTBE (5000) Confirmable, 500 Yards	TEMPERATURE ON RECEIPT OF	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
		DATE	TIME																						
	SP-1A	4/1/03	5:00	Soil	1	X	X	X																2.1°C	
	SP-1B	4/1/03	5:00	Soil	1	X	X	X																Please call composite	
	SP-1C	4/1/03	5:00	Soil	1	X	X	X																5 Sample	
	SP-1D	4/1/03	5:00	Soil	1	X	X	X																(SP-1) 04	
		4/1/03				X	X	X																	
		4/1/03				X	X	X																	
		4/1/03				X	X	X																	
		4/1/03				X	X	X																	
		4/1/03				X	X	X																	

Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date: 4/2/03	Time: 8:00 A.M.
Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date: 4/2/03	Time: 1:05
Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	Date: 4/2/03	Time: 1:40

This information is business proprietary and confidential and must not be divulged or shared outside the company. The use of this information is strictly for the purpose of doing business with the Centralized Residual Management Team (CRMT). Upon termination of the relationship with the CRMT, this information is not to be forwarded, duplicated, shared or used for any purpose other than for the documentation of past actions.

RESIDUAL MANAGEMENT PROCEDURE

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

RESIDUAL STREAM: SOIL WITH DIESEL
VENDOR: ALLIED-BFI
LOCATION: ALLIED WASTE - MANTECA,
9999 SOUTH AUSTIN ROAD
MANTECA, CA 95336

CALIFORNIA - TRANSPORTATION AND RETAIL

5 **CAM METALS = TTLC METALS**
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 TELP REGULATORY LEVELS, TELP IS REQUIRED

TOTAL PETROLEUM HYDROCARBONS, METHOD 418.1 OR 8015 - DIESEL

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

- LABORATORY INSTRUCTIONS (MINIMUM GUIDELINES ONLY)**
- ALTERNATE APPROVED TEST METHODS PER SW846 ARE ALSO ACCEPTABLE
 - ALL REQUIRED TESTS ON COMPOSITE
 - LABORATORY IS TO SUPPLY QA/QC INFORMATION WITH ALL ANALYTICAL REPORTS
 - MAIL OR FAX ALL ANALYSIS TO THE CENTRALIZED RESIDUAL MANAGEMENT TEAM

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

03-04-0129

73174

LUFT 5 Metals

Cambria Environmental Emeryville

Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lab #
SP-1,2,3,4	04/01/2003 05:00	Soil	1

LUFT 5 Metals

Cambria Environmental Emeryville

Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Prep(S)	3060B	Test(S)	6010B
Sample ID	SP-1234	Lab ID	2003-04-0129-1
Sampled	04/01/2003 05:00	Extracted	4/7/2003 05:39
Matrix	Soil	QC Batch#	2003/04/07-04-15

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Cadmium	1.9	0.50	mg/Kg	1.00	04/07/2003 20:53	
Chromium	27	1.0	mg/Kg	1.00	04/07/2003 20:53	
Lead	6.3	1.0	mg/Kg	1.00	04/07/2003 20:53	
Nickel	34	1.0	mg/Kg	1.00	04/07/2003 20:53	
Zinc	42	1.0	mg/Kg	1.00	04/07/2003 20:53	

LUFT 5 Metals

Cambria Environmental Emeryville

Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Batch QC Report					
Project: 24506				Test: 24506	
Method: Blank		Soil		QC Batch #: 2003/04/07/0015	
ME: 2003/04/07/0415018				Date Extracted: 04/07/2003 11:39	

Compound	Conc.	RL	Unit	Analyzed	Flag
Cadmium	ND	0.50	mg/Kg	04/07/2003 20:19	
Chromium	ND	1.0	mg/Kg	04/07/2003 20:19	
Lead	ND	1.0	mg/Kg	04/07/2003 20:19	
Nickel	ND	1.0	mg/Kg	04/07/2003 20:19	
Zinc	ND	1.0	mg/Kg	04/07/2003 20:19	

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566
Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

04/08/2003 08:49

LUFT 5 Metals

Cambria Environmental Emeryville

Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Batch QC Report			
File#	3050B	04/03/03	TEST# 0010B
Laboratory Control Spike		Soil	QC Batch # 2003/04/07-04/15
LCS	2003/04/07-04/15-019	Extracted: 04/07/2003	Analyzed: 04/07/2003-20/15
LCSD	2003/04/07-04/15-020	Extracted: 04/07/2003	Analyzed: 04/07/2003-20/16

Compound	Conc. mg/Kg		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Cadmium	96.2	96.6	100.0	96.2	96.6	0.4	80-120	20		
Chromium	96.1	96.6	100.0	96.1	96.6	0.5	80-120	20		
Lead	96.4	97.2	100.0	96.4	97.2	0.8	80-120	20		
Nickel	96.6	97.1	100.0	96.6	97.1	0.5	80-120	20		
Zinc	96.6	97.0	100.0	96.6	97.0	0.4	80-120	20		

Diesel (C10-C24) by 8015m

Cambria Environmental Emeryville

Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Samples Reported

Sample Name	Date Sampled	Matrix	Lot
SP-1,2,3,4	04/01/2003 05:00	Soil	1

Diesel (C10-C24) by 8015m

Cambria Environmental Emeryville

Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Prep St:	3/30/03 EM	Test (S):	8015M
Sample ID:	SP-1234	Lab ID:	2003-04-0129
Sampled:	04/03/2003 05:00	Extracted:	04/2003 09:13
Matrix:	Soil	OC Batch:	2003/04/04-05/10

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Diesel	2.0	1.0	mg/Kg	1.00	04/09/2003 06:34	ndp
Surrogates(s)						
o-Terphenyl	80.9	60-130	%	1.00	04/09/2003 06:34	

Diesel (C10-C24) by 8015m

Cambria Environmental Emeryville

Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Background Report					
Project: 245-0548-006	Method: 8015m	Soil	Tested: 04/07/2003	GC Batch #: 2003/04/04/05/10	
MB: 2003/02/04/05/10/008				Date Expires: 04/07/2003 09:15	

Compound	Conc.	RL	Unit	Analyzed	Flag
Diesel	ND	1	mg/Kg	04/07/2003 14:47	
Surrogates(s) o-Terphenyl	88.1	60-130	%	04/07/2003 14:47	

