



RO121
Shell Oil Products US

July 23, 2004

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

Alameda County
JUL 27 2004
Environmental Health

Subject: Shell-branded Service Station
999 San Pablo Avenue
Albany, California

Dear Mr. Hwang:

Attached for your review and comment is a copy of the *Site Investigation Report/Second Quarter 2004 Groundwater Monitoring Report* for the above referenced site. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

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

Sincerely,

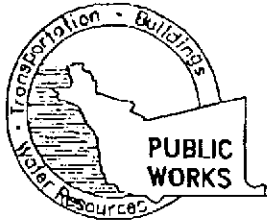
Shell Oil Products US

Karen Petryna

Karen Petryna
Sr. Environmental Engineer

Appendix A

Permits



ALAMEDA COUNTY PUBLIC WORKS AGENCY

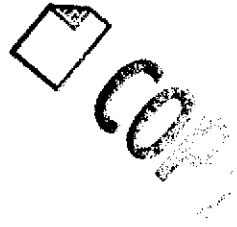
WATER RESOURCES SECTION

399 ELMHURST ST. HAYWARD CA. 94544-1395

PHONE (510) 670-6633 James Yoo

FAX (510) 782-1939

APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS
DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION



DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT

999 San Pablo Avenue, Albany, CA

PERMIT NUMBER W04-0365

WELL NUMBER _____

APN _____

CLIENT

Name Shell Oil Products US
Address 2094 S. Smith Hill Drive Phone 559-645-9306
City Carson, CA Zip 90810

APPLICANT

Name Scott Lewis - Cambria Environmental Technology, Inc
Address 270 Perkins Street Fax 707-935-6649
City Sonoma, CA Phone 707-933-2367
Zip 95476

TYPE OF PROJECT

Well Construction	<input type="checkbox"/>	Geotechnical Investigation	<input type="checkbox"/>
Cathodic Protection	<input type="checkbox"/>	General	<input type="checkbox"/>
Water Supply	<input type="checkbox"/>	Contamination	<input type="checkbox"/>
Monitoring	<input checked="" type="checkbox"/>	Well Destruction	<input type="checkbox"/>

PROPOSED WATER SUPPLY WELL USE

New Domestic	<input type="checkbox"/>	Replacement Domestic	<input type="checkbox"/>
Municipal	<input type="checkbox"/>	Irrigation	<input type="checkbox"/>
Industrial	<input type="checkbox"/>	Other	<input type="checkbox"/>

DRILLING METHOD:

Mud Rotary	<input type="checkbox"/>	Air Rotary	<input type="checkbox"/>	Auger	<input checked="" type="checkbox"/>
Cable	<input type="checkbox"/>	Other	<input type="checkbox"/>		

DRILLER'S NAME Gregg Drilling & Testing, Inc.

DRILLER'S LICENSE NO. 485165

WELL PROJECTS

Drill Hole Diameter	<u>10</u> in.	Maximum	
Casing Diameter	<u>4</u> in.	Depth	<u>15</u> ft.
Surface Seal Depth	<u>4</u> ft.	Owner's Well Number	<u>5-8</u>

GEOTECHNICAL PROJECTS

Number of Borings	_____	Maximum	
Hole Diameter	_____ in.	Depth	_____ ft.

STARTING DATE 4-9-04

COMPLETION DATE 4-9-04

APPROVED _____

DATE 4-6-04

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

APPLICANT'S SIGNATURE Scott Lewis DATE 3-12-04

PLEASE PRINT NAME Scott Lewis

Rev.9-18-02

PERMIT CONDITIONS

Circled Permit Requirements Apply

A. GENERAL

1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Report.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS

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

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

D. GEOTECHNICAL

Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.

E. CATHODIC

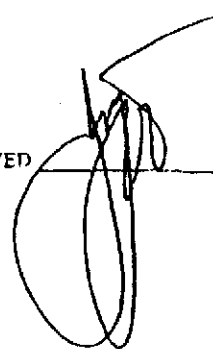
Fill hole anode zone with concrete placed by tremie.

F. WELL DESTRUCTION

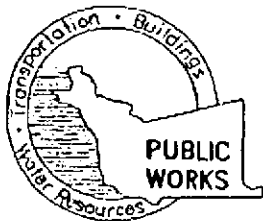
Send a map of work site. A separate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS - MW# 7

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.







ALAMEDA COUNTY PUBLIC WORKS AGENCY

COPY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-6633 James Yoo
FAX (510) 782-1939

APPLICANTS: PLEASE ATTACH A SITE MAP FOR ALL DRILLING PERMIT APPLICATIONS
DESTRUCTION OF WELLS OVER 45 FEET REQUIRES A SEPARATE PERMIT APPLICATION

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT

799 San Pablo Avenue, Albany, CA

PERMIT NUMBER W04-0366

WELL NUMBER _____

APN _____

CLIENT

Name Shell Oil Products US
Address 2994 S. South Willingbrough Phone 557-645-9306
City Carson, CA Zip 90810

APPLICANT

Name Scott Lewis - Cambria Environmental Technology, Inc
Address 170 Perkins Street Fax 707-935-6699
City Sanoma, CA Phone 707-933-2369
Zip 95474

TYPE OF PROJECT

Well Construction Geotechnical Investigation
Cathodic Protection General
Water Supply Contamination
Monitoring Well Destruction

PROPOSED WATER SUPPLY WELL USE

New Domestic Replacement Domestic
Municipal Irrigation
Industrial Other _____

DRILLING METHOD:

Mud Rotary Air Rotary Auger
Cable Other

DRILLER'S NAME Geogy Drilling & Testing, Inc.

DRILLER'S LICENSE NO. 485165

WELL PROJECTS

Drill Hole Diameter 8 in. Maximum _____
Casing Diameter 2 in. Depth 15 ft.
Surface Seal Depth 4 ft. Owner's Well Number 5-9

GEOTECHNICAL PROJECTS

Number of Borings _____ Maximum _____
Hole Diameter _____ in. Depth _____ ft.

STARTING DATE 4-9-04

COMPLETION DATE 4-9-04

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

APPLICANT'S SIGNATURE Scott Lewis DATE 3-12-04

PLEASE PRINT NAME Scott Lewis Rev.9-18-02

PERMIT CONDITIONS

Circled Permit Requirements Apply

- A. GENERAL**
 1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
 2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Report.
 3. Permit is void if project not begun within 90 days of approval date.
- B. WATER SUPPLY WELLS**
 1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
 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.
- C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS**
 1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
 2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
- D. GEOTECHNICAL**
Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.
- E. CATHODIC**
Fill hole anode zone with concrete placed by tremie.
- F. WELL DESTRUCTION**
Send a map of work site. A separate permit is required for wells deeper than 45 feet.

SPECIAL CONDITIONS MWHI

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

APPROVED [Signature] DATE 4-6-04



ENCROACHMENT PERMIT

TR-0120

Permit No. 0404-6SV0510	
Dist/Co/Rte/PM 04-Ala-123-4.41	
Date April 5, 2004	
Fee Paid \$328.00	Deposit \$
Performance Bond Amount (1) \$2,000.00	Payment Bond Amount (2)
Bond Company TRAVELERS CASUALTY & SURETY COMPANY	
Bond Number (1) 104256386	Bond Number (2)

COPY

In compliance with (Check one):

- Your application of March 25, 2004
- Utility Notice No. _____ of _____
- Agreement No. _____ of _____
- R/W Contract No. _____ of _____

TO: SHELL OIL PRODUCTS, CO.
 c/o Cambria Environmental, Inc.
 270 Perkins Street
 Sonoma, CA 95476
 Attn: Scott Lewis
 Phone: (707) 933-2369 _____, PERMITTEE

and subject to the following, **PERMISSION IS HEREBY GRANTED** to:

Install one monitoring well on State Highway 04-Ala-123, Post Mile 4.41, at 999 San Pablo Avenue, in the City of Albany.

A minimum of one week prior to start of work under this permit, notice shall be given to, and approval of construction details, operations, public safety, and traffic control shall be obtained from State Representative N. Freitag, 600 Lewelling Blvd., San Leandro, 94579, 510-614 5951, weekdays, between 7:30 AM and 4:00 PM.

All permitted work requires the Permittee to apply for and obtain a work authorization number prior to start of work. See the attached "Encroachment Permit Project Work Scheduling Procedures" and the attached "Permit Project Work Scheduling Request Form". Additional time beyond the minimum seven-day advanced notice required in the above paragraph may be required for obtaining the traffic control approval.

The following attachments are also included as part of this permit (Check applicable):

- Yes No General Provisions
- Yes No Utility Maintenance Provisions
- Yes No Special Provisions
- Yes No A Cal-OSHA permit required prior to beginning work:

In addition to fee, the permittee will be billed actual costs for:

- Yes No Review
- Yes No Inspection
- Yes ----- Field Work

(If any Caltrans effort expended)

Yes No The information in the environmental documentation has been reviewed and considered prior to approval of this permit.

This permit is void unless the work is completed before April 30, 2006

This permit is to be strictly construed and no other work other than specifically mentioned is hereby authorized. No project work shall be commenced until all other necessary permits and environmental clearances have been obtained.

APB
 CC: LMc(2), N.Freitag,
 Design Ala I-J.Ma, Insurance Co.
 DTM-B.Loo, J.Richardson

APPROVED:
BIJAN SARTIPI, District Director
 BY: *Robertson Zereh*
S. S. NOZZARI, District Permit Engineer

Aefing for

1000

1000

Appendix B
Exploratory Boring Logs



Cambria Environmental Technology, Inc.
 270 Perkins Street
 Sonoma, California 95476
 Telephone: (707) 935-4850
 Fax: (707) 935-6649

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	S-8
JOB/SITE NAME	Shell-branded Service Station	DRILLING STARTED	06-May-04
LOCATION	999 San Pablo Avenue, Albany, California	DRILLING COMPLETED	06-May-04
PROJECT NUMBER	0366	WELL DEVELOPMENT DATE (YIELD)	10-May-04 (13 gallon)
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	40.91 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	40.52 ft above msl
BORING DIAMETER	10"	SCREENED INTERVAL	6 to 16 fbg
LOGGED BY	S. Lewis	DEPTH TO WATER (First Encountered)	9.5 ft (06-May-04)
REVIEWED BY	A. Friel, RG 6452	DEPTH TO WATER (Static)	11.0 ft (12-May-04)
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (ftg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (ftg)	WELL DIAGRAM
				0.6			CONCRETE	0.6	<p>Portland Type I/II Bentonite Seal Monterey Sand #2/12 4"-diam., 0.020" Slotted Schedule 40 PVC Bottom of Boring @ 16 ft</p>
				1.5	GM		Silty Sandy Gravel (GM) ; very dark grayish brown (10YR 3/2); moist; 30% silt, 30% fine to coarse sand; 40% fine to coarse gravel. Clayey SILT (ML) ; black (10YR 2/1); moist; 20% clay, 80% silt; low plasticity.		
0		S-8-5		5	ML		@ 5' - greenish gray (10Y 5/1).		
200				7.0	SM		Silty SAND (SM) ; greenish gray (10Y 5/1); moist; 5% clay, 30% silt, 65% fine sand.		
174		S-8-9.5		8.5	GM		Silty Sandy GRAVEL (GM) ; greenish gray (10Y 5/1); moist; 20% silt, 35% fine to coarse sand, 45% fine to coarse gravel.		
				9.5	SM		Silty Gravelly SAND (SM) ; greenish gray (10Y 5/1); moist to wet; 30% silt, 50% fine to coarse sand, 20% fine to coarse gravel.		
				10.0	ML		Sandy Gravelly SILT (ML) ; greenish gray (10Y 5/1); moist; 5% clay, 55% silt, 25% fine to coarse sand, 15% fine to coarse gravel.		
				14.0			@ 12' - Clayey SILT (ML) ; olive brown (2.5Y 4/3); moist; 15% clay, 80% silt; 5% fine sand; low plasticity.		
140		S-8-15.5		15	SM		Silty SAND (SM) ; olive brown (2.5Y 4/3); moist to wet; 5% clay, 30% silt, 65% fine to coarse sand.		
				16.0					

WELL LOG (PID) [VALBANY--1]GINT0366.GPJ DEFAULT.GDT 7/15/04



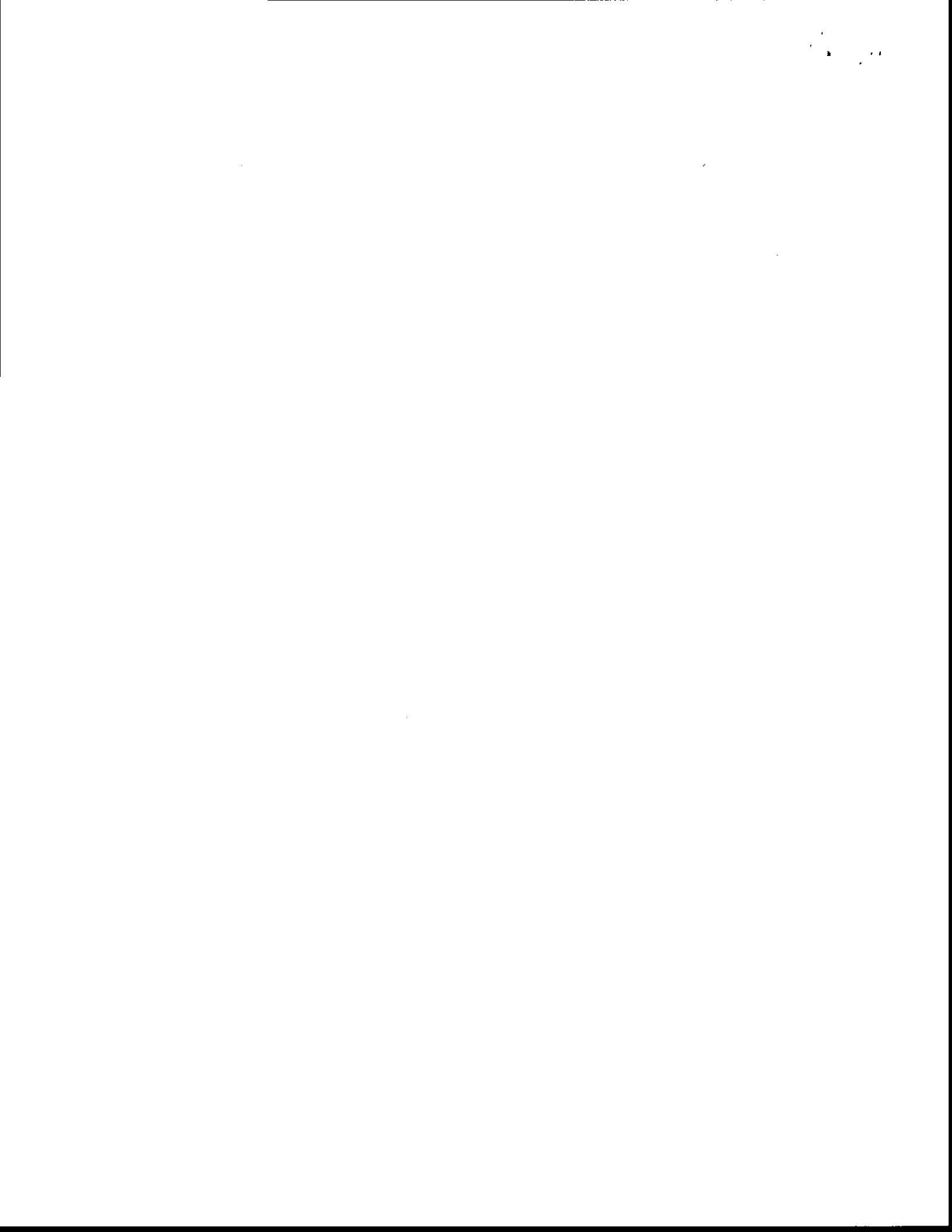
Cambria Environmental Technology, Inc.
 270 Perkins Street
 Sonoma, California 95476
 Telephone: (707) 935-4850
 Fax: (707) 935-6649