Diesel (C10-C24) by 8015m

Cambria Environmental Emeryville

Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Batch QC Report			
Prep(s): 3550/8015M	Site(s): 8015M		
Laboratory Control Spike	Soil	QC Batch #: 2003/04/04-06/10	
LCS: 2003/04/04-06/10-003	Extracted: 04/04/2003	Analyzed: 04/04/2003 16:33	
LCSD: 2003/04/04-06/10-004	Extracted: 04/04/2003	Analyzed: 04/04/2003 17:10	

Compound	Conc. mg/Kg		Exp. Conc.	Recovery		RPD	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Diesel	36.8	37.6	41.5	88.7	90.6	2.1	60-130	25		
Surrogates(s) o-Terphenyl	18.1	18.5	20.0	90.4	92.3		60-130	0		

Diesel (C10-C24) by 8015m

Cambria Environmental Emeryville

Attn.: Stu Dalie

1144 65Th Street, Suite C

Oakland, CA 94608-1053

Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006

98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd

Dublin, CA

Legend and Notes

Result Flag

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

04/11/2003 16:03

Gas/BTEX/MTBE by 8260B

Cambria Environmental Emeryville
Attn.: Stu Dalie

1144 65Th Street, Suite C
Oakland, CA 94608-1053
Phone: (510) 420-0700 Fax: (510) 420-9170

Project: 245-0548-006
98995328

Received: 04/03/2003 11:05

Site: 11989 Dublin Rd
Dublin, CA

Legend and Notes

Report Comment

Gas/BTEX/MTBE analyzed past recommended 14-day hold time.

Result Flag

slm

Surrogate recoveries were lower than QC limits due to matrix interference.

Lab Identification (if necessary):

Address: 1220 Quaky Lane

City, State, Zip: Menlo Park, CA 94025

Shell Project Manager to be involved:

Kevin Flynn

2003-04-0129

9	8	9	9	8	3	2	10
1	3	5	2	4	3		

DATE: 4/1/03

PAGE: 1 of 2

LABORATORY COMPANY Cambria Environmental	LAB CODE CETO	SITE ADDRESS (Street and City) 11999 Dublin Rd, Dublin, CA	GLOBAL ID NO. T0600102083
ADDRESS 5900 Hollis Street, Suite A, Emeryville CA	FOR DELIVERANCE TO (Third-Party Ref: Designer)	PHONE NO. 510-420-3339	CLIENT PROJECT NO. 243-0610-005
PROBABLE CONTAMINANT (s) (See Appendix or PDF Report for) Stewart Data	STEWART DATA STW-001	EMAIL scalls@cambria-env.com	
TEL. PHONE 510-420-3339	FAX 510-420-3170	LABORATORY PROJECT NO. 243-0610-005	

TURNAROUND TIME (BUSINESS DAYS) <input checked="" type="checkbox"/> 10 DAYS <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 72 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 24 HOURS <input type="checkbox"/> LESS THAN 24 HOURS	REQUESTED ANALYSIS <input type="checkbox"/> LA - PHOENIX REPORT FORMAT <input type="checkbox"/> UST AGENCY GC/MS MTBE CONFIRMATION, IDENTIFY MONITOR BY BORING ALL SPECIAL INSTRUCTIONS OR NOTES: CHECKBOX IF EDO IS NOT NEEDED <input checked="" type="checkbox"/> TPH, BTEX and MTBE by 8260 cc: lab report to scalls@cambria-env.com * Please call composite Sample SP-1	FIELD NOTES Contains Preservative or PID Readings or Laboratory Notes 2.1°C Please call composite of 5 sample SP-1
TEMPERATURE ON RECEIPT (C) at ice		

LAB USE ONLY	Field Sample Identification		SAMPLING		MATRIX	NO. OF CONT.	TPH - Diss. Petroleum	BTEX	MTBE (MS115 - Spill Kit)	MTBE (MS115 - Spill Kit)	Cryogenics (S) by (MS115)	Ethanol (MS115)	Methanol	E10 & 12-DC A (MS115)	SFA SARA Extraction for Volatiles	VOCs (MS115) (Automated) (MS115)	TPH (MS115)	Vapor VOCs: BTEX/ MTBE (MS115)	Vapor VOCs: Full List (MS115)	Vapor TPH (MS115) (MS115)	Vapor TPH (MS115) (MS115)	Test for Disposal (4-B)	TPH - Diss. Petroleum (MS115)	MTBE (MS115) Confirmation Gas Valve	TEMPERATURE ON RECEIPT (C)	
	DATE	TIME	DATE	TIME																					TEMPERATURE ON RECEIPT (C)	
	SP-1A	4/1/03	500	500	SOIL	1		X	X	X															2.1°C	
	SP-1B	4/1/03	500	500	SOIL	1		X	X	X															2.1°C	
	SP-1C	4/1/03	500	500	SOIL	1		X	X	X															2.1°C	
	SP-1D	4/1/03	500	500	SOIL	1		X	X	X															2.1°C	
		4/1/03						X	X	X																
		4/1/03						X	X	X																
		4/1/03						X	X	X																
		4/1/03						X	X	X																
		4/1/03						X	X	X																

Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	DATE: 4/2/03	TIME: 8:00 A.M.
Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	DATE: 4/3/03	TIME: 1:05
Relinquished by: (Signature) <i>[Signature]</i>	Received by: (Signature) <i>[Signature]</i>	DATE: 4/5/03	TIME: 1:30

This information is business proprietary and confidential and must not be divulged or shared outside the company. The use of this information is strictly for the purpose of doing business with the Centralized Residual Management Team (CRMT). Upon termination of the relationship with the CRMT, this information is not to be forwarded, duplicated, shared or used for any purpose other than for the documentation of past actions.

RESIDUAL MANAGEMENT PROCEDURE

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

RESIDUAL STREAM: SOIL WITH DIESEL
VENDOR: ALLIED-BFI
LOCATION: ALLIED WASTE - MANTECA
9999 SOUTH AUSTIN ROAD
MANTECA, CA 95336

CALIFORNIA - TRANSPORTATION AND RETAIL

5 **CAM METALS = TLIC METALS**
STIC ON ALL TLIC METALS 10 TIMES STIC MAXIMUM
TLIC LEAD => 13 MG/KG REQUIRES ORGANIC LEAD ANALYSIS
IF ANY TLIC TOTAL METAL IS > OR = TO 20 TIMES TCLP REGULATORY LEVELS, TCLP IS REQUIRED

TOTAL PETROLEUM HYDROCARBONS, METHOD 418.1 OR 8015 - DIESEL

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

- LABORATORY INSTRUCTIONS (MINIMUM GUIDELINES ONLY)**
- ALTERNATE APPROVED TEST METHODS PER SW846 ARE ALSO ACCEPTABLE
 - ALL REQUIRED TESTS ON COMPOSITE
 - LABORATORY IS TO SUPPLY QA/QC INFORMATION WITH ALL ANALYTICAL REPORTS
 - MAIL OR FAX ALL ANALYSIS TO THE CENTRALIZED RESIDUAL MANAGEMENT TEAM

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

03-04-0109

73174

ATTACHMENT E

Disposal Confirmation



Hazardous Waste Hauler (Registration #2843)

8896 Elder Creek Rd. • Sacramento, CA 95828 • FAX (916) 381-1573

Disposal Confirmation

Request for Transportation Received: 05/08/03

Consultant Information

Company: Cambria Environmental
 Contact: Stu Dalie ✓
 Phone: 510 420-3339
 Fax: 510 420-9170

Site Information

Station #: N/A
 Street Address: 11989 Dublin Road
 City, State, ZIP: Dublin, CA 94568

Customer: Shell Oil Company RESA-0023-LDC
 RIPR #: 23419
 SAP # / Location: 135243
 Incident #: 98995328
 Location / WIC #: N/A
 Environmental Engineer: Karen Petryna

Material Description: Contaminated Soil
 Estimated Quantity: 1 yard
 Service Requested Date: _____

Disposal Facility: Forward
 Contact: Griffith, Joe
 Phone: 800-204-4242
 Approval #: 2961
 Date of Disposal: 05/09/03
 Actual Tonnage: .10 tons

Transporter: Manley & Sons Trucking, Inc.
 Contact: Glenell Manley
 Phone: 916 381-6864
 Fax: 916 381-1573
 Invoice: _____
 Date of Invoice: _____

ATTACHMENT F

**Blaine Tech Services Report
Second Quarter 2003**

BLAINE
TECH SERVICES, INC.



1680 ROGERS AVENUE
SAN JOSE, CA 95112-1105
(408) 573-7771 FAX
(408) 573-0555 PHONE
CONTRACTOR'S LICENSE #746684
www.blainetech.com

May 28, 2003

Karen Petryna
Shell Oil Products US
P.O. Box 7869
Burbank, CA 91510-7869

Second Quarter 2003 Groundwater Monitoring at
Shell-branded Service Station
11989 Dublin Boulevard
Dublin, CA

Monitoring performed on May 1, 2003

Groundwater Monitoring Report 030501-RH-2

This report covers the routine monitoring of groundwater wells at this Shell-branded facility. In accordance with standard procedures that conform to Regional Water Quality Control Board requirements, routine field data collection includes depth to water, total well depth, thickness of any separate immiscible layer, water column volume, calculated purge volume (if applicable), elapsed evacuation time (if applicable), total volume of water removed (if applicable), and standard water parameter instrument readings. Sample material is collected, contained, stored, and transported to the laboratory in conformance with EPA standards. Purgewater (if applicable) is, likewise, collected and transported to the Martinez Refining Company.

Basic field information is presented alongside analytical values excerpted from the laboratory report in the cumulative table of **WELL CONCENTRATIONS**. The full analytical report for the most recent samples and the field data sheets are attached to this report.

At a minimum, Blaine Tech Services, Inc. field personnel are certified on completion of a forty-hour Hazardous Materials and Emergency Response training course per 29 CFR 1910.120. Field personnel are also enrolled in annual eight-hour refresher courses.

Blaine Tech Services, Inc. conducts sampling and documentation assignments of this type as an independent third party. Our activities at this site consisted of objective data and sample collection only. No interpretation of analytical results, defining of hydrological conditions or formulation of recommendations was performed.

Please call if you have any questions.

Yours truly,

Leon Gearhart
Project Coordinator

LG/jt

attachments: Cumulative Table of WELL CONCENTRATIONS
Certified Analytical Report
Field Data Sheets

cc: Ana Friel
Cambria Environmental Technology, Inc.
P.O. Box 259
Sonoma, CA 95476-0259

WELL CONCENTRATIONS
Shell-branded Service Station
11989 Dublin Boulevard
Dublin, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	D.O. Reading (ppm)
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MW-1	07/20/1999	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	367.99	6.24	361.75	NA
MW-1	10/25/1999	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	367.99	6.36	361.63	NA
MW-1	01/27/2000	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	367.99	5.65	362.34	NA
MW-1	04/03/2000	<50.0	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	367.99	5.68	362.31	1.2/1.6
MW-1	07/27/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	367.99	5.69	362.30	1.0/1.1
MW-1	10/16/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	367.99	5.74	362.25	1.2/0.8
MW-1	01/16/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	367.99	5.71	362.28	0.59/2.8
MW-1	04/19/2001	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	367.99	5.83	362.36	1.4/1.5
MW-1	07/13/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	367.99	5.70	362.29	2.3/3.1
MW-1	08/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	367.99	5.72	362.27	NA
MW-1	10/26/2001	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	367.99	5.73	362.26	0.4/0.0
MW-1	01/11/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	367.99	5.55	362.44	5.4/2.0
MW-1	05/22/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	367.99	5.55	362.44	NA
MW-1	07/15/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	367.99	5.70	362.29	NA
MW-1	10/11/2002	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	367.99	5.87	362.12	NA
MW-1	01/17/2003	<50	NA	<0.50	<0.50	<0.50	<0.50	NA	<5.0	367.99	5.79	362.20	NA
MW-1	05/01/2003	52	NA	<0.50	<0.50	<0.50	<1.0	NA	<5.0	367.99	5.61	362.38	NA