BORING/WELL LOG

CLIENT NAME	Shell Oil Products US	BORING/WELL NAME	S-9
JOB/SITE NAME	Shell-branded Service Station	DRILLING STARTED	06-May-04
LOCATION	999 San Pablo Avenue, Albany, California	DRILLING COMPLETED	06-May-04
PROJECT NUMBER	0366	WELL DEVELOPMENT DATE (YIELD)	30-Dec-99 (4 gallon)
DRILLER	Gregg Drilling	GROUND SURFACE ELEVATION	40.21 ft above msl
DRILLING METHOD	Hollow-stem auger	TOP OF CASING ELEVATION	39.72 ft above msl
BORING DIAMETER	8"	SCREENED INTERVAL	6 to 16 fbg
LOGGED BY	S. Lewis	DEPTH TO WATER (First Encountered)	9.5 ft (06-May-04) ▽
REVIEWED BY	A. Friel, RG 6452	DEPTH TO WATER (Static)	10.4 ft (12-May-04) ▽
REMARKS			

PID (ppm)	BLOW COUNTS	SAMPLE ID	EXTENT	DEPTH (fbg)	U.S.C.S.	GRAPHIC LOG	LITHOLOGIC DESCRIPTION	CONTACT DEPTH (fbg)	WELL DIAGRAM
				0.6	GM		CONCRETE	0.6	<p>Portland Type I/II Bentonite Seal Monterey Sand #2/12 2"-diam., 0.020" Slotted Schedule 40 PVC Bottom of Boring @ 16 ft</p>
				1.5			Silty Sandy GRAVEL (GM) ; very dark grayish brown (10YR 3/2); moist; 30% silt, 30% fine to coarse sand; 40% fine to coarse gravel. Clayey SILT (ML) ; very dark grayish brown (10YR 3/2); moist; 20% clay, 80% silt; low to medium plasticity.	1.5	
0		S-9-6		5	ML		@ 5' - yellowish brown (10YR 5/4). Clayey Sandy SILT (ML) ; yellowish brown (10YR 5/4); 20% clay, 60% silt, 20% fine to coarse sand; low plasticity.	9.0	
				10	SM		Silty SAND (SM) ; yellowish brown (10YR 5/4); moist; 35% silt, 60% fine to coarse sand, 5% fine gravel. @ 9.5' - moist to wet.	10.0	
0		S-9-11		10	ML		Clayey SILT (ML) ; yellowish brown (10YR 5/4); 20% clay, 80% silt; low plasticity.	12.0	
				13.5	GM		Silty Sandy GRAVEL (GM) ; light yellowish brown (10YR 6/4); moist to wet; 30% silt, 30% fine to coarse sand, 40% fine to coarse sand.	13.5	
				15	ML		Clayey SILT (ML) ; light brownish gray (10YR 6/2); moist; 20% clay, 80% silt; low plasticity.	16.0	
0		S-9-15.5		15.5				16.0	

WELL LOG (PID) I:\ALBANY-1\GINTU0366.GPJ DEFAULT.GDT 7/15/04



July 23, 2004

Mr. Don Hwang
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: **Site Investigation Report/Second Quarter 2004
Groundwater Monitoring Report**
Shell-branded Service Station
999 San Pablo Avenue
Albany, California
SAP Code 135037
Incident #98995143



Dear Mr. Hwang:

Cambria Environmental Technology, Inc. (Cambria) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell) to document the recent activities at the above-referenced site (Figure 1). The purpose of the work was to further assess the extent of hydrocarbons in soil and groundwater near the current USTs and downgradient of the site. Cambria followed the scope of work presented in our September 26, 2002 *Subsurface Investigation Work Plan*. The work was performed in accordance with Alameda County Health Care Services Agency (ACHCS), Alameda County Public Works Agency (ACPWA), and San Francisco Bay Regional Water Quality Control Board (RWQCB) guidelines.

SITE LOCATION AND DESCRIPTION

Site Location: The subject site is located on the northeast corner of the intersection of San Pablo Avenue and Marin Avenue in Albany, California (Figure 1). The station layout included three underground storage tanks (USTs), three fuel dispensers, a station building and a car wash (Figure 2). The area surrounding the site is primarily commercial use.


PREVIOUS WORK

1998 Upgrades: Soil sampling activities were performed at this site during the mandatory 1998 station upgrades. The results of the upgrades sampling indicated minor gasoline impact to soil; thus, an Unauthorized Release Report Form was submitted. The results of the sampling are summarized in the *1998 Upgrade Site Inspection and Soil Sampling Report* dated November 24, 1998.

**Cambria
Environmental
Technology, Inc.**

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

1990 Soil Boring and Monitoring Well Installations: During three separate drilling events in 1990, GeoStrategies Inc. (GSI) of Hayward California installed a total of seven exploratory soil borings (S-A through S-G) and seven groundwater monitoring wells (S-1 through S-7) at the subject site as described below.



On January 29 and 30, 1990, 10 exploratory borings were installed using a hollow-stem auger drill rig, three of which were completed as groundwater monitoring wells (S-1 through S-3). Total petroleum hydrocarbons as gasoline (TPHg) was detected in all of the soil borings with the highest concentrations detected at approximately 10 fbg. TPHg concentrations at 10 fbg ranged from below laboratory detection limits to 1,900 parts per million (ppm). Only boring S-D had detectable levels of TPHg at 15 fbg. Up to 8,700 parts per billion (ppb) TPHg and 1,600 ppb benzene were detected in groundwater samples collected from groundwater monitoring wells S-1, S-2, and S-3. Results of this investigation are summarized in GSI's March 23, 1990 *Well Installation and Soil Boring Report*.

On April 16, 1990, GSI installed two additional soil borings to approximately 20.5 fbg and completed them as groundwater monitoring wells (S-4 and S-5) to depths of approximately 14 fbg (Figure 2). Soil and groundwater samples from S-4 were below laboratory detection limits for TPHg and benzene. Well S-5, constructed in a location across Marin Avenue to the south of the site and directly adjacent to another fuel sales facility (ARCO), showed detectable levels of TPHg and benzene in soil samples at 12 fbg and 15 fbg. In addition, well S-5 contained 0.62 feet of separate phase hydrocarbons (SPH). The results of this investigation are summarized in GSI's June 28, 1990 *Well Installation Report*.

On August 28, 1990, GSI installed two soil borings to 19.5 fbg and then converted the borings to groundwater monitoring wells S-6 and S-7 installed to 15 fbg (Figure 2). TPHg and benzene were detected in soil samples from S-6 at 6 fbg and 9 fbg. No petroleum hydrocarbons were detected in soil samples collected from S-7. Groundwater samples from S-6 indicated the presence of TPHg and benzene. Groundwater samples collected from S-7 were below laboratory detection limits for TPHg and benzene.

1996 Underground Storage Tank (UST) Removal and Soil Sampling: On October 21, 1996, Paradiso Mechanical (Paradiso) of San Leandro, California removed three USTs, five product dispensers and associated product piping. Cambria collected 12 soil samples from the UST excavation and 11 soil samples from beneath the product dispensers, vent lines and product lines. Petroleum hydrocarbons were detected in the UST excavation and in the dispenser/piping areas. Three backfill wells (RW-1, RW-2, and RW-3) were installed in the former UST excavation for

potential future use as remediation wells. The results of this investigation are summarized in Cambria's October 3, 1997 *Underground Storage Tank Removal and Soil Sampling Report*.

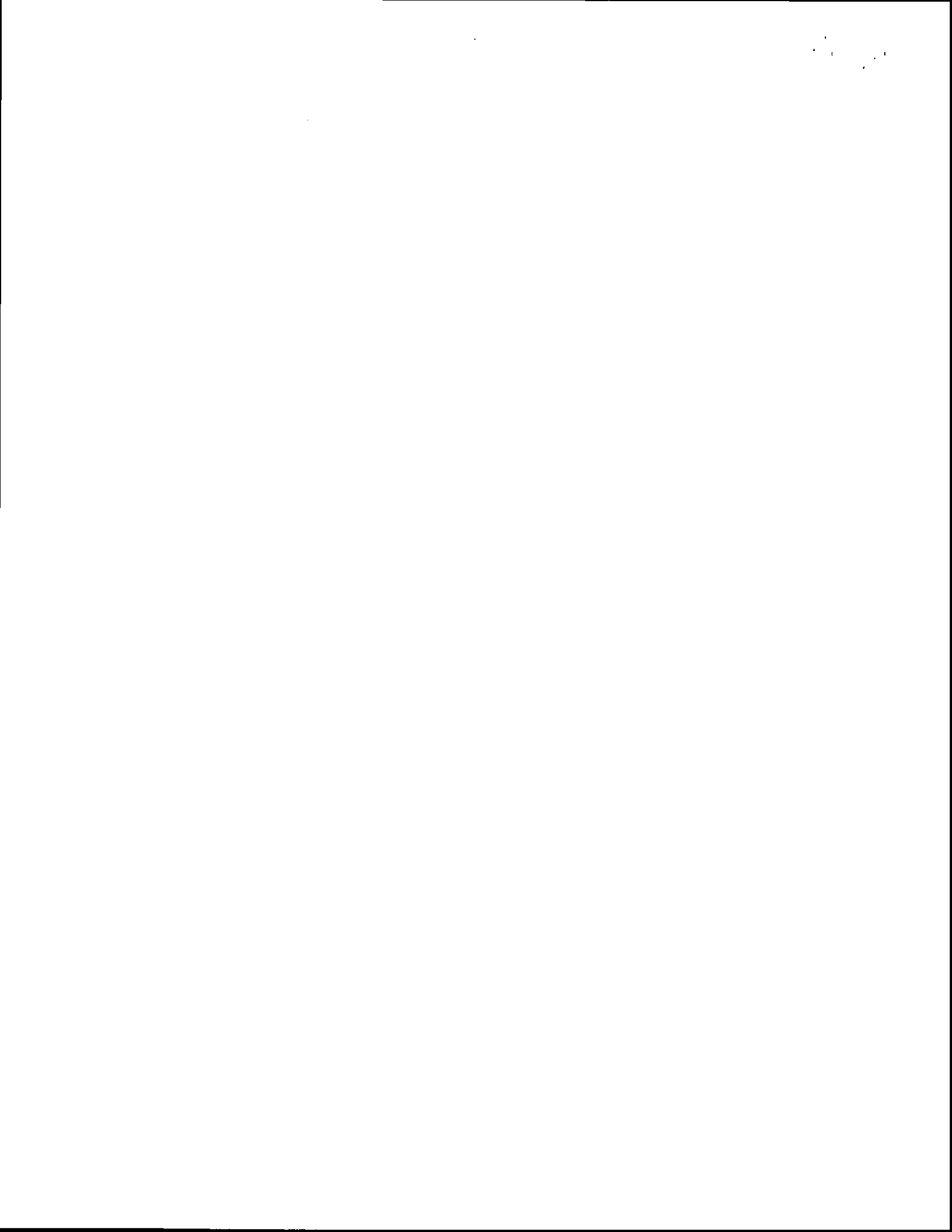
2001 Sensitive Receptor Survey: In July 2001, Cambria conducted a ½-mile radius well survey by reviewing well logs from the California Department of Water Resources (DWR) to locate records of municipal and private wells in the site vicinity. The survey identified 22 monitoring or test wells, 2 wells of unknown use, 1 cathodic protection well, 1 destroyed well and 6 vapor extraction wells within a ½-mile radius of the site. One of the unknown wells, likely a monitoring well, is owned by Exxon; the other unknown well is owned by PG&E and is likely a cathodic protection well. No wells used for drinking water were identified within ½-mile radius of the site.



Groundwater Monitoring: Groundwater monitoring of wells S-1 through S-7 has been conducted at the site since 1991. Monitoring wells S-3, S-5, and S-6 are located upgradient of the Shell site, and downgradient of an ARCO service station located on the southeast corner of San Pablo Avenue and Marin Avenue. Petroleum constituents in these wells primarily represent impact from the ARCO station, and well S-5 has contained up to 6.5 feet of SPH. Ownership of well S-5, located across Marin Avenue from the site adjacent to an ARCO Service Station, has been transferred to ARCO for remediation and periodic sampling.

Wells S-1 and S-4 are positioned upgradient of the Shell station, and well S-7 is located down- to cross-gradient of the Shell station. Well S-2 is positioned immediately adjacent to the dispenser islands, and near a former UST. Maximum TPHg, benzene, and MTBE concentrations of 43,000 ppb, 5,000 ppb, and 11,000 ppb, respectively, have been reported in well S-2. No TPHg or benzene has been reported in well S-4 since 1998, and no MTBE has been detected by EPA Method 8260 in well S-4 since 1999. Groundwater collected from well S-7 has not contained TPHg or benzene since 1998. The maximum MTBE concentration reported in well S-7 is 14 ppb by EPA Method 8020. No MTBE has been detected by EPA Method 8260 in well S-7 since 2001. Thus, the lateral extent of groundwater impact is delineated to the east by S-4, to the northeast by S-1, and to the north by S-7. The ARCO plume is approaching the site from the south and extends southwest. Wells S-1 through S-7 do not provide delineation to the west of S-2.

Based on previous soil and groundwater data, further assessment of MTBE adjacent to the current UST complex and delineation of MTBE to the southwest (downgradient) of well S-2 was recommended. Cambria proposed installing well S-8 near the current tank complex, and S-9 across San Pablo Avenue. The results of this investigation are presented below.



INVESTIGATION RESULTS

Personnel Present: Cambria geologist Scott Lewis directed the field activities, working under the supervision of California Registered Geologist Ana Friel.

Permit: Well permit Nos. W04-0365 and W04-0366 were obtained from ACPWA and encroachment permit number 0404-6SV0510 was obtained from California Department of Transportation (Appendix A).

Drilling Company: Gregg Drilling and Testing, Inc. of Martinez, California (C57 License No. 485165).

Drilling Dates: May 6, 2004.

Drilling Method: Eight and 10-inch diameter hollow-stem augers (HSA).