MW-2	07/20/1999	2,600	699	55.0	<2.50	59.5	<2.50	9,370	NA	365.43	20.31	345.12	NA
MW-2	10/25/1999	4,710	761	61.1	<10.0	74.6	<10.0	22,800	NA	365.43	22.80	342.63	NA
MW-2	01/27/2000	3,820	1490	60.8	<10.0	156	<10.0	13,400	15,000a	365.43	19.17	346.26	NA
MW-2	04/03/2000	7,130	NA	184	14.9	238	18.8	34,200	28,000	365.43	19.03	346.40	1.6/1.7
MW-2	07/27/2000	311	NA	10.0	<0.500	<0.500	<0.500	280	NA	365.43	19.09	346.34	1.9/1.7
MW-2	10/16/2000	3,970	NA	123	<5.00	68.5	<5.00	14,000	15,600	365.43	23.98	341.45	0.5/0.5
MW-2	01/16/2001	5,780	NA	125	9.71	139	6.93	7,660	7,810	365.43	22.12	343.31	0.90/2.61
MW-2	04/19/2001	4,460	NA	114	7.61	115	4.87	15,200	18,400	365.43	20.95	344.48	1.6/1.5
MW-2	07/13/2001	<5,000	NA	<25	<25	110	<25	NA	15,000	365.43	22.62	342.81	2.7/1.8
MW-2	08/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	365.43	22.33	343.10	NA

WELL CONCENTRATIONS
Shell-branded Service Station
11989 Dublin Boulevard
Dublin, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	D.O. Reading (ppm)
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MW-2	10/26/2001	3,700	NA	<20	<20	66	<20	NA	9,200	365.43	22.32	343.11	0.7/0.8
MW-2	01/11/2002	<5,000	NA	<50	<50	54	<50	NA	15,000	365.43	18.72	346.71	5.1/c
MW-2	05/22/2002	<5,000	NA	53	<50	57	<50	NA	20,000	365.43	20.59	344.84	NA
MW-2	07/15/2002	<5,000	NA	<50	<50	<50	<50	NA	16,000	365.43	21.90	343.53	NA
MW-2	10/11/2002	3,600	NA	<20	<20	48	<20	NA	8,200	365.43	22.45	342.98	NA
MW-2	01/17/2003	4,700	NA	<25	<25	87	<25	NA	13,000	365.43	19.27	346.16	NA
MW-2	05/01/2003	6,000	NA	<50	<50	110	<100	NA	12,000	365.43	19.09	346.34	NA

MW-3	07/20/1999	208	177	4.69	<0.500	<0.500	<0.500	664	NA	364.97	24.23	340.74	NA
MW-3	10/25/1999	378	182	9.49	<0.500	<0.500	<0.500	1,410	NA	364.97	23.26	341.71	NA
MW-3	01/27/2000	428	100	29.4	<0.500	<0.500	<0.500	941	NA	364.97	19.53	345.44	NA
MW-3	04/03/2000	<125	NA	11.4	<1.25	<1.25	<1.25	639	NA	364.97	19.13	345.84	1.4/1.9
MW-3	07/27/2000	4,360	NA	78.4	6.95	85.8	2.61	26,600	25,200b	364.97	19.10	345.87	1.9/2.0
MW-3	10/16/2000	586	NA	21.3	<0.500	<0.500	<0.500	3,310	NA	364.97	24.11	340.86	1.1/0.8
MW-3	01/16/2001	558	NA	14.7	<0.500	<0.500	<0.500	2,210	NA	364.97	22.19	342.78	0.87/3.5
MW-3	04/19/2001	376	NA	9.08	<0.500	<0.500	<0.500	667	NA	364.97	20.96	344.01	1.7/1.4
MW-3	07/13/2001	370	NA	<2.0	<2.0	<2.0	<2.0	NA	670	364.97	22.77	342.20	3.1/4.8
MW-3	08/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	364.97	22.59	342.38	NA
MW-3	10/26/2001	<200	NA	<2.0	<2.0	<2.0	<2.0	NA	680	364.97	22.81	342.16	1.0/3.2
MW-3	01/11/2002	480	NA	<2.0	<2.0	<2.0	<2.0	NA	830	364.97	18.88	346.09	1.1/3.2
MW-3	05/22/2002	570	NA	<1.0	<1.0	<1.0	<1.0	NA	680	364.97	20.75	344.22	NA
MW-3	07/15/2002	420	NA	1.1	<1.0	<1.0	1.1	NA	520	364.97	22.09	342.88	NA
MW-3	10/11/2002	730	NA	<0.50	<0.50	<0.50	<0.50	NA	320	364.97	22.68	342.29	NA
MW-3	01/17/2003	740	NA	<0.50	<0.50	<0.50	<0.50	NA	150	364.97	19.34	345.63	NA
MW-3	05/01/2003	890	NA	<0.50	<0.50	<0.50	<1.0	NA	78	364.97	19.27	345.70	NA

MW-4	08/10/2001	NA	NA	NA	NA	NA	NA	NA	NA	364.01	25.63	338.38	NA
MW-4	08/13/2001	2,400	NA	<10	<10	<10	<10	NA	8,300	364.01	26.32	337.69	4.2/2.7

WELL CONCENTRATIONS
Shell-branded Service Station
11989 Dublin Boulevard
Dublin, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	D.O. Reading (ppm)
MW-4	10/26/2001	<2,000	NA	<20	<20	<20	<20	NA	8,600	364.01	26.02	337.99	3.1/2.8
MW-4	01/11/2002	<2,000	NA	<20	<20	<20	<20	NA	5,100	364.01	22.25	341.76	7.9/3.0
MW-4	05/22/2002	<500	NA	<5.0	<5.0	<5.0	<5.0	NA	3,200	364.01	23.96	340.05	NA
MW-4	07/15/2002	<2,500	NA	<20	<20	<20	<20	NA	7,000	363.97	25.18	338.79	NA
MW-4	10/11/2002	1,900	NA	<5.0	<5.0	<5.0	<5.0	NA	2,900	363.97	25.91	338.06	NA
MW-4	01/17/2003	580	NA	<2.5	<2.5	<2.5	<2.5	NA	59	363.97	22.38	341.59	NA
MW-4	05/01/2003	770	NA	<5.0	<5.0	<5.0	<10	NA	73	363.97	21.92	342.05	NA

Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to July 13, 2001, analyzed by EPA Method 8015.

TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015.

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to July 13, 2001, analyzed by EPA Method 8020.

MTBE = Methyl-tertiary-butyl ether by EPA Method 8020.

TOC = Top of Casing Elevation

GW = Groundwater

DO = Dissolved Oxygen

ug/L = Parts per billion

ppm = Parts per million

MSL = Mean sea level

ft = Feet

<n = Below detection limit

n/n = Pre-purge/Post-purge DO Readings

NA = Not applicable

WELL CONCENTRATIONS
Shell-branded Service Station
11989 Dublin Boulevard
Dublin, CA

Well ID	Date	TPPH (ug/L)	TEPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	D.O. Reading (ppm)
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Notes:

a = Sample was analyzed outside the EPA recommended holding time.

b = Concentration is an estimate.

c = D.O. meter malfunctioning.

Wells surveyed June 21, 1999, by Virgil Chavez Land Surveying of Vallejo, California.

Wells surveyed August 23, 2001, and February 18, 2002, by Virgil Chavez Land Surveying of Vallejo, California.

Blaine Tech Services, Inc.

May 15, 2003

1680 Rogers Avenue
San Jose, CA 95112-1105
Attn.: Leon Gearhart
Project#: 030501-RH1
Project: 98995328
Site: 11989 Dublin Blvd., Dublin

Dear Mr. Gearhart,

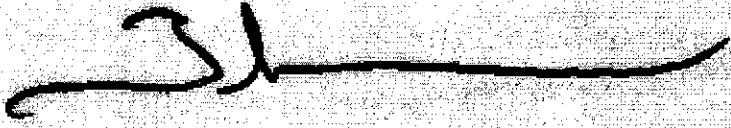
Attached is our report for your samples received on 05/01/2003 15:20
This report has been reviewed and approved for release. Reproduction of this report
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after
06/15/2003 unless you have requested otherwise.

We appreciate the opportunity to be of service to you. If you have any questions,
please call me at (925) 484-1919.

You can also contact me via email. My email address is: tgranicher@stl-inc.com

Sincerely,



Tod Granicher
Project Manager

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 030501-RH1

98995328

Received: 05/01/2003 15:20

Site: 11989 Dublin Blvd., Dublin

Samples Reported

Sample Name	Date Sample	Matrix	Lab #
MW-2	05/01/2003 13:40	Water	2
MW-3	05/01/2003 14:00	Water	3
MW-4	05/01/2003 12:34	Water	4

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 030501-RH1
98995328

Received: 05/01/2003 15:20

Site: 11989 Dublin Blvd., Dublin

Prep(s):	5030B	Matrix:	8260B-FAP
Sample ID:	MW-2	Lab ID:	2003-05-0043
Sample:	05/01/2003 15:20	Extraction:	5/12/2003 19:51
Matrix:	Water	Client #:	2003/05/12-1532

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	6000	5000	ug/L	100.00	05/12/2003 19:51	g
Benzene	ND	50	ug/L	100.00	05/12/2003 19:51	
Toluene	ND	50	ug/L	100.00	05/12/2003 19:51	
Ethylbenzene	110	50	ug/L	100.00	05/12/2003 19:51	
Total xylenes	ND	100	ug/L	100.00	05/12/2003 19:51	
tert-Butyl alcohol (TBA)	6700	500	ug/L	100.00	05/12/2003 19:51	
Methyl tert-butyl ether (MTBE)	12000	50	ug/L	100.00	05/12/2003 19:51	
Di-isopropyl Ether (DIPE)	ND	200	ug/L	100.00	05/12/2003 19:51	
Ethyl tert-butyl ether (ETBE)	ND	200	ug/L	100.00	05/12/2003 19:51	
tert-Amyl methyl ether (TAME)	ND	200	ug/L	100.00	05/12/2003 19:51	
Surrogates(s)						
1,2-Dichloroethane-d4	101.2	76-114	%	100.00	05/12/2003 19:51	
Toluene-d8	98.1	88-110	%	100.00	05/12/2003 19:51	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 030501-RH1
98995328

Received: 05/01/2003 15:20

Site: 11989 Dublin Blvd., Dublin

Prep(s): 5000B	Lab ID: 8260B-AB
Sample ID: W003	Lab ID: 2003-05-0043-03
Sampled: 05/01/2003 14:00	Extracted: 05/12/2003 20:14
Matrix: Water	QC Batch: 2003-05-12-1562

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	890	50	ug/L	1.00	05/12/2003 20:14	g
Benzene	ND	0.50	ug/L	1.00	05/12/2003 20:14	
Toluene	ND	0.50	ug/L	1.00	05/12/2003 20:14	
Ethylbenzene	ND	0.50	ug/L	1.00	05/12/2003 20:14	
Total xylenes	ND	1.0	ug/L	1.00	05/12/2003 20:14	
tert-Butyl alcohol (TBA)	300	5.0	ug/L	1.00	05/12/2003 20:14	
Methyl tert-butyl ether (MTBE)	78	0.50	ug/L	1.00	05/12/2003 20:14	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	1.00	05/12/2003 20:14	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	1.00	05/12/2003 20:14	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	1.00	05/12/2003 20:14	
Surrogates(s)						
1,2-Dichloroethane-d4	96.3	76-114	%	1.00	05/12/2003 20:14	
Toluene-d8	99.2	88-110	%	1.00	05/12/2003 20:14	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 030501-RH1
98995328

Received: 05/01/2003 15:20

Site: 11989 Dublin Blvd., Dublin

Prep(s): 8260B Test(s): 8260B-AL
 Sample ID: MW-4 Lab ID: 2003-05-0043-1
 Sample: 05/01/2003 12:32 Extracted: 05/12/2003 20:36
 Matrix: Water GC Batch: 2003/05/12/1602
 Analysis Flags: (See Legend and Note Section)

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	770	500	ug/L	10.00	05/12/2003 20:36	g
Benzene	ND	5.0	ug/L	10.00	05/12/2003 20:36	
Toluene	ND	5.0	ug/L	10.00	05/12/2003 20:36	
Ethylbenzene	ND	5.0	ug/L	10.00	05/12/2003 20:36	
Total xylenes	ND	10	ug/L	10.00	05/12/2003 20:36	
tert-Butyl alcohol (TBA)	4300	50	ug/L	10.00	05/12/2003 20:36	
Methyl tert-butyl ether (MTBE)	73	5.0	ug/L	10.00	05/12/2003 20:36	
Di-isopropyl Ether (DIPE)	ND	20	ug/L	10.00	05/12/2003 20:36	
Ethyl tert-butyl ether (ETBE)	ND	20	ug/L	10.00	05/12/2003 20:36	
tert-Amyl methyl ether (TAME)	ND	20	ug/L	10.00	05/12/2003 20:36	
Surrogates(s)						
1,2-Dichloroethane-d4	93.2	76-114	%	10.00	05/12/2003 20:36	
Toluene-d8	97.8	88-110	%	10.00	05/12/2003 20:36	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 030501-RH1
98995328