Soil Sampling Methods: Soil types were logged using the Unified Soil Classification System and Munsell Soil Color Charts. Soil samples were collected continuously for soil description, potential chemical analysis, and headspace analysis. Using the headspace in a zipper-lock bag, soil samples were screened for the presence of organic vapors with a photo-ionization detector (PID). The PID readings are recorded on the boring logs (Appendix B).

Number of Borings: Two HSA soil borings were drilled and were converted into groundwater monitoring wells (S-8 and S-9). Boring and well specifications are described in Table 1 and locations are shown on Figure 2.

Boring Depths: The HSA borings for wells S-8 and S-9 were drilled to 16 fbg.

Soil Types: Soil types encountered in borings S-8 and S-9 consisted of clayey silt (ML), silty sandy gravel and sandy gravel (GM), and silty sand (SM) to the total explored depth of 16 fbg. Soil types from the borings are recorded on the exploratory boring logs (Appendix B).



Chemical Analyses: Selected soil and groundwater samples were analyzed for TPHg, benzene, toluene, ethylbenzene, xylenes (BTEX), and MTBE by EPA Method 8260B.

Soil Disposal: Approximately 0.73 tons of soil were generated during field activities, stored onsite, and covered with plastic sheeting. The stockpiled soil was sampled and profiled for disposal. The stockpile certified laboratory report is included in Appendix C. On June 3, 2004, Manley and Sons Trucking, Inc. of Sacramento, California transported the soil to Allied Waste Industries' Forward Landfill in Manteca, California for disposal. The disposal documentation is also included in Appendix C.

Well Materials: Well S-8 was constructed using four-inch diameter, Schedule 40 PVC casing with a screen slot size of 0.020-inch and #2/12 Monterey sand. Well S-9 was constructed using two-inch diameter, Schedule 40 PVC casing with a screen slot size of 0.020-inch and #2/12 Monterey sand.

Screened Interval: Wells S-8 and S-9 are screened from 6 to 16 fbg. Monitoring well construction details are presented on Table 1 and recorded on the exploratory boring logs (Appendix B).

Well Development/Sampling: Blaine developed the new wells S-8 and S-9 on May 10, 2004 using surge block agitation and pump evacuation. For the second quarter monitoring event, Blaine gauged, purged, and sampled the new wells and the other site wells that are regularly monitored on May 12, 2004. Blaine's groundwater monitoring and well development report, which includes field sheets, is presented as Appendix D.

Wellhead Survey: Virgil Chavez Land Surveying (licensed land surveyor No. 6323) of Vallejo, California surveyed the elevations and locations of wells S-8 and S-9 on May 11, 2004 (Appendix E).

Depth to Water/Gradient: Groundwater was encountered in borings S-8 and S-9 at approximately 9.5 fbg. The groundwater elevations and contour lines for the second quarter of 2004 are depicted on Figure 3.

HYDROCARBON DISTRIBUTION IN SOIL

TPHg was detected only in one soil sample, collected from boring S-8 at 9.5 fbg at a concentration of 6.1 ppm. Benzene was not detected in any soil samples collected from borings S-8 and S-9. MTBE was detected only in soil samples collected from boring S-8 at 5, 9.5, and 15.5 fbg at concentrations of 0.046, 0.066, and 0.10 ppm, respectively.

The soil chemical analytical data are summarized in Table 2 and TPHg, benzene, and MTBE results are presented on Figure 2. The laboratory analytical report for the soil samples from S-8 and S-9 is included in Appendix F.

HYDROCARBON DISTRIBUTION IN GROUNDWATER – SECOND QUARTER 2004

No TPHg, benzene, or MTBE were detected in groundwater samples collected from wells S-7 or S-9. TPHg was detected in groundwater samples collected from S-2, S-3, and S-6 at concentrations of 8,200, 1,900, and 4,000 ppb, respectively. Benzene was detected in groundwater samples collected from wells S-2, S-3, and S-6 at concentrations of 18, 2.8, and 230 ppb, respectively. MTBE was detected in groundwater samples collected from wells S-2, S-3, S-6, and S-8 at concentrations of 250, 9.7, 21, and 2,500 ppb, respectively.

The groundwater chemical analytical data are presented on the data table included in Blaine's second quarter monitoring report in Appendix D. TPHg, benzene, and MTBE results are presented on Figure 3 with the second quarter 2004 groundwater gradient contours. Laboratory analytical data are included in Appendix D.

CONCLUSIONS

Well S-8 was installed to assess the conditions immediately adjacent to the current UST complex, and well S-9 was installed to assess the extent of impacted groundwater downgradient of the site. Relatively minor soil impact was observed in soil from S-8, adjacent to the current UST complex; however, the groundwater at S-8 contained MTBE 2,500 ppb. The downgradient extent of the groundwater plume has been delineated to the west by non-detect concentrations in soil and groundwater at S-9. Delineation to the northwest is defined by non-detect for all constituents in well S-7.

C A M B R I A

The contaminant plumes at this site are exhibiting declining trends. Historical site maximum concentrations were 43,000 ppb TPHg in S-2 (November 1991), 4,400 ppb benzene in S-2 (August 1991), and 11,000 ppb MTBE in S-2 (July 1996, when MTBE was added to the analytical suite). The second quarter monitoring event indicates concentrations of TPHg, benzene and MTBE in S-2 at 8,200, 18, and 250 ppb, respectively. Well S-2 contains the current maximum concentration of TPHg and benzene for the site, with S-8 containing the maximum MTBE concentration (2,500 ppb).



Given the declining trends in contaminants, the elimination of MTBE from Shell's fuel (2003), and the absence of nearby drinking water receptors, this site does not appear to pose a threat to human health or the environment.

RECOMMENDATIONS

Quarterly monitoring should continue on the established schedule with the addition of the two new wells, S-8 and S-9, to establish trends in those wells. A site conceptual model should be prepared to identify the need for additional investigation, site remediation or further monitoring.

C A M B R I A

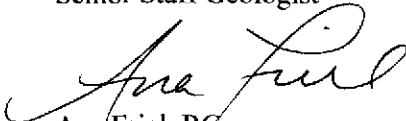
CLOSING

If you have any questions regarding the contents of this document, please call Ana Friel at (707) 442-2700.

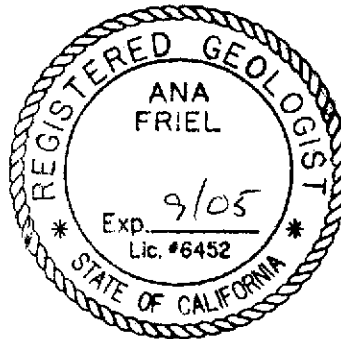
Sincerely,
Cambria Environmental Technology, Inc.



Scott Lewis
Senior Staff Geologist



Ana Friel, RG
Senior Project Geologist
RG 6452



Attachments:

- | | |
|-------------|--|
| Table 1. | Well/Boring Data |
| Table 2. | Soil Analytical Data |
| Figure 1. | Site Vicinity/Area Well Survey Map |
| Figure 2. | Soil Chemical Concentration Map |
| Figure 3. | Groundwater Contour/Chemical Concentration Map |
| Appendix A. | Permits |
| Appendix B. | Exploratory Boring Logs |
| Appendix C. | Disposal Confirmation |
| Appendix D. | Blaine Tech Services, Inc. - Groundwater Monitoring Report |
| Appendix E. | Virgil Chavez Surveying Results |
| Appendix F. | Certified Analytical Reports |

cc: Karen Petryna, Shell Oil Products US
Betty Patton, Site owner

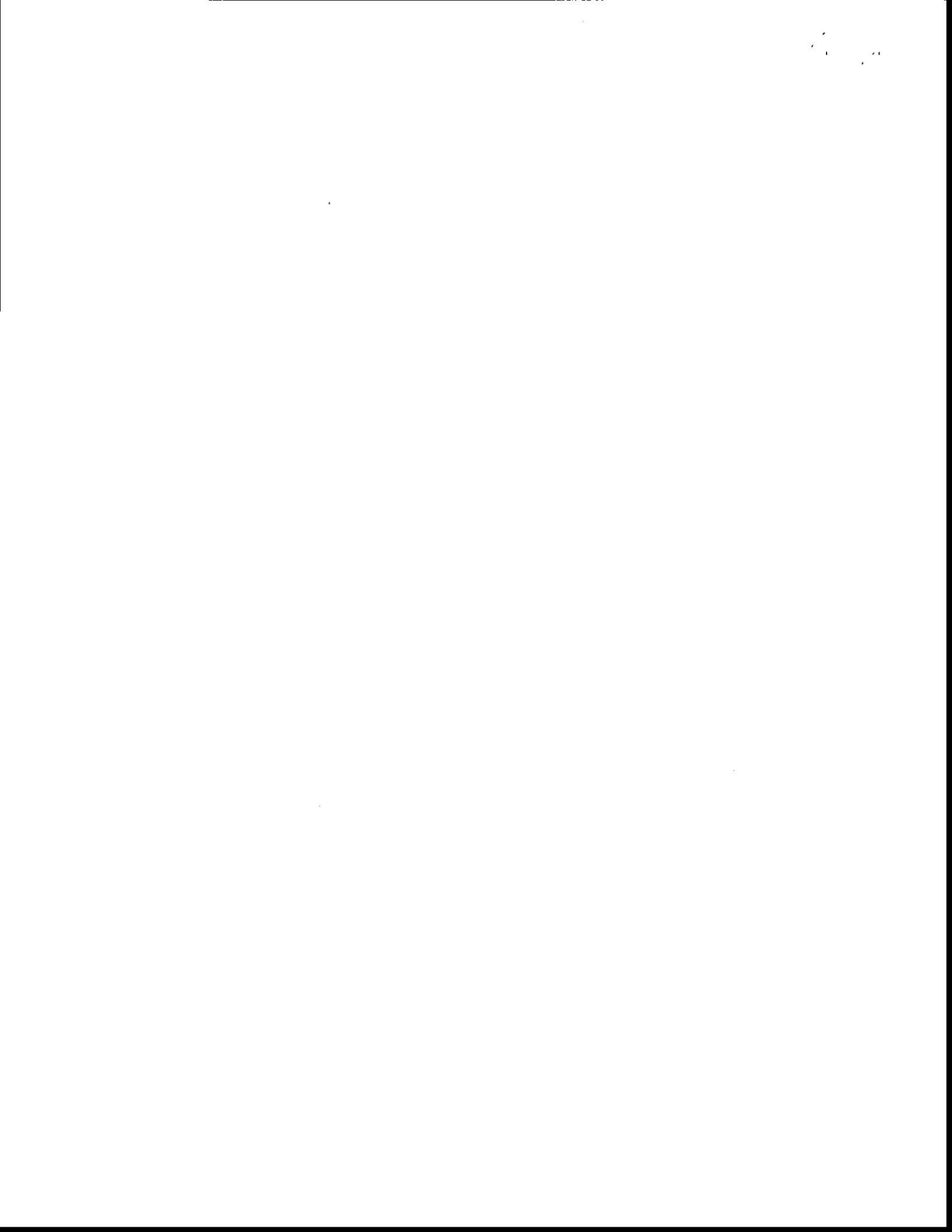


Table 1. Well/Boring Data, Shell-branded Service Station, 999 San Pablo Avenue, Albany, California

Name	Type	Date Installed	Total Depth (fbg)	Soil Sample Interval	First Encountered Depth (fbg)	TOC Elev (ft. msl)	Screen Diam. (in)	Screen Depth (ft)		Comments
								Top	Bottom	
RW-1	Well (HSA)	21-Oct-96	14	-	-	-	4	8	14	UST backfill well
RW-2	Well (HSA)	21-Oct-96	14	-	-	-	4	8	14	UST backfill well
RW-3	Well (HSA)	21-Oct-96	14	-	-	-	4	8	14	UST backfill well
S-1	Well (HSA)	30-Jan-90	15	5	9.5	42.57	3	6	11	
S-2	Well (HSA)	30-Jan-90	14	5	9.5	40.63	3	6	11.5	
S-3	Well (HSA)	30-Jan-90	20	5	9.75	41.37	3	6	11.5	
S-4	Well (HSA)	16-Apr-90	20	5	11.0	41.04	3	5	14	
S-5	Well (HSA)	16-Apr-90	20	5	11.0	39.99	3	6	16	Transferred to Arco
S-6	Well (HSA)	15-Aug-90	20	5	9.5	39.92	3	5.5	15	
S-7	Well (HSA)	15-Aug-90	20	5	13	39.72*	3	5.5	15	
S-8	Well (HSA)	08-May-04	16	C	9.5	40.52	4	6	16	
S-9	Well (HSA)	08-May-04	16	C	9.5	39.72	2	6	16	
S-A	Boring (HSA)	29-Jan-90	15.5	5	11	-	-	-	-	
S-B	Boring (HSA)	29-Jan-90	15.5	5	11	-	-	-	-	
S-C	Boring (HSA)	29-Jan-90	14	5	10.5	-	-	-	-	
S-D	Boring (HSA)	29-Jan-90	15.5	5	10.25	-	-	-	-	
S-E	Boring (HSA)	29-Jan-90	15.5	5	10	-	-	-	-	
S-F	Boring (HSA)	29-Jan-90	15.5	5	9.75	-	-	-	-	
S-G	Boring (HSA)	29-Jan-90	15.5	5	11.25	-	-	-	-	

Abbreviations:

TOC = Top of Casing referenced to mean sea level

ft msl = feet referenced to mean sea level

fbg = feet below grade

C = Continuous

HSA = Hollow-stem auger

* TOC survey elevation for S-7 was 39.91; however, on June 22, 2004, the casing was cut for repair work, lowering the TOC by 0.19 ft. New TOC = 39.72