Received: 05/01/2003 15:20

Site: 11989 Dublin Blvd., Dublin

Batch QC Report			
Prep(s): 50305	Method: Blank	Wavelength: 254	Test(s): 8260B AB
MB: 2003/05/12 11:03:04			QC Batch: 2003/05/12 08:02
			Date Expired: 05/12/2003 17:41

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	05/12/2003 12:41	
Benzene	ND	0.5	ug/L	05/12/2003 12:41	
Toluene	ND	0.5	ug/L	05/12/2003 12:41	
Ethylbenzene	ND	0.5	ug/L	05/12/2003 12:41	
Total xylenes	ND	1.0	ug/L	05/12/2003 12:41	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	05/12/2003 12:41	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	05/12/2003 12:41	
Di-isopropyl Ether (DIPE)	ND	2.0	ug/L	05/12/2003 12:41	
Ethyl tert-butyl ether (ETBE)	ND	2.0	ug/L	05/12/2003 12:41	
tert-Amyl methyl ether (TAME)	ND	2.0	ug/L	05/12/2003 12:41	
Surrogates(s)					
1,2-Dichloroethane-d4	95.2	76-130	%	05/12/2003 12:41	
Toluene-d8	97.4	78-115	%	05/12/2003 12:41	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 030501-RH1
98995328

Received: 05/01/2003 15:20

Site: 11989 Dublin Blvd., Dublin

Batch: 03-Rev01		
Project: 030501-RH1	Site: 11989 Dublin Blvd., Dublin	GC Batch #: 2003-05-12-15162
Laboratory Control Spike	Water	GC Batch #: 2003-05-12-15162
LCS# 2003/05/12-15162-056	Extracted: 05/02/2003	Analyzed: 05/02/2003 11:05
LCS# 2003/05/12-15162-019	Extracted: 05/02/2003	Analyzed: 05/02/2003 12:49

Compound	Conc. ug/L		Exp.Conc.	Recovery		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	26.1	27.0	25	104.4	108.0	3.4	69-129	20		
Toluene	24.9	25.5	25	99.6	102.0	2.4	70-130	20		
Methyl tert-butyl ether (MTBE)	29.1	27.7	25	116.4	110.8	4.9	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	489	466	500	97.8	93.2		76-130			
Toluene-d8	485	485	500	97.0	97.0		78-115			

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 030501-RH1
98995328

Received: 05/01/2003 15:20

Site: 11989 Dublin Blvd., Dublin

Legend and Notes

Analysis Flag

o

Reporting limits were raised due to high level of analyte present in the sample.

Result Flag

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard.

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 030501-RH1

98995328

Received: 05/01/2003 15:20

Site: 11989 Dublin Blvd., Dublin

Samples Reported

Sample Name	Date Sampled	Matrix	Lot
MW-1	05/01/2003 13:30	Water	1

Severn Trent Laboratories, Inc.

STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

Tel 925 484 1919 Fax 925 484 1096 * www.stl-inc.com * CA DHS ELAP# 2496

05/13/2003 13:12

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 030501-RH1
98995328

Received: 05/01/2003 15:20

Site: 11989 Dublin Blvd., Dublin

Client:	8260B	Test(s):	8260B AB
Sample ID:	030501-RH1	Lab ID:	2003-05-0043
Sample:	05/01/2003 13:35	Extracted:	05/12/2003 19:29
Matrix:	Water	QC Batch#:	2003/05/12/03

Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	52	50	ug/L	1.00	05/12/2003 19:29	g
Benzene	ND	0.50	ug/L	1.00	05/12/2003 19:29	
Toluene	ND	0.50	ug/L	1.00	05/12/2003 19:29	
Ethylbenzene	ND	0.50	ug/L	1.00	05/12/2003 19:29	
Total xylenes	ND	1.0	ug/L	1.00	05/12/2003 19:29	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	1.00	05/12/2003 19:29	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	1.00	05/12/2003 19:29	
Surrogates(s)						
1,2-Dichloroethane-d4	95.9	76-114	%	1.00	05/12/2003 19:29	
Toluene-d8	96.6	88-110	%	1.00	05/12/2003 19:29	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 030501-RH1
98995328

Received: 05/01/2003 15:20

Site: 11989 Dublin Blvd., Dublin

Batch QC Report					
Project: 030501-RH1	Client: Blaine Tech Services, Inc.	Sample: 98995328	Matrix: Gas	GC Batch: 2003050113062	GC Batch: 2003050113062
Method: Blank	Method: Blank	Method: Blank	Method: Blank	Date Analyzed: 05/12/2003 12:41	Date Analyzed: 05/12/2003 12:41

Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	05/12/2003 12:41	
Benzene	ND	0.5	ug/L	05/12/2003 12:41	
Toluene	ND	0.5	ug/L	05/12/2003 12:41	
Ethylbenzene	ND	0.5	ug/L	05/12/2003 12:41	
Total xylenes	ND	1.0	ug/L	05/12/2003 12:41	
tert-Butyl alcohol (TBA)	ND	5.0	ug/L	05/12/2003 12:41	
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	05/12/2003 12:41	
Surrogates(s)					
1,2-Dichloroethane-d4	95.2	76-130	%	05/12/2003 12:41	
Toluene-d8	97.4	78-115	%	05/12/2003 12:41	

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 030501-RH1
98995328

Received: 05/01/2003 15:20

Site: 11989 Dublin Blvd., Dublin

Batch QC Report			
Prep. S#	030501	Lab. S#	030501
Laboratory Control Spike		Water	
QC Batch #	2003-05-12-C62		
LCS	2003/05/12 10:62-056	Extracted	05/12/2003
LCSD	2003/05/12 10:62-019	Extracted	05/12/2003
		Analyzed	05/12/2003

Compound	Conc. ug/L		Exp. Conc.	Recovery		RPD %	Ctrl. Limits %		Flags	
	LCS	LCSD		LCS	LCSD		Rec.	RPD	LCS	LCSD
Benzene	26.1	27.0	25	104.4	108.0	3.4	69-129	20		
Toluene	24.9	25.5	25	99.6	102.0	2.4	70-130	20		
Methyl tert-butyl ether (MTBE)	29.1	27.7	25	116.4	110.8	4.9	65-165	20		
Surrogates(s)										
1,2-Dichloroethane-d4	489	466	500	97.8	93.2		76-130			
Toluene-d8	485	485	500	97.0	97.0		78-115			

Gas/BTEX Fuel Oxygenates by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue
San Jose, CA 95112-1105
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 030501-RH1
98995328

Received: 05/01/2003 15:20

Site: 11989 Dublin Blvd., Dublin



Result Flag

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard.

Lab Identification (if necessary):

Address:

City, State, Zip:

Shall Project Manager to be involved:
 GENERAL ENGINEERING
 PHYSICAL SERVICES
 CHEMISTRY
 Karen Petryna
2003-05-0043

INCIDENT NUMBER (SEE ONLY)							
9	3	9	9	5	3	2	8
PROJECT NUMBER (SEE ONLY)							

DATE: 5/1/03
 PAGE: 1 of 1

CLIENT COMPANY: Blaine Tech Services	LAB CODE: BT35	SITE ADDRESS (Street and City): 11989 Dublin Boulevard, Dublin	GLOBAL ID: T0600102083
ADDRESS: 1680 Rogers Avenue, San Jose, CA 95112	CONTACT PERSON (Name and Title): Anni Kraml	PHONE NO.:	310-420-3335
PROJECT CONTACT (Name and PDF Report No.): Leon Gashart	EMAIL: lgashart@blainetech.com	PROJECT NO.:	ShellOaklandEDF@cambridge-env.com
TELEPHONE: 408-573-0885	FAX: 408-573-7771	LAB USE ONLY:	COMPLIANT PROJECT NO.:
TURNAROUND TIME (BUSINESS DAYS): <input checked="" type="checkbox"/> 18 DAYS <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 72 HOURS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> 24 HOURS <input type="checkbox"/> LESS THAN 24 HOURS		REQUESTED ANALYSIS:	
<input type="checkbox"/> LA - AGENCY REPORT FORMAT <input type="checkbox"/> USE AGENCY:		FIELD NOTES: Container/Preservation or PID Readings or Laboratory Notes: <u>2.0°C</u> TEMPERATURE ON RECEIPT OF	
SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDO IS NOT NEEDED <input type="checkbox"/>			

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	NO. OF CONT.	TPH (see Appendix)	DOXY	VOCs (see Appendix)	MTBE (see Appendix)	PCE (see Appendix)	TCE (see Appendix)	DCE (see Appendix)	Styrene (see Appendix)	Ethylbenzene	Toluene	Xylenes (see Appendix)	BTEX (see Appendix)	TPH (see Appendix)	Other (see Appendix)	
		DATE	TIME																	
	TR00-1	5/1/03	1330	1600	3	X	X													
	TR00-2	↓	1340	↓	↓	X	X													
	TR00-3	↓	1400	↓	↓	X	X													
	TR00-4	↓	1234	↓	↓	X	X													

Requested by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: <u>5/1/03</u>	Time: <u>1520</u>
Requested by (Signature): <i>[Signature]</i>	Received by (Signature): <i>[Signature]</i>	Date: <u>5-1-03</u>	Time: <u>1650</u>

WELLHEAD INSPECTION CHECKLIST

Page 1 of 1

Client Shell Date 5/1/03

Site Address 11989 Dublin Blvd, Dublin

Job Number 030501-EHZ Technician Ryan H

Well ID	Well Inspected - No Corrective Action Required	Water Bailed From Wellbox	Wellbox Components Cleaned	Cap Replaced	Lock Replaced	Other Action Taken (explain below)	Well Not Inspected (explain below)	Repair Order Submitted
<u>mw-1</u>				X	X			
<u>mw-2</u>	X							
<u>mw-3</u>	X							---
<u>mw-4</u>								X

NOTES: mw-4 ; needs new cap + lock

WELL GAUGING DATA

Project # 030501-RHZ Date 5/1/03 Client Shell

Site 11989 Dublin Blvd, Dublin

Well ID	Well Size (in.)	Sheen / Odor	Depth to Immiscible Liquid (ft.)	Thickness of Immiscible Liquid (ft.)	Volume of Immiscibles Removed (ml)	Depth to water (ft.)	Depth to well bottom (ft.)	Survey Point: TOB or TOC
MW-1	4					5.61	19.80	↓
MW-2	4					19.09	32.57	
MW-3	4					19.27	32.75	
MW-4	2					21.92	35.03	

SHELL WELL MONITORING DATA SHEET

3TS #: 030901 - RHZ	Site: 11989 Dublin Blvd, Dublin
Sampler: Ryan H	Date: 5/1/03
Well I.D.: mw-1	Well Diameter: 2 3 (4) 6 8
Total Well Depth (TD): 19.80	Depth to Water (DTW): 5.61
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: (PVC) Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 3.45	

Purge Method: <input type="checkbox"/> Bailor <input type="checkbox"/> Disposable Bailor <input type="checkbox"/> Middleburg <input checked="" type="checkbox"/> Electric Submersible	Water: <input type="checkbox"/> Peristaltic <input type="checkbox"/> Extraction Pump <input type="checkbox"/> Other: _____	Sampling Method: <input checked="" type="checkbox"/> Bailor <input type="checkbox"/> Disposable Bailor <input type="checkbox"/> Extraction Port <input type="checkbox"/> Dedicated Tubing Other: _____
--	--	--

$\frac{9.2 \text{ (Gals.)} \times 3}{\text{Specified Volumes}} = \frac{27.6 \text{ Gals.}}{\text{Calculated Volume}}$	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="font-size: small;">Well Diameter</th> <th style="font-size: small;">Multiplier</th> <th style="font-size: small;">Well Diameter</th> <th style="font-size: small;">Multiplier</th> </tr> </thead> <tbody> <tr> <td style="font-size: small;">1"</td> <td style="font-size: small;">0.04</td> <td style="font-size: small;">4"</td> <td style="font-size: small;">0.65</td> </tr> <tr> <td style="font-size: small;">2"</td> <td style="font-size: small;">0.16</td> <td style="font-size: small;">6"</td> <td style="font-size: small;">1.47</td> </tr> <tr> <td style="font-size: small;">3"</td> <td style="font-size: small;">0.37</td> <td style="font-size: small;">Other</td> <td style="font-size: small;">radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or μS)	Turbidity (NTUs)	Gals. Removed	Observations
1251	70.4	6.8	1129	82	9.2	turbid
1253	70.0	6.8	1137	38	18.4	clear
1255	70.0	6.8	1140	130	27.6	turbid, DTW = 16.50