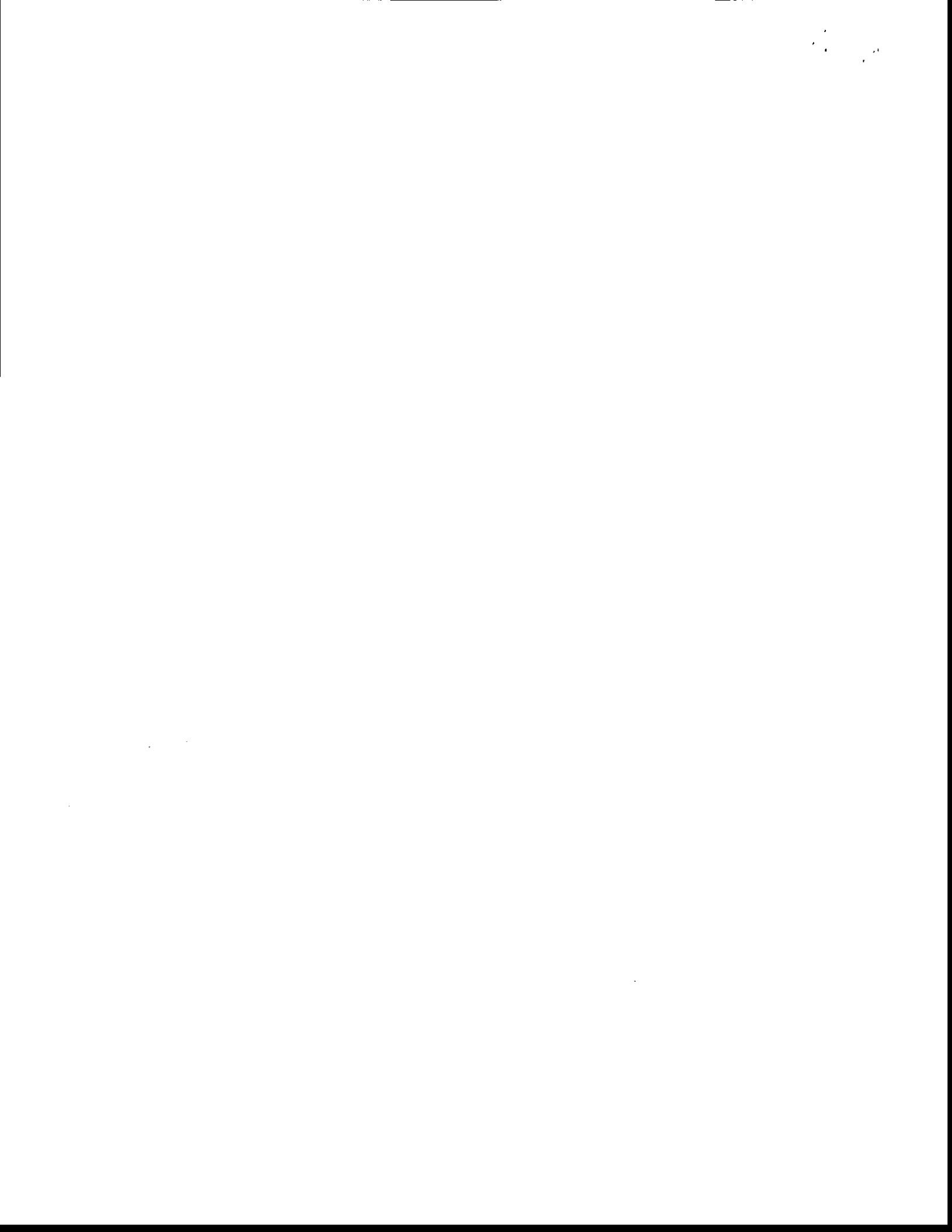
CAMBRIA

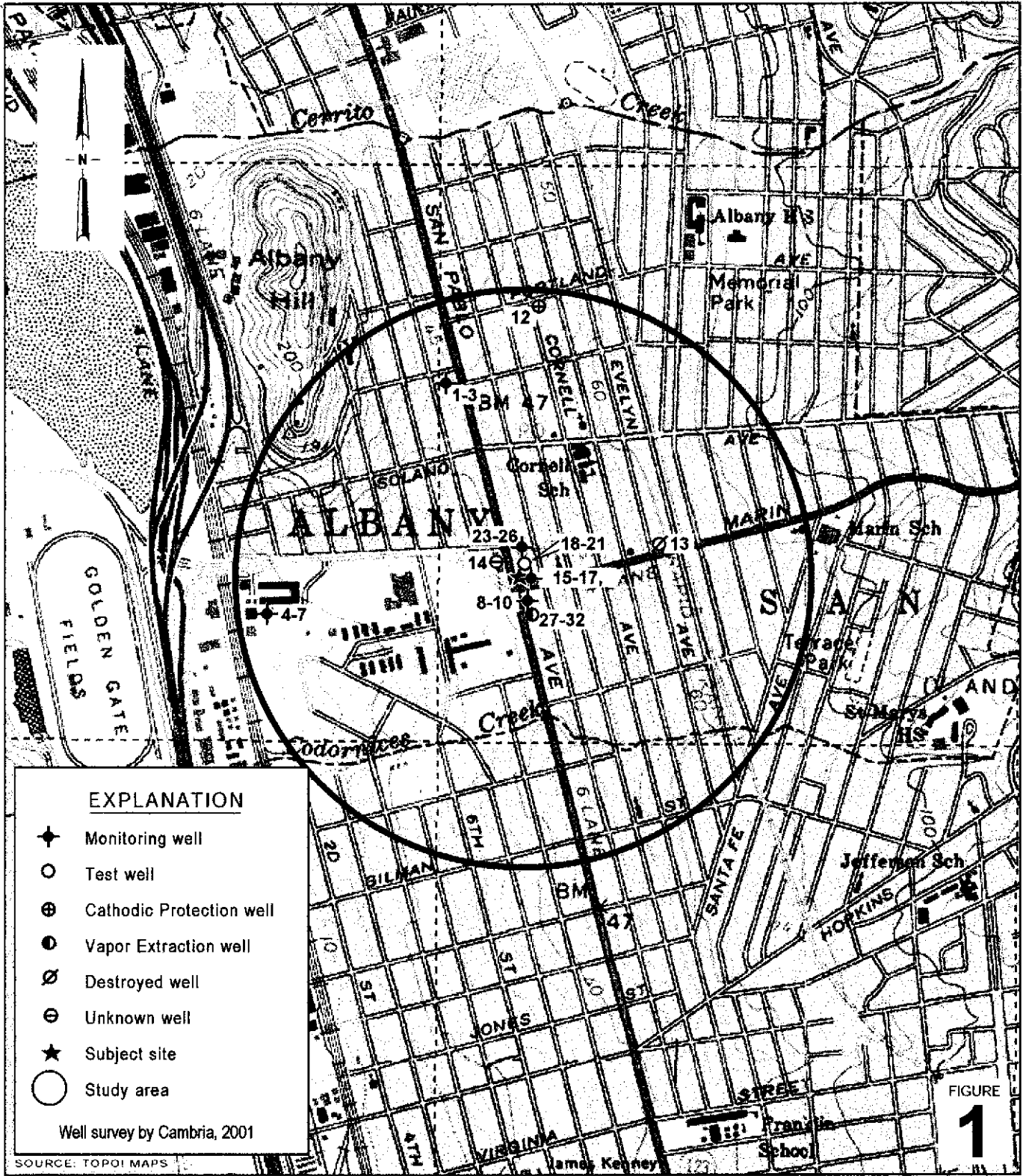
Table 2. Soil Analytical Data, Shell-branded Service Station, 999 San Pablo Avenue, Albany, California

Sample	Depth (fbg)	Date Sampled	TPHg (mg/kg)	B (mg/kg)	T (mg/kg)	E (mg/kg)	X (mg/kg)	MTBE (mg/kg)
S-8-5'	5'	06-May-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	0.046
S-8-9.5'	9.5'	06-May-04	6.1	<0.0050	<0.0050	0.0081	0.0059	0.066
S-8-15.5'	15.5'	06-May-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	0.10
S-9-6'	6'	06-May-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
S-9-11'	11'	06-May-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
S-9-15.5'	15.5'	06-May-04	<1.0	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050

Abbreviations and Notes:

- fbg = Feet below grade
- mg/kg = Milligrams per kilogram (parts per million)
- <x = Not detected at detection limit x
- Constituents analyzed by EPA Method 8260B
- TPHg = Total petroleum hydrocarbons as gasoline
- BTEX = Benzene, toluene, ethylbenzene, and xylenes
- MTBE = Methyl tertiary butyl ether



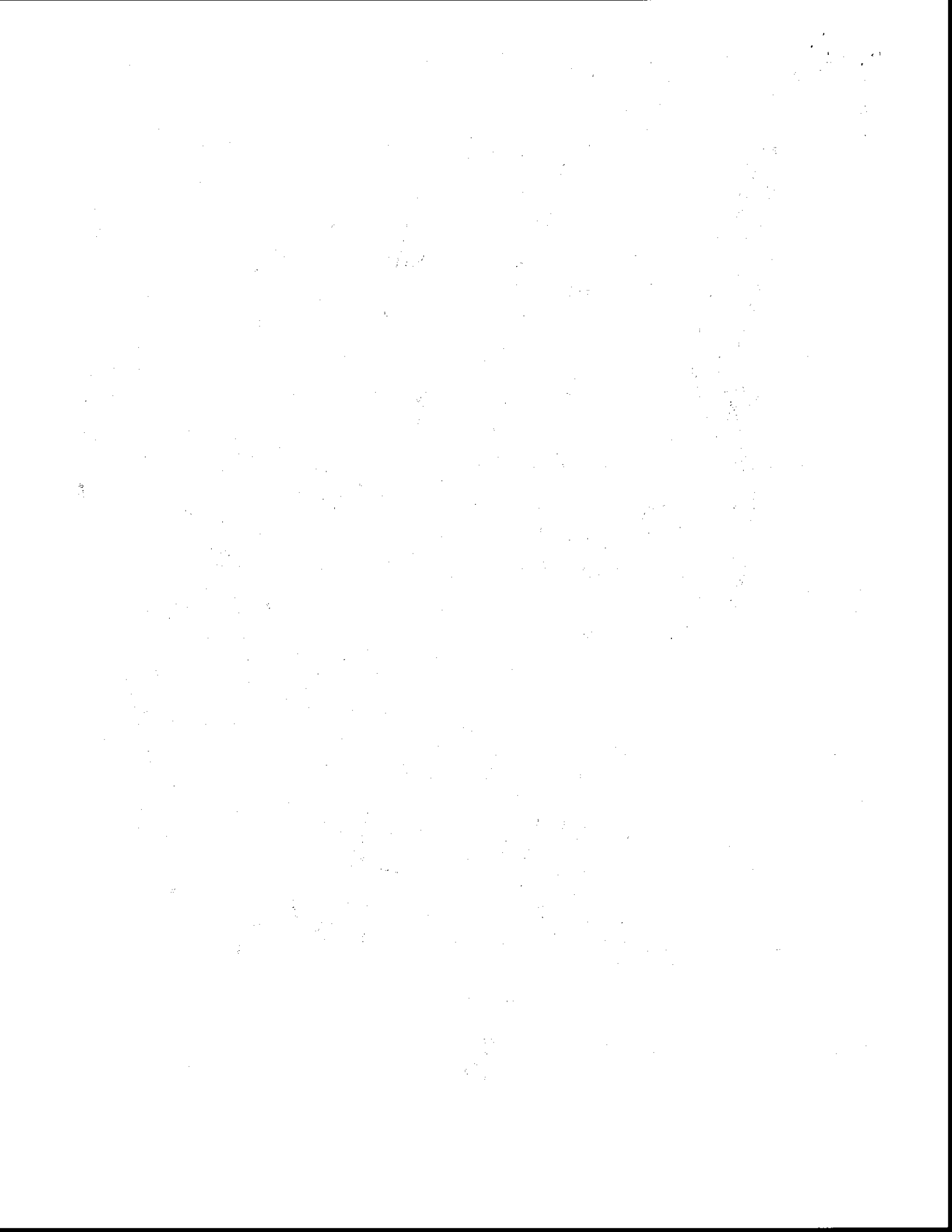


Shell-branded Service Station
 999 San Pablo Avenue
 Albany, California



C A M B R I A

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



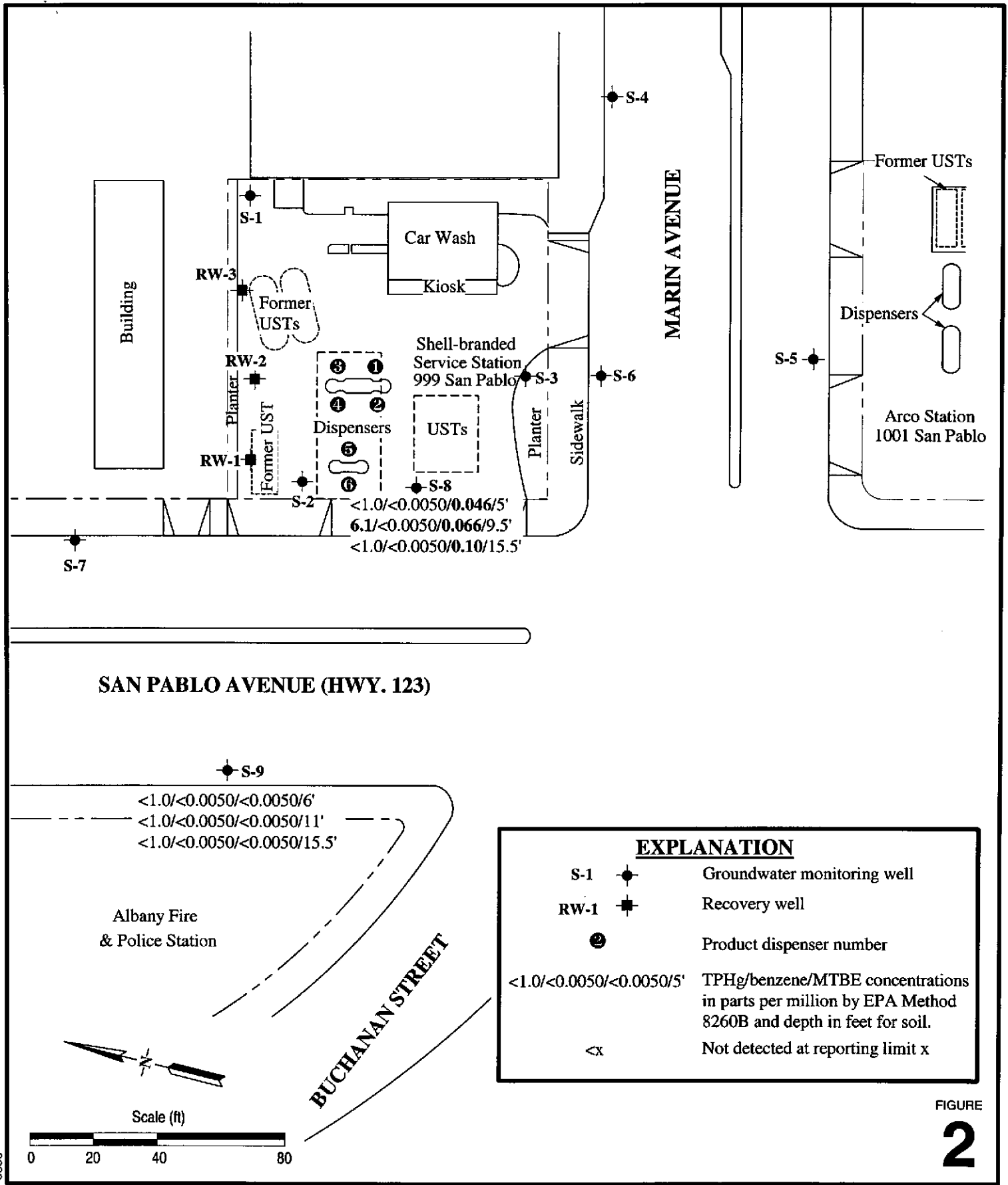


FIGURE
2

Shell-branded Service Station

999 San Pablo Avenue
Albany, California

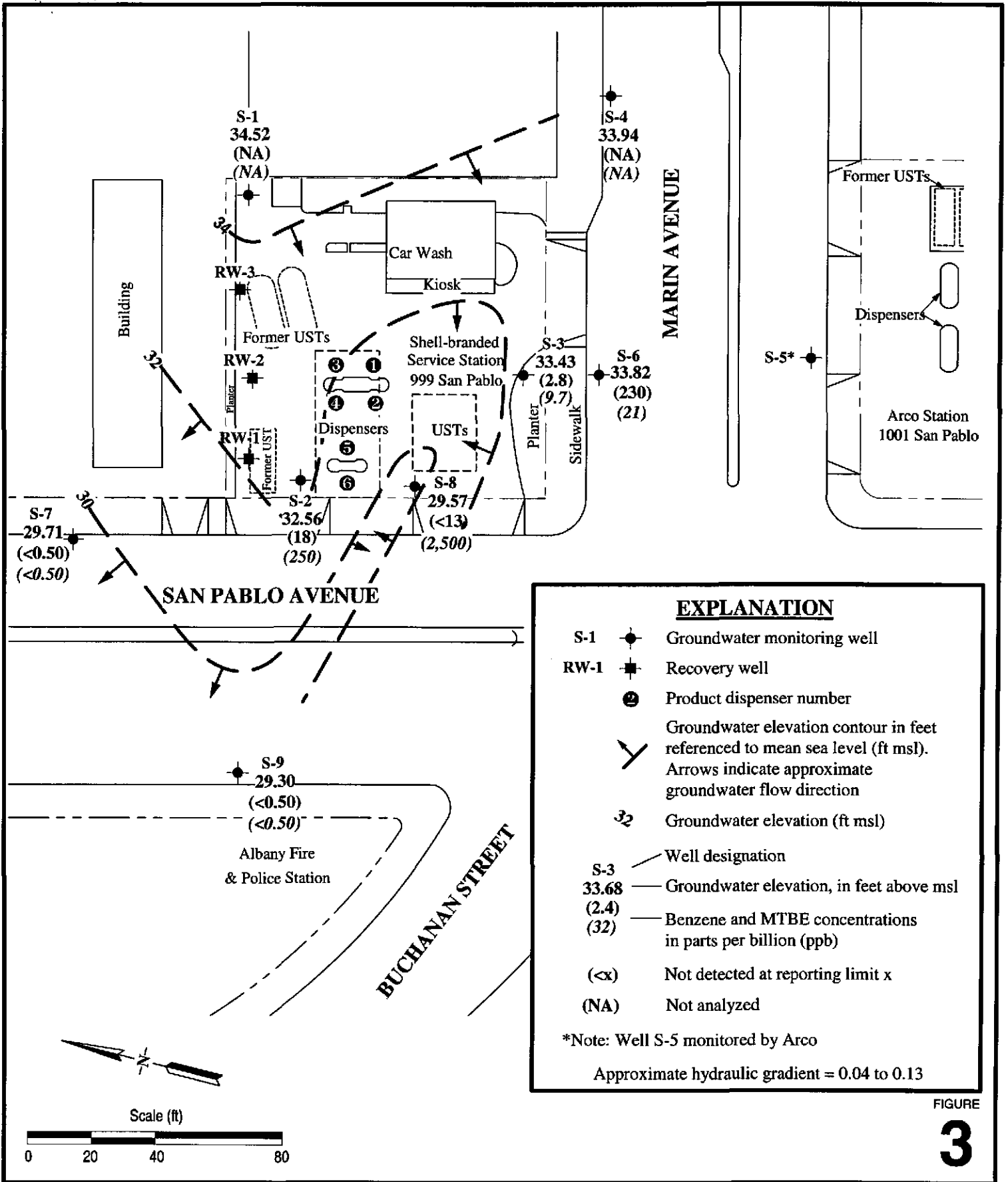


Soil Chemical Concentration Map

C A M B R I A

May 6, 2004

0366



FIGURE

3

Shell-branded Service Station

999 San Pablo Avenue
Albany, California

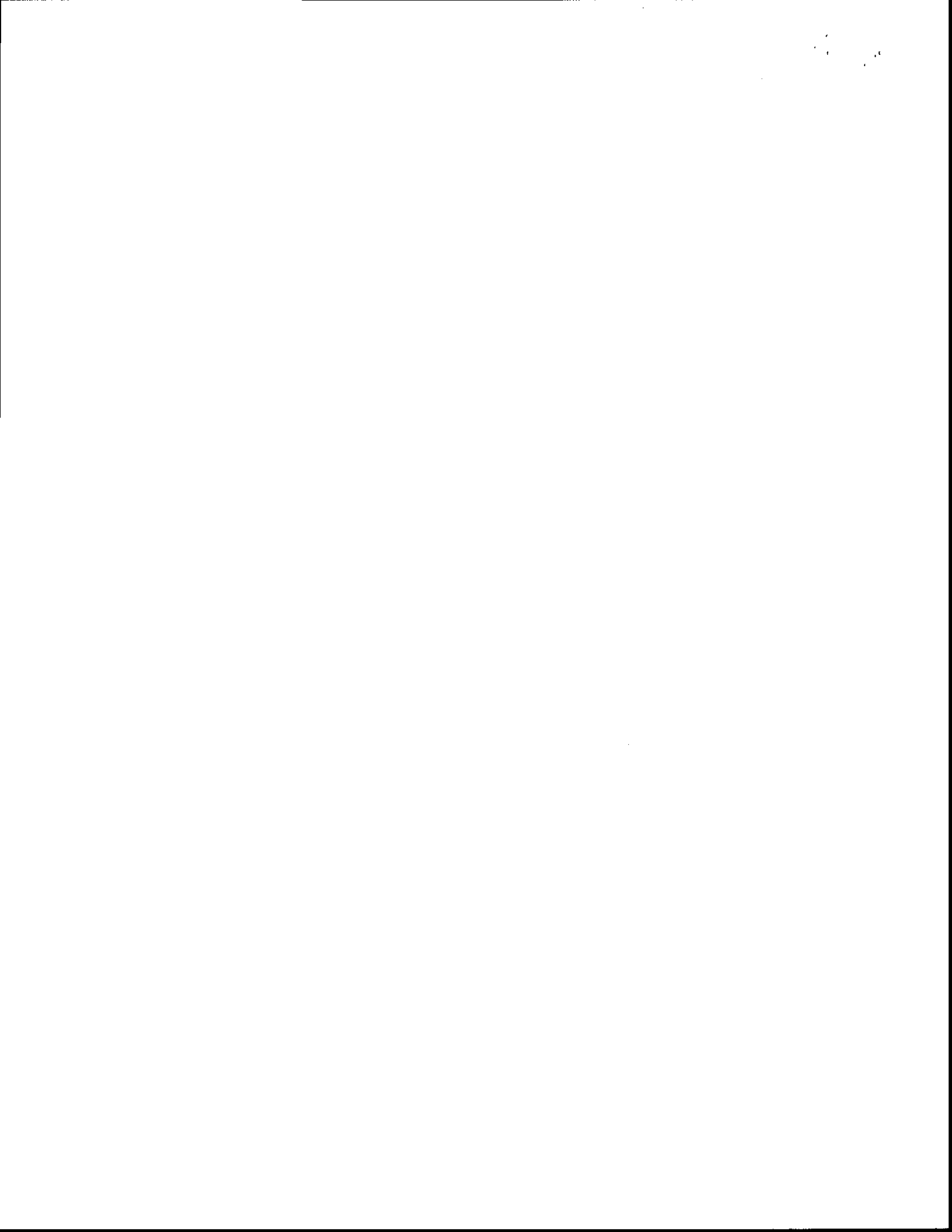


CAMBRIA

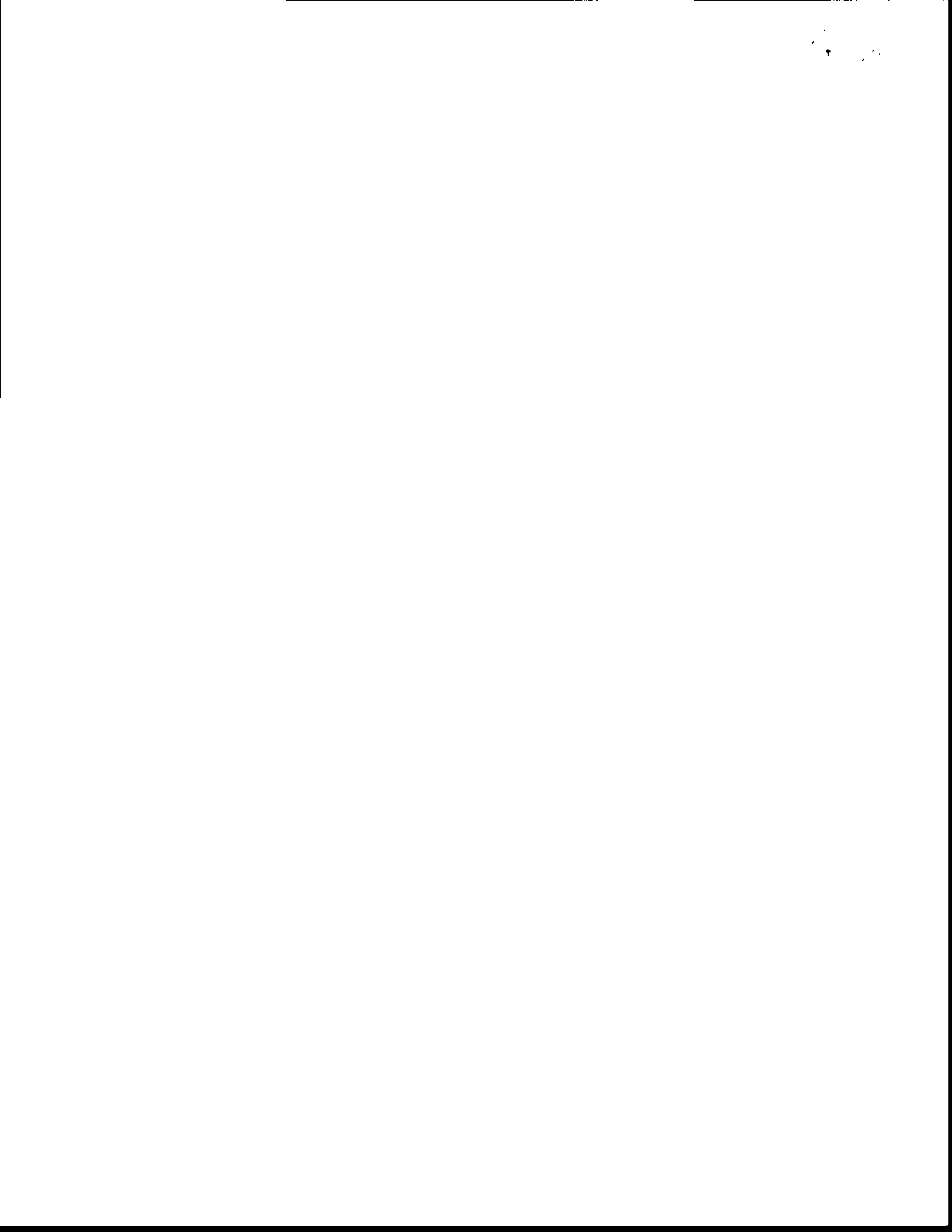
**Groundwater Contour/
Chemical Concentration Map**

May 12, 2004

0366



Appendix C
Disposal Confirmation





FAXED
6/18/04

Hazardous Waste Hauler (Registration #2843)

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

Disposal Confirmation

Request for Transportation Received: 5/26/04

Consultant Information

Company: Cambria Env.
Contact: Geno Mammini
Phone: 707 933-2371
Fax: 707 935-6649

Site Information

Station #: N/A
Street Address: 999 San Pablo Ave.
City, State, ZIP: Albany, CA

Customer: Shell Oil Company RESA-0023-LDC
RIPR #: 34694
SAP # / Location: _____
Incident #: 98995143
Location / WIC #: N/a
Environmental Engineer: Karen Petryna

Material Description: Contaminated Soil
Estimated Quantity: 1.5 cubic yards
Service Requested Date: _____

Disposal Facility: Forward
Contact: Griffith, Joe
Phone: 800-204-4242
Approval #: 4513
Date of Disposal: 06/03/04
Actual Tonnage: .73

Transporter: Manley & Sons Trucking, Inc.
Contact: Lora Cardenas
Phone: 916 381-6864
Fax: 916 381-1573
Invoice: 52216-D
Date of Invoice: 06/11/04

Cambria Environmental Sonoma

May 20, 2004

270 Perkins Street
Sonoma, CA 95476

Attn.: Ana Friel

Project#: 246-0366

Project: 98995143

Site: 999 San Pablo Ave., Albany, CA

Attached is our report for your samples received on 05/07/2004 16:35

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 06/21/2004 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: vvancil@stl-inc.com

Sincerely,



Vincent Vancil
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 Fuel Oxygenates by 8260B (C6-C12)

Cambria Environmental Sonoma

Attn.: Ana Friel

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 442-2700 Fax: (707) 442-2700

Project: 246-0366

98995143

Received: 05/07/2004 16:35

Site: 999 San Pablo Ave., Albany, CA

Samples Reported

[REDACTED]			
SP-1	05/06/2004 14:00	Soil	1

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

Cambria Environmental Sonoma

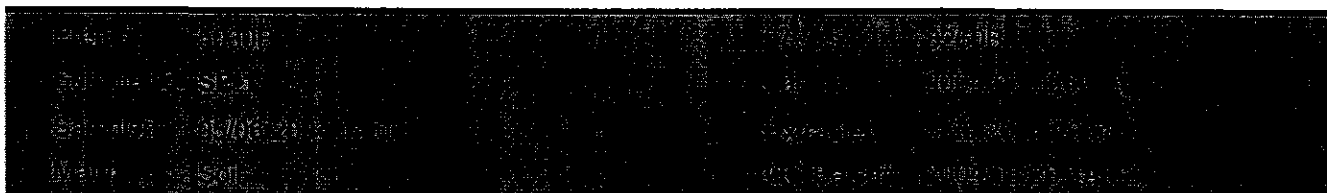
Attn.: Ana Friel

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 442-2700 Fax: (707) 442-2700

Project: 246-0366
98995143

Received: 05/07/2004 16:35

Site: 999 San Pablo Ave., Albany, CA



Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	05/20/2004 10:58	
Benzene	ND	0.0050	mg/Kg	1.00	05/20/2004 10:58	
Toluene	ND	0.0050	mg/Kg	1.00	05/20/2004 10:58	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	05/20/2004 10:58	
Total xylenes	ND	0.0050	mg/Kg	1.00	05/20/2004 10:58	
Surrogate(s)						
1,2-Dichloroethane-d4	109.9	70-121	%	1.00	05/20/2004 10:58	
Toluene-d8	91.1	81-117	%	1.00	05/20/2004 10:58	

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

Cambria Environmental Sonoma

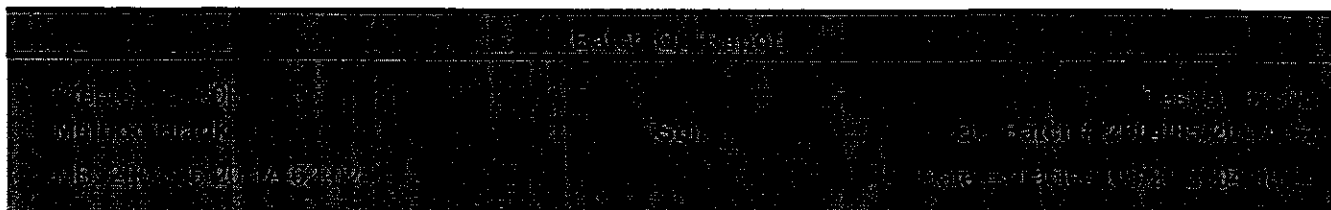
Attn.: Ana Friel

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 442-2700 Fax: (707) 442-2700

Project: 246-0366
98995143

Received: 05/07/2004 16:35

Site: 999 San Pablo Ave., Albany, CA



Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	05/20/2004 08:24	
Benzene	ND	0.0050	mg/Kg	05/20/2004 08:24	
Toluene	ND	0.0050	mg/Kg	05/20/2004 08:24	
Ethyl benzene	ND	0.0050	mg/Kg	05/20/2004 08:24	
Total xylenes	ND	0.0050	mg/Kg	05/20/2004 08:24	
Surrogates(s)					
1,2-Dichloroethane-d4	93.9	70-121	%	05/20/2004 08:24	
Toluene-d8	96.8	81-117	%	05/20/2004 08:24	

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

05/20/2004 12:50

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

Cambria Environmental Sonoma

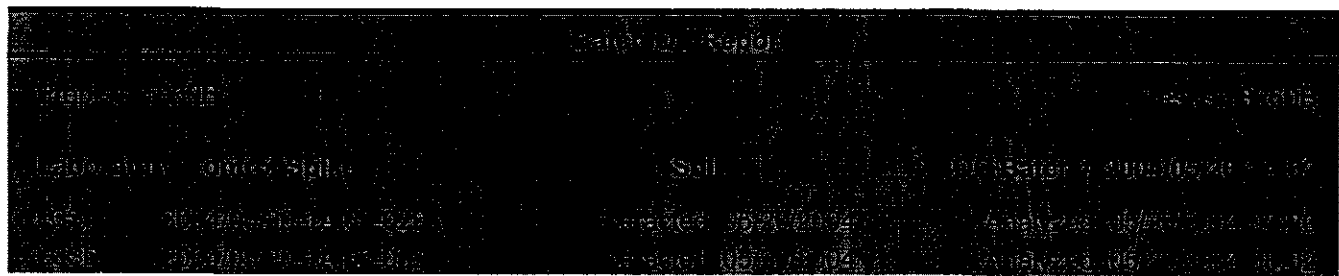
Attn.: Ana Friel

270 Perkins Street
 Sonoma, CA 95476
 Phone: (707) 442-2700 Fax: (707) 442-2700

Project: 246-0366
 98995143

Received: 05/07/2004 16:35

Site: 999 San Pablo Ave., Albany, CA



Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Benzene	0.0396	0.0398	0.05	79.2	79.6	0.5	69-129	20		
Toluene	0.0397	0.0405	0.05	79.4	81.0	2.0	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	450	474	500	90.0	94.8		70-121			
Toluene-d8	491	476	500	98.2	95.2		81-117			

Total Lead

Cambria Environmental Sonoma

Attn.: Ana Friel

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 442-2700 Fax: (707) 442-2700

Project: 246-0366

98995143

Received: 05/07/2004 16:35

Site: 999 San Pablo Ave., Albany, CA

Samples Reported

Sample ID	Sample Date	Sample Type	Count
SP-1	05/06/2004 14:00	Soil	1

Total Lead

Cambria Environmental Sonoma

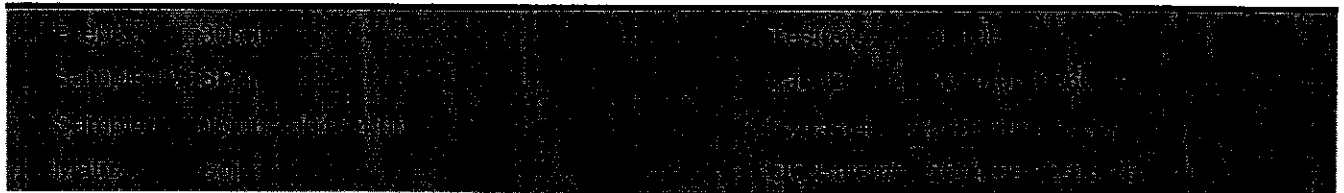
Attn.: Ana Friel

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 442-2700 Fax: (707) 442-2700

Project: 246-0366
98995143

Received: 05/07/2004 16:35

Site: 999 San Pablo Ave., Albany, CA



Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Lead	5.0	1.0	mg/Kg	1.00	05/13/2004 11:53	

Total Lead

Cambria Environmental Sonoma
Attn.: Ana Friel

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 442-2700 Fax: (707) 442-2700
Project: 246-0366
98995143

Received: 05/07/2004 16:35

Site: 999 San Pablo Ave., Albany, CA



Compound	Conc.	RL	Unit	Analyzed	Flag
Lead	ND	1.0	mg/Kg	05/13/2004 10:22	

Total Lead

Cambria Environmental Sonoma

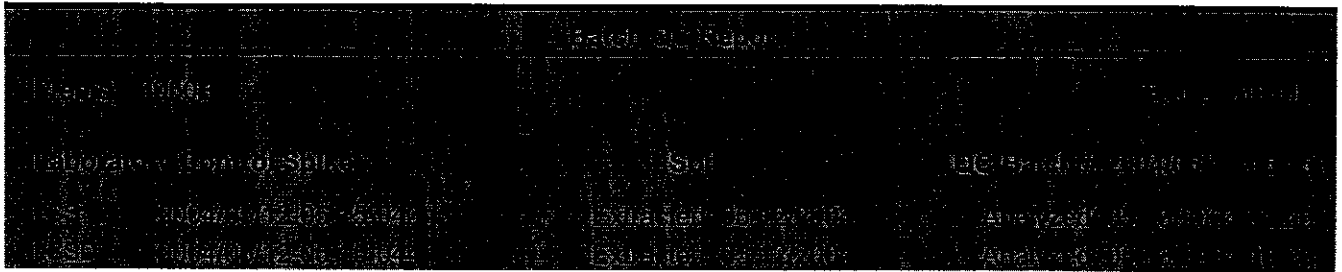
Attn.: Ana Friel

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 442-2700 Fax: (707) 442-2700

Project: 246-0366
98995143

Received: 05/07/2004 16:35

Site: 999 San Pablo Ave., Albany, CA



Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Lead	96.6	96.8	100.0	96.6	96.8	0.2	80-120	20		

Severn Trent Laboratories, Inc.

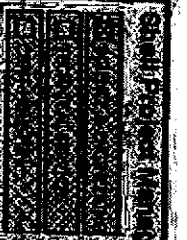
STL San Francisco * 1220 Quarry Lane, Pleasanton, CA 94566

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

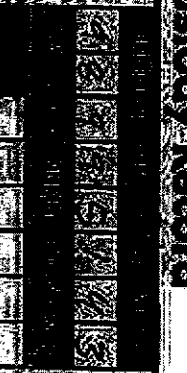
05/20/2004 11:52

1220 Clarity Lane
Pleasanton, CA 94566

TEL: 925-438-1093 FAX: 925-438-1094



Shell Product Name: Exxon Performance
Case: 2004-05-02260



DATE: 5-6-04
PAGE: 1 of 1

Shell Product Name: Exxon Performance
Case: 2004-05-02260

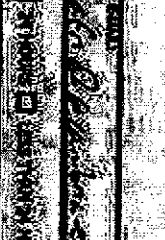


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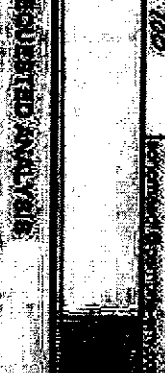


DATE: 5-6-04
PAGE: 1 of 1

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Case: 2004-05-02260



Case: 2004-05-02260

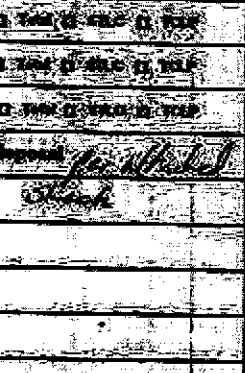


DATE: 5-6-04
PAGE: 1 of 1

Shell Product Name: Exxon Performance
Case: 2004-05-02260



Case: 2004-05-02260

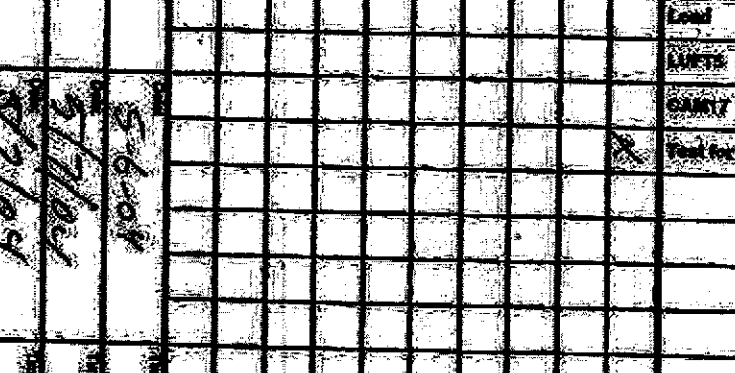


DATE: 5-6-04
PAGE: 1 of 1

Shell Product Name: Exxon Performance
Case: 2004-05-02260



Case: 2004-05-02260



DATE: 5-6-04
PAGE: 1 of 1

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
CANCEL ISSUE
ISSUED BY ERR

ESTUARY STREAM: SOIL WITH UNLEADED GASOLINE
ENDOR: ALLIED-BRI
LOCATION: ALLIED WASTE - MANTUCA
9599 SOUTH AUSTIN ROAD
MANTUCA, CA 95336

ALABAMA - TRANSPORTATION AND RETAIL

EX - EPA 8011B/8015B (IF BENZENE IS > OR = TO 10 MG/KG THEN TCLP BENZENE IS REQUIRED)

TITLE METALS - TITC METALS - LEAD ONLY

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

TOTAL PETROLEUM HYDROCARBONS, METHOD 418.1 OF 8015 - **GASOLINE**

USE METHOD 8260B (GC/MS)

QUATIC BIOASSAY (BISH TO 4) IS ONLY TO BE RUN ON SAMPLES > OR = TO 5000 PPM TPA AQUATIC BIOASSAY (BISH TO 4) - PART 800 OF STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER (15TH EDITION)

LABORATORY INSTRUCTIONS (MINIMUM GUIDELINES ONLY)

ALTERNATE APPROVED TEST METHODS PER SW-846 ARE ALSO ACCEPTABLE
ALL REQUIRED TESTS ON COMPOSITE (MAX 4 L)
LABORATORY IS TO SUPPLY QA/QC INFORMATION WITH ALL ANALYTICAL REPORTS
SEND ORIGINAL ANALYSES TO THE CENTRALIZED RESIDUAL MANAGEMENT TEAM

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

Appendix D

Blaine Tech Services, Inc. - Groundwater Monitoring Report

**BLAINE
TECH SERVICES**



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

June 29, 2004

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

Second Quarter 2004 Groundwater Monitoring at
Shell-branded Service Station
999 San Pablo Avenue
Albany, CA

Monitoring performed on May 10 and 12, 2004

Groundwater Monitoring Report 040512-PC-1

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/ks

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

cc: Ana Friel
Cambria Environmental Technology, Inc.
P.O. Box 259
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WELL CONCENTRATIONS
Shell-branded Service Station
999 San Pablo Avenue
Albany, CA

Well ID	Date	TPPH (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)	SPH Thickness (ft.)	DO Reading (ppm)
S-1	05/13/1991	1,500	20	2.6	86	74	NA	NA	42.73	8.24	34.49	NA	NA
S-1	08/23/1991	2,900	27	<2.5	75	18	NA	NA	42.73	8.37	34.36	NA	NA
S-1	11/07/1991	2,900	8	2.5	46	26	NA	NA	42.73	8.30	34.43	NA	NA
S-1	01/28/1992	2,000	11	<2.5	60	20	NA	NA	42.73	7.84	34.89	NA	NA
S-1	05/06/1992	1,200	5.5	<2.5	80	36	NA	NA	42.73	7.95	34.76	NA	NA
S-1	08/26/1992	2,000	9.4	<2.5	130	<2.5	NA	NA	42.73	8.24	34.49	NA	NA
S-1	10/28/1992	1,300	27	3.2	72	13	NA	NA	42.73	8.52	34.21	NA	NA
S-1	01/19/1993	1,500	13	3	29	31	NA	NA	42.73	6.54	36.19	NA	NA
S-1	04/29/1993	2,000	15	<2.5	82	<65	NA	NA	42.73	7.93	34.80	NA	NA
S-1	07/22/1993	620	1.1	4.2	3.5	13	NA	NA	42.73	8.09	34.64	NA	NA
S-1	10/21/1993	1,200	34	25	15	9.5	NA	NA	42.73	9.43	33.30	NA	NA
S-1	01/04/1994	860	<2.5	<2.5	5.7	5.3	NA	NA	42.73	8.25	34.48	NA	NA
S-1	04/13/1994	NA	NA	NA	NA	NA	NA	NA	42.73	8.02	34.71	NA	NA
S-1	07/25/1994	1,200	8.3	7.4	15	20	NA	NA	42.73	8.22	34.51	NA	NA
S-1	10/10/1994	NA	NA	NA	NA	NA	NA	NA	42.73	8.29	34.44	NA	NA
S-1	01/26/1995	1,000	12	0.6	12	420	NA	NA	42.73	6.88	35.85	NA	NA
S-1	04/21/1995	NA	NA	NA	NA	NA	NA	NA	42.73	7.65	35.08	NA	NA
S-1	07/28/1995	660	7.2	1	11	8.9	NA	NA	42.73	7.90	34.83	NA	4
S-1	10/31/1995	NA	NA	NA	NA	NA	NA	NA	42.73	7.72	35.01	NA	NA
S-1	01/10/1996	1,100	3.5	7	5.1	9.4	NA	NA	42.73	8.24	34.49	NA	7.4
S-1	04/25/1996	NA	NA	NA	NA	NA	NA	NA	42.73	7.74	34.99	NA	NA
S-1	07/23/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	42.73	7.92	34.81	NA	2.7
S-1	12/10/1996	NA	NA	NA	NA	NA	NA	NA	42.73	7.56	35.17	NA	0.6
S-1	02/20/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	42.73	7.95	34.78	NA	3
S-1	05/22/1997	NA	NA	NA	NA	NA	NA	NA	42.73	8.11	34.62	NA	0.5
S-1	08/22/1997	810	18	<2.0	5.1	4.4	18	NA	42.73	7.86	34.87	NA	3
S-1	11/03/1997	NA	NA	NA	NA	NA	NA	NA	42.73	8.35	34.38	NA	1.1

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S-1	02/20/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	42.73	6.09	36.64	NA	2.9
S-1	05/18/1998	NA	NA	NA	NA	NA	NA	NA	42.73	7.69	35.04	NA	1.1
S-1	08/20/1998	390	6.7	<0.50	0.64	<0.50	14	NA	42.73	8.20	34.53	NA	1.9
S-1	11/06/1998	NA	NA	NA	NA	NA	NA	NA	42.73	8.23	34.50	NA	NA
S-1	02/16/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	42.73	7.47	35.26	NA	1.5
S-1	05/28/1999	NA	NA	NA	NA	NA	NA	NA	42.73	7.60	35.13	NA	1.3
S-1	08/24/1999	72.4	<0.500	<0.500	<0.500	<0.500	<2.50	NA	42.73	7.95	34.78	NA	1.4
S-1	11/16/1999	NA	NA	NA	NA	NA	NA	NA	42.73	7.87	34.86	NA	1.3
S-1	02/02/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	42.73	7.26	35.47	NA	1.4
S-1	05/09/2000	NA	NA	NA	NA	NA	NA	NA	42.73	8.13	34.60	NA	1.0
S-1	08/03/2000	209	6.42	<0.500	<0.500	<0.500	<2.50	NA	42.73	8.12	34.61	NA	1.4
S-1	11/15/2000	NA	NA	NA	NA	NA	NA	NA	42.73	8.06	34.67	NA	1.0
S-1	02/14/2001	179	4.46	<0.500	<0.500	<0.500	8.72	NA	42.73	8.08	34.65	NA	1.1
S-1	05/31/2001	NA	NA	NA	NA	NA	NA	NA	42.73	8.05	34.68	NA	1.0
S-1	08/15/2001	270	<0.50	<0.50	<0.50	<0.50	NA	<5.0	42.73	8.40	34.33	NA	1.3
S-1	12/31/2001	NA	NA	NA	NA	NA	NA	NA	42.73	7.42	35.31	NA	0.4
S-1	02/06/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	42.73	7.60	35.13	NA	2.2
S-1	06/04/2002	NA	NA	NA	NA	NA	NA	NA	42.73	8.16	34.57	NA	0.8
S-1	07/25/2002	230	<0.50	<0.50	<0.50	<0.50	NA	<5.0	42.57	7.84	34.73	NA	0.9
S-1	11/27/2002	NA	NA	NA	NA	NA	NA	NA	42.57	8.01	34.56	NA	0.6
S-1	01/30/2003	310	<0.50	<0.50	3.6	1.6	NA	<5.0	42.57	7.56	35.01	NA	1.5
S-1	06/03/2003	NA	NA	NA	NA	NA	NA	NA	42.57	7.87	34.70	NA	1.6
S-1	08/08/2003	730	<0.50	<0.50	12	6.4	NA	<0.50	42.57	7.95	34.62	NA	1.3
S-1	11/13/2003	NA	NA	NA	NA	NA	NA	NA	42.57	7.90	34.67	NA	0.8
S-1	02/04/2004	220	<0.50	<0.50	1.8	1.1	NA	<0.50	42.57	7.37	35.20	NA	1.2
S-1	05/12/2004	NA	NA	NA	NA	NA	NA	NA	42.57	8.05	34.62	NA	1.1
S-2	05/13/1991	23,000	3,900	230	1,100	3,200	NA	NA	40.73	8.50	32.23	NA	NA

WELL CONCENTRATIONS
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S-2	08/23/1991	23,000	4,400	260	1,900	2,400	NA	NA	40.73	8.80	31.93	NA	NA
S-2	11/07/1991	40,000	4,000	160	1,020	3,400	NA	NA	40.73	8.61	32.12	NA	NA
S-2	01/28/1992	22,000	1,600	70	420	1,700	NA	NA	40.73	7.80	32.93	NA	NA
S-2	05/06/1992	20,000	2,600	110	860	1,900	NA	NA	40.73	8.10	32.63	NA	NA
S-2	08/26/1992	42,000	5,000	160	1,100	3,500	NA	NA	40.73	8.37	32.36	NA	NA
S-2	10/28/1992	34,000	4,800	330	1,600	2,900	NA	NA	40.73	8.64	32.09	NA	NA
S-2	01/19/1993	20,000	2,300	370	660	1,300	NA	NA	40.73	5.82	34.91	NA	NA
S-2	04/29/1993	40,000	2,000	67	900	1,900	NA	NA	40.73	7.70	33.03	NA	NA
S-2	07/22/1993	22,000	3,000	120	1,000	1,600	NA	NA	40.73	8.38	32.35	NA	NA
S-2 (D)	07/22/1993	17,000	3,000	110	1,000	1,500	NA	NA	40.73	8.38	32.35	NA	NA
S-2	10/21/1993	14,000	2,800	74	870	1,100	NA	NA	40.73	8.58	32.15	NA	NA
S-2 (D)	10/21/1993	13,000	3,200	53	960	820	NA	NA	40.73	8.58	32.15	NA	NA
S-2	01/04/1994	21,000	2,100	67	990	770	NA	NA	40.73	7.70	33.03	NA	NA
S-2 (D)	01/04/1994	22,000	2,000	64	910	750	NA	NA	40.73	7.70	33.03	NA	NA
S-2	04/13/1994	NA	NA	NA	NA	NA	NA	NA	40.73	7.62	33.11	NA	NA
S-2	07/25/1994	43,000	2,600	490	990	1,300	NA	NA	40.73	7.86	32.87	NA	NA
S-2	10/10/1994	NA	NA	NA	NA	NA	NA	NA	40.73	8.12	32.61	NA	NA
S-2	01/26/1995	21,000	790	12	290	570	NA	NA	40.73	6.38	34.35	NA	5.5
S-2	04/21/1995	NA	NA	NA	NA	NA	NA	NA	40.73	7.01	33.72	NA	NA
S-2	07/28/1995	14,000	2,400	360	960	370	NA	NA	40.73	7.82	32.91	NA	4
S-2	10/31/1995	NA	NA	NA	NA	NA	NA	NA	40.73	7.57	33.16	NA	NA
S-2	01/10/1996	17,000	1,400	<50	480	170	NA	NA	40.73	8.13	32.60	NA	7.2
S-2	04/25/1996	NA	NA	NA	NA	NA	NA	NA	40.73	7.72	33.01	NA	NA
S-2	07/23/1996	16,000	2,700	69	1,100	110	9,500	NA	40.73	8.10	32.63	NA	2.2
S-2 (D)	07/23/1996	11,000	2,600	68	1,000	96	10,000	11,000	40.73	8.10	32.63	NA	2.2
S-2	12/10/1986	NA	NA	NA	NA	NA	NA	NA	40.73	8.57	32.16	NA	0.5
S-2	02/20/1997	10,000	500	<10	90	130	6,400	NA	40.73	8.15	32.58	NA	4
S-2	05/22/1997	NA	NA	NA	NA	NA	NA	NA	40.73	8.79	31.94	NA	1.1

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S-2	08/22/1997	23,000	1,300	65	740	290	4,500	NA	40.73	8.05	32.68	NA	3.2
S-2 (D)	08/22/1997	20,000	1,200	<100	630	250	3,900	NA	40.73	8.05	32.68	NA	3.2
S-2	11/03/1997	NA	NA	NA	NA	NA	NA	NA	40.73	8.75	31.98	NA	1.2
S-2	02/20/1998	450	28	1.3	7.4	12	35	NA	40.73	6.34	34.39	NA	0.4
S-2	05/18/1998	NA	NA	NA	NA	NA	NA	NA	40.73	7.95	32.78	NA	0.8
S-2	08/20/1998	22,000	290	44	420	410	7,300	NA	40.73	7.73	33.00	NA	1.9
S-2	11/06/1998	NA	NA	NA	NA	NA	NA	NA	40.73	8.47	32.26	NA	NA
S-2	02/16/1999	27,000	200	<200	770	840	5,400	NA	40.73	7.24	33.49	NA	1.4
S-2	05/28/1999	NA	NA	NA	NA	NA	NA	NA	40.73	7.82	32.91	NA	1.3
S-2	08/24/1999	13,400	196	<25.0	439	113	597	NA	40.73	8.61	32.12	NA	1.2
S-2	11/16/1999	NA	NA	NA	NA	NA	NA	NA	40.73	8.17	32.56	NA	1.1
S-2	02/02/2000	7,850	176	88.0	134	111	540	NA	40.73	7.57	33.16	NA	1.2
S-2	05/09/2000	NA	NA	NA	NA	NA	NA	NA	40.73	7.94	32.79	NA	1.3
S-2	08/03/2000	35,000	255	122	842	224	905	726e	40.73	8.07	32.66	NA	1.1
S-2	11/15/2000	NA	NA	NA	NA	NA	NA	NA	40.73	8.13	32.60	NA	1.3
S-2	02/14/2001	13,000	147	<25.0	309	54.4	581	NA	40.73	6.39	34.34	NA	1.4
S-2	05/31/2001	NA	NA	NA	NA	NA	NA	NA	40.73	7.21	33.52	NA	1.5
S-2	08/15/2001	15,000	67	4.1	220	33	NA	440	40.73	8.27	32.46	NA	0.6
S-2	12/31/2001	NA	NA	NA	NA	NA	NA	270	40.73	6.07	34.66	NA	0.2
S-2	02/06/2002	15,000	53	2.8	120	31	NA	220	40.73	7.98	32.75	NA	1.8
S-2	06/04/2002	NA	NA	NA	NA	NA	NA	NA	40.73	6.70	34.03	NA	0.2
S-2	07/25/2002	9,000	75	4.0	180	24	NA	460	40.63	7.67	32.96	NA	0.9
S-2	11/27/2002	NA	NA	NA	NA	NA	NA	NA	40.63	7.84	32.79	NA	0.7
S-2	01/30/2003	15,000	26	<2.5	92	22	NA	210	40.63	7.29	33.34	NA	15.6
S-2	06/03/2003	17,000	<25	<25	130	<50	NA	290	40.63	7.87	32.76	NA	5.4
S-2	08/08/2003	4,500	<2.5	<2.5	9.4	<5.0	NA	140	40.63	8.18	32.45	NA	16.2
S-2	11/13/2003	10,000	18	<10	47	21	NA	180	40.63	7.98	32.65	NA	19.5
S-2	02/04/2004	5,700	54	<10	54	<20	NA	270	40.63	7.21	33.42	NA	>15

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S-2	05/12/2004	8,200	18	<10	<10	<20	NA	250	40.63	8.07	32.56	NA	3.1
S-3	05/13/1991	3,300	30	3.6	26	13	NA	NA	41.46	7.90	33.56	NA	NA
S-3	08/23/1991	2,000	25	4	9.3	4.5	NA	NA	41.46	8.14	33.32	NA	NA
S-3	11/07/1991	4,000	20	3.9	5	4.9	NA	NA	41.46	7.91	33.55	NA	NA
S-3	01/28/1992	2,100	21	7.6	6.7	15	NA	NA	41.46	7.53	33.93	NA	NA
S-3(D)	01/28/1992	2,100	18	6.1	7.1	14	NA	NA	41.46	7.53	33.93	NA	NA
S-3	05/06/1992	6,600	38	51	45	65	NA	NA	41.46	7.55	33.91	NA	NA
S-3	08/26/1992	5,800	18	12	29	60	NA	NA	41.46	7.53	33.93	NA	NA
S-3	10/28/1992	3,000	55	11	16	32	NA	NA	41.46	7.95	33.51	NA	NA
S-3	01/19/1993	3,100	<5	5.1	11	16	NA	NA	41.46	6.12	35.34	NA	NA
S-3	04/29/1993	3,000	31	22	<5	14	NA	NA	41.46	7.27	34.19	NA	NA
S-3	07/22/1993	2,600	3.1	43	23	53	NA	NA	41.46	7.62	33.84	NA	NA
S-3	10/21/1993	2,500	73	14	16	32	NA	NA	41.46	7.81	33.65	NA	NA
S-3	01/04/1994	4,800	13	21	<12.5	33	NA	NA	41.46	7.49	33.97	NA	NA
S-3	04/13/1994	NA	NA	NA	NA	NA	NA	NA	41.46	7.32	34.14	NA	NA
S-3	07/25/1994	2,600	6.1	4	3.8	12	NA	NA	41.46	7.66	33.80	NA	NA
S-3	10/10/1994	NA	NA	NA	NA	NA	NA	NA	41.46	7.49	33.97	NA	NA
S-3	01/26/1995	3,600	30	6.8	5.6	19	NA	NA	41.46	6.50	34.96	NA	NA
S-3(D)	01/26/1995	2,200	9.9	15	14	22	NA	NA	41.46	6.50	34.96	NA	NA
S-3	04/21/1995	NA	NA	NA	NA	NA	NA	NA	41.46	6.79	34.67	NA	NA
S-3	07/28/1995	3,700	27	9.3	20	34	NA	NA	41.46	7.28	34.18	NA	4
S-3	10/31/1995	NA	NA	NA	NA	NA	NA	NA	41.46	6.74	34.72	NA	NA
S-3	01/10/1996	4,000	10	<0.5	13	28	NA	NA	41.46	7.48	33.98	NA	6.1
S-3	04/25/1996	NA	NA	NA	NA	NA	NA	NA	41.46	6.90	34.56	NA	NA
S-3	07/23/1996	2,100	20	<0.5	<0.5	<0.5	<25	NA	41.46	7.04	34.42	NA	2.1
S-3	12/10/1996	NA	NA	NA	NA	NA	NA	NA	41.46	7.96	33.50	NA	0.7
S-3	02/20/1997	3,500	83	<5.0	18	16	130	NA	41.46	7.44	34.02	NA	3

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S-3 (D)	02/20/1997	3,000	69	<5.0	14	12	70	NA	41.46	7.44	34.02	NA	3
S-3	05/22/1997	NA	NA	NA	NA	NA	NA	NA	41.46	7.13	34.33	NA	0.6
S-3	08/22/1997	4,700	60	12	19	21	40	NA	41.46	6.81	34.65	NA	2.9
S-3	11/03/1997	NA	NA	NA	NA	NA	NA	NA	41.46	7.40	34.06	NA	0.9
S-3	02/20/1998	3,400	<10	<10	14	18	85	NA	41.46	6.55	34.91	NA	0.8
S-3 (D)	02/20/1998	3,100	8.6	7.8	12	16	57	NA	41.46	6.55	34.91	NA	0.8
S-3	05/18/1998	NA	NA	NA	NA	NA	NA	NA	41.46	6.81	34.65	NA	0.7
S-3	08/20/1998	4,400	67	23	9.8	22	240	NA	41.46	6.98	34.48	NA	2.2
S-3	11/06/1998	NA	NA	NA	NA	NA	NA	NA	41.46	6.96	34.50	NA	NA
S-3	02/16/1999	2,000	6.9	6.2	3.7	4.8	47	NA	41.46	6.93	34.53	NA	2.0
S-3	05/28/1999	NA	NA	NA	NA	NA	NA	NA	41.46	6.74	34.72	NA	1.8
S-3	08/24/1999	4,170	54.8	14.2	6.65	13.7	43.4	NA	41.46	9.05	32.41	NA	1.9
S-3	11/16/1999	NA	NA	NA	NA	NA	NA	NA	41.46	7.09	34.37	NA	1.6
S-3	02/02/2000	2,410	133	112	24.9	104	46.0	NA	41.46	6.59	34.87	NA	1.9
S-3	05/09/2000	NA	NA	NA	NA	NA	NA	NA	41.46	7.13	34.33	NA	1.9
S-3	08/03/2000	3,890	17.2	21.9	<10.0	<10.0	166	NA	41.46	6.82	34.64	NA	1.8
S-3	11/15/2000	NA	NA	NA	NA	NA	NA	NA	41.46	6.98	34.48	NA	1.6
S-3	02/14/2001	2,800	35.8	5.57	3.83	2.94	1,070	1,250	41.46	6.57	34.89	NA	1.1
S-3	05/31/2001	NA	NA	NA	NA	NA	NA	NA	41.46	6.72	34.74	NA	1.6
S-3	08/15/2001	2,700	2.0	0.52	<0.50	2.0	NA	140	41.46	7.44	34.02	NA	0.6
S-3	12/31/2001	2,300	<2.0	<2.0	<2.0	<2.0	NA	470	41.46	6.62	34.84	NA	0.6
S-3	02/06/2002	2,000	2.6	1.6	4.3	7.8	NA	170	41.46	7.22	34.24	NA	2.2
S-3	06/04/2002	2,400	1.0	1.1	0.54	4.5	NA	120	41.46	7.34	34.12	NA	0.5
S-3	07/25/2002	3,100	0.86	<0.50	<0.50	2.0	NA	92	41.37	6.98	34.39	NA	1.0
S-3	11/27/2002	2,600	2.0	0.55	<0.50	2.1	NA	44	41.37	7.62	33.75	NA	0.7
S-3	01/30/2003	1,200	2.1	1.3	1.6	3.4	NA	42	41.37	7.14	34.23	NA	13.6
S-3	06/03/2003	2,700	2.9	<0.50	0.50	2.8	NA	43	41.37	7.25	34.12	NA	1.7
S-3	08/08/2003	1,400	2.4	0.71	<0.50	2.2	NA	32	41.37	7.67	33.70	NA	>20

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S-3	11/13/2003	5,200	5.1	2.4	<1.0	5.6	NA	69	41.37	7.56	33.81	NA	19.6
S-3	02/04/2004	2,800	1.9	<1.0	1.0	2.6	NA	20	41.37	7.12	34.25	NA	>15
S-3	05/12/2004	1,900	2.8	<1.0	<1.0	2.2	NA	9.7	41.37	7.94	33.43	NA	4.0

S-4	05/13/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	41.10	7.44	33.66	NA	NA
S-4	08/23/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	41.10	8.32	32.78	NA	NA
S-4	11/07/1991	260	<0.5	<0.5	<0.5	<0.5	NA	NA	41.10	8.32	32.78	NA	NA
S-4	01/28/1992	110c	<0.5	<0.5	<0.5	<0.5	NA	NA	41.10	7.40	33.70	NA	NA
S-4	05/06/1992	54	<0.5	<0.5	<0.5	<0.5	NA	NA	41.10	7.21	33.89	NA	NA
S-4	08/26/1992	67	<0.5	<0.5	<0.5	<0.5	NA	NA	41.10	8.13	32.97	NA	NA
S-4	10/28/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	41.10	8.73	32.37	NA	NA
S-4	01/19/1993	86	1.2	0.7	2.7	15	NA	NA	41.10	5.86	35.24	NA	NA
S-4	04/29/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	41.10	7.02	34.08	NA	NA
S-4(D)	04/29/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	41.10	7.02	34.08	NA	NA
S-4	07/22/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	41.10	7.76	33.34	NA	NA
S-4	10/21/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	41.10	8.53	32.57	NA	NA
S-4	01/04/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	41.10	7.92	33.18	NA	NA
S-4	04/13/1994	NA	NA	NA	NA	NA	NA	NA	41.10	7.71	33.39	NA	NA
S-4	07/25/1994	NA	NA	NA	NA	NA	NA	NA	41.10	7.82	33.28	NA	NA
S-4	10/10/1994	NA	NA	NA	NA	NA	NA	NA	41.10	8.15	32.95	NA	NA
S-4	01/26/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	41.10	5.73	35.37	NA	NA
S-4	04/21/1995	NA	NA	NA	NA	NA	NA	NA	41.10	6.26	34.84	NA	NA
S-4	07/28/1995	NA	NA	NA	NA	NA	NA	NA	41.10	7.80	33.30	NA	NA
S-4	10/31/1995	NA	NA	NA	NA	NA	NA	NA	41.10	8.45	32.65	NA	NA
S-4	01/10/1996	<50	1	2.8	<0.5	2.1	NA	NA	41.10	8.26	32.84	NA	2.8
S-4	04/25/1996	NA	NA	NA	NA	NA	NA	NA	41.10	7.14	33.96	NA	NA
S-4	07/23/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	41.10	8.18	32.92	NA	3.8
S-4	12/10/1996	NA	NA	NA	NA	NA	NA	NA	41.10	7.04	34.06	NA	3.9

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S-4	02/20/1997	<50	<0.50	<0.50	<0.50	<0.50	6.7	NA	41.10	7.07	34.03	NA	5
S-4	05/22/1997	NA	NA	NA	NA	NA	NA	NA	41.10	6.63	34.47	NA	0.8
S-4	08/22/1997	NA	NA	NA	NA	NA	NA	NA	41.10	7.69	33.41	NA	3.7
S-4	11/03/1997	NA	NA	NA	NA	NA	NA	NA	41.10	8.26	32.84	NA	1.3
S-4	02/20/1998	130	6.9	4.6	5.2	17	2.8	NA	41.10	5.57	35.53	NA	1.8
S-4	05/18/1998	NA	NA	NA	NA	NA	NA	NA	41.10	7.13	33.97	NA	1.4
S-4	08/20/1998	NA	NA	NA	NA	NA	NA	NA	41.10	7.77	33.33	NA	4.0
S-4	11/06/1998	NA	NA	NA	NA	NA	NA	NA	41.10	7.85	33.25	NA	NA
S-4	02/16/1999	<50	<0.50	<0.50	<0.50	<0.50	23	NA	41.10	6.51	34.59	NA	3.6
S-4	05/28/1999	NA	NA	NA	NA	NA	NA	NA	41.10	7.00	34.10	NA	3.2
S-4	08/24/1999	NA	NA	NA	NA	NA	NA	NA	41.10	9.13	31.97	NA	1.9
S-4	11/16/1999	NA	NA	NA	NA	NA	NA	NA	41.10	7.79	33.31	NA	1.7
S-4	02/02/2000	<50.0	<0.50	<0.50	<0.50	<0.50	<5.00	NA	41.10	7.19	33.91	NA	1.9
S-4	05/09/2000	NA	NA	NA	NA	NA	NA	NA	41.10	7.51	33.59	NA	1.8
S-4	08/03/2000	NA	NA	NA	NA	NA	NA	NA	41.10	7.83	33.27	NA	1.9
S-4	11/15/2000	NA	NA	NA	NA	NA	NA	NA	41.10	7.69	33.41	NA	1.5
S-4	02/14/2001	<50.0	<0.50	<0.50	<0.50	<0.50	<2.50	NA	41.10	6.20	34.90	NA	1.6
S-4	05/31/2001	NA	NA	NA	NA	NA	NA	NA	41.10	6.56	34.54	NA	1.6
S-4	08/15/2001	NA	NA	NA	NA	NA	NA	NA	41.10	7.90	33.20	NA	0.6
S-4	12/31/2001	NA	NA	NA	NA	NA	NA	NA	41.10	5.62	35.48	NA	2.7
S-4	02/06/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	41.10	7.29	33.81	NA	0.2
S-4	06/04/2002	NA	NA	NA	NA	NA	NA	NA	41.10	7.45	33.65	NA	0.6
S-4	07/25/2002	NA	NA	NA	NA	NA	NA	NA	41.04	7.39	33.65	NA	0.8
S-4	11/27/2002	NA	NA	NA	NA	NA	NA	NA	41.04	7.60	33.44	NA	NA
S-4	01/30/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	41.04	8.45	32.59	NA	NA
S-4	06/03/2003	NA	NA	NA	NA	NA	NA	NA	41.04	6.82	34.22	NA	NA
S-4	08/08/2003	NA	NA	NA	NA	NA	NA	NA	41.04	7.36	33.68	NA	NA
S-4	11/13/2003	NA	NA	NA	NA	NA	NA	NA	41.04	7.56	33.48	NA	NA

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S-4	02/04/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	41.04	6.47	34.57	NA	NA
S-4	05/12/2004	NA	NA	NA	NA	NA	NA	NA	41.04	7.10	33.94	NA	NA

S-5	05/13/1991	NA	NA	NA	NA	NA	NA	NA	39.99	14.60	30.57	6.48	NA
S-5	08/23/1991	NA	NA	NA	NA	NA	NA	NA	39.99	15.14	29.25	5.50	NA
S-5	11/07/1991	NA	NA	NA	NA	NA	NA	NA	39.99	15.10	29.17	5.35	NA
S-5	01/28/1992	NA	NA	NA	NA	NA	NA	NA	39.99	14.05	29.86	4.90	NA
S-5	05/06/1992	NA	NA	NA	NA	NA	NA	NA	39.99	14.31	30.21	5.66	NA
S-5	08/26/1992	NA	NA	NA	NA	NA	NA	NA	39.99	14.26	28.77	3.80	NA
S-5	10/28/1992	NA	NA	NA	NA	NA	NA	NA	39.99	14.22	28.82	3.81	NA
S-5	01/19/1993	NA	NA	NA	NA	NA	NA	NA	39.99	12.36	30.80	3.96	NA
S-5	04/29/1993	NA	NA	NA	NA	NA	NA	NA	39.99	9.64	31.07	0.90	NA
S-5	07/22/1993	NA	NA	NA	NA	NA	NA	NA	39.99	9.55	31.16	0.90	NA
S-5	10/21/1993	NA	NA	NA	NA	NA	NA	NA	39.99	11.23	29.34	0.73	NA
S-5	01/04/1994	NA	NA	NA	NA	NA	NA	NA	39.99	11.69	29.82	1.90	NA
S-5	04/13/1994	NA	NA	NA	NA	NA	NA	NA	39.99	11.42	29.87	1.62	NA
S-5	07/25/1994	NA	NA	NA	NA	NA	NA	NA	39.99	12.01	29.41	1.79	NA
S-5	10/10/1994	NA	NA	NA	NA	NA	NA	NA	39.99	12.05	29.38	1.80	NA
S-5	01/26/1995	NA	NA	NA	NA	NA	NA	NA	39.99	8.42	32.95	1.72	NA
S-5	04/21/1995	NA	NA	NA	NA	NA	NA	NA	39.99	10.03	30.90	1.17	NA
S-5	07/28/1995	NA	NA	NA	NA	NA	NA	NA	39.99	11.42	30.07	1.87	NA
S-5	10/31/1995	NA	NA	NA	NA	NA	NA	NA	39.99	13.21	27.21	0.54	NA
S-5	01/10/1996	NA	NA	NA	NA	NA	NA	NA	39.99	12.05	28.04	0.13	NA
S-5	04/25/1996	NA	NA	NA	NA	NA	NA	NA	39.99	9.68	30.33	0.03	NA
S-5	07/23/1996	NA	NA	NA	NA	NA	NA	NA	39.99	9.82	30.20	0.04	NA
S-5	12/10/1996	270,000	8,800	29,000	5,200	37,000	<2,500	NA	39.99	9.10	30.91	0.03	NA
S-5 (D)	12/10/1996	400,000	9,200	32,000	7,200	50,000	<2,500	NA	39.99	9.10	30.91	0.03	NA
S-5	02/20/1997	88,000	2,000	11,000	1,600	19,000	<500	NA	39.99	8.93	31.06	NA	5

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S-5	05/22/1997	NA	NA	NA	NA	NA	NA	NA	39.99	10.07	29.94	0.02	NA
S-5	08/22/1997	NA	NA	NA	NA	NA	NA	NA	39.99	10.24	29.77	0.02	NA
S-5	11/03/1997	NA	NA	NA	NA	NA	NA	NA	39.99	10.91	29.10	0.02	NA
S-5	02/20/1998	NA	NA	NA	NA	NA	NA	NA	39.99	7.81	32.20	0.03	NA
S-5	05/18/1998	NA	NA	NA	NA	NA	NA	NA	39.99	9.64	30.37	0.02	NA
S-5	05/31/2001	NA	NA	NA	NA	NA	NA	NA	39.99	10.13	29.86	NA	NA

S-6	05/13/1991	13,000	600	140	210	310	NA	NA	40.12	7.82	32.30	NA	NA
S-6	08/23/1991	9,800	480	80	120	150	NA	NA	40.12	9.58	30.54	NA	NA
S-6	11/07/1991	6,200	240	23	25	27	NA	NA	40.12	10.86	29.26	NA	NA
S-6	01/28/1992	5,600	250	15	41	36	NA	NA	40.12	8.97	31.15	NA	NA
S-6	05/06/1992	7,100	330	29	110	210	NA	NA	40.12	8.27	31.85	NA	NA
S-6	08/26/1992	13,000	240	<50	56	780	NA	NA	40.12	9.57	31.55	NA	NA
S-6	10/28/1992	10,000	470	210	67	170	NA	NA	40.12	8.90	32.22	NA	NA
S-6	01/19/1993	4,800	100	26	27	45	NA	NA	40.12	4.84	35.28	NA	NA
S-6	04/29/1993	7,000	430	20	<12.5	42	NA	NA	40.12	5.61	34.51	NA	NA
S-6	07/22/1993	5,800	260	120	65	150	NA	NA	40.12	6.56	33.56	NA	NA
S-6	10/21/1993	5,500	270	69	120	140	NA	NA	40.12	8.73	31.39	NA	NA
S-6	01/04/1994	7,100	180	58	63	62	NA	NA	40.12	7.14	32.98	NA	NA
S-6	04/13/1994	NA	NA	NA	NA	NA	NA	NA	40.12	7.21	32.91	NA	NA
S-6	07/25/1994	12,000	190	52	30	39	NA	NA	40.12	6.85	33.27	NA	NA
S-6 (D)	07/25/1994	7,200	170	32	31	34	NA	NA	40.12	6.85	33.27	NA	NA
S-6	10/10/1994	NA	NA