Did well dewater? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Gallons actually evacuated: 27.6
Sampling Date: 5/1/03 Sampling Time: 1330 Depth to Water: 5.20	
Sample I.D.: mw-1	Laboratory: Kiff SPL Other: <u>SYL</u>
Analyzed for: <u>TPH-G</u> <u>BTEX</u> <u>MTBE</u> TPH-D Other: _____	
SB I.D. (if applicable): _____	Duplicate I.D. (if applicable): _____
Analyzed for: TPH-G BTEX MTBE TPH-D Other: _____	
D.O. (if req'd):	Pre-purge: <input type="checkbox"/> mg/L Post-purge: <input type="checkbox"/> mg/L
D.R.P. (if req'd):	Pre-purge: <input type="checkbox"/> mV Post-purge: <input type="checkbox"/> mV

SHELL WELL MONITORING DATA SHEET

WTS #: 030901-RH2	Site: 11989 Dublin Blvd, Dublin
Sampler: Ryan H	Date: 5/1/03
Well I.D.: mw-2	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 32.57	Depth to Water (DTW): 19.89
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 21.79	

Purge Method: Bailer	Water	Sampling Method: <u>Bailer</u>
Disposable Bailer	Peristaltic	Disposable Bailer
Middleburg	Extraction Pump	Extraction Port
<u>Electric Submersible</u>	Other	Dedicated Tubing
		Other:

$\frac{8.8}{3} \text{ (Gals.)} \times 3 = 26.4 \text{ Gals.}$	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
Well Diameter	Multiplier	Well Diameter	Multiplier														
1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														
Case Volume	Specified Volume	Calculated Volume															

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
1312	69.6	6.8	1140	57	8.8	clear
1314	69.9	6.8	1113	22	17.6	"
1316	69.9	6.8	1108	19	26.4	" DTW = 26.85

Did well dewater? Yes No Gallons actually evacuated: 26.4

Sampling Date: 5/1/03 Sampling Time: 1340 Depth to Water: 19.90

Sample I.D.: mw-2 Laboratory: Kiff SPL Other: 572

Analyzed for: TPH-G BTEX MTBE TPH-D Other: analyzed by 8260

IB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

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

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

SHELL WELL MONITORING DATA SHEET

BTS #: 030901 - RH2	Site: 11989 Dublin Blvd, Dublin
Sampler: Ryan H	Date: 5/1/03
Well I.D.: mw-3	Well Diameter: 2 3 <u>4</u> 6 8
Total Well Depth (TD): 32.75	Depth to Water (DTW): 19.27
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>PVC</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 21.97	

Sample Method: Boiler Waterm Sampling Method: Boiler
 Disposable Bailer Peristaltic Disposable Bailer
 Middleburg Extraction Pump Extraction Port
 Electric Submersible Other _____ Dedicated Tubing

Other: _____

<u>8.8</u> (Gals.) X <u>3</u> = <u>26.4</u> Gals.	
Case Volume	Specified Volumes Calculated Volume

Well Diameter	Multplier	Well Diameter	Multplier
1"	0.04	4"	0.65
2"	0.16	6"	1.47
3"	0.37	Other	radius ² * 0.163

Time	Temp (°F)	pH	Cond (mS or <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
1301	69.2	6.8	1205	36	8.8	clear
1303	68.8	6.8	1209	16	17.6	"
1305	68.9	6.8	1214	22	26.4	" DTW = 30.30

Did well dewater? Yes No Gallons actually evacuated: 26.4

Sampling Date: 5/1/03 Sampling Time: 1400 Depth to Water: 21.90

Sample I.D.: mw-3 Laboratory: Kiff SPL Other: 57L

Analyzed for: TPH-G BTEX MTBE TPH-D Other: oxygenates by S260

SB I.D. (if applicable): @ _____ Time Duplicate I.D. (if applicable): _____

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

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

SHELL WELL MONITORING DATA SHEET

PTS #: <u>030901-RH2</u>	Site: <u>11989 Dublin Blvd, Dublin</u>
Sampler: <u>Ryan H</u>	Date: <u>5/1/03</u>
Well I.D.: <u>mw-4</u>	Well Diameter: <u>(2)</u> 3 4 6 8 _____
Total Well Depth (TD): <u>35.03</u>	Depth to Water (DTW): <u>21.52</u>
Depth to Free Product:	Thickness of Free Product (feet):
Referenced to: <u>(PVC)</u> Grade	D.O. Meter (if req'd): YSI HACH
DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: <u>24.54</u>	

Purge Method: <u>Bailer</u> Disposable Bailer Middleburg Electric Submersible	Water Peristaltic Extraction Pump Other _____	Sampling Method: <u>Bailer</u> Disposable Bailer Extraction Port Dedicated Tubing Other: _____
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$\frac{2.1 \text{ (Gals.)} \times 3}{\text{Specified Volumes}} = \frac{6.3}{\text{Calculated Volume}} \text{ Gals.}$	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Well Diameter</th> <th>Multiplier</th> <th>Well Diameter</th> <th>Multiplier</th> </tr> </thead> <tbody> <tr> <td>1"</td> <td>0.04</td> <td>4"</td> <td>0.65</td> </tr> <tr> <td>2"</td> <td>0.16</td> <td>6"</td> <td>1.47</td> </tr> <tr> <td>3"</td> <td>0.37</td> <td>Other</td> <td>radius² * 0.163</td> </tr> </tbody> </table>	Well Diameter	Multiplier	Well Diameter	Multiplier	1"	0.04	4"	0.65	2"	0.16	6"	1.47	3"	0.37	Other	radius ² * 0.163
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1"	0.04	4"	0.65														
2"	0.16	6"	1.47														
3"	0.37	Other	radius ² * 0.163														

Time	Temp (°F)	pH	Cond. (mS or <u>µS</u>)	Turbidity (NTUs)	Gals. Removed	Observations
1225	68.7	6.8	1032	>200	2.25	cloudy
1227	68.9	6.8	1017	3200	4.25	"
1229	68.8	6.8	1011	>200	6.5	"

Did well dewater? Yes No Gallons actually evacuated: 6.5

Sampling Date: 5/1/03 Sampling Time: 1234 Depth to Water: 22.70

Sample I.D.: mw-4 Laboratory: Kiff SPL Other: (57L)

Analyzed for: (TPH-G) (BTEX) MTBB TPH-D Other: oxygenates by 8260

IB I.D. (if applicable): @ Time Duplicate I.D. (if applicable):

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

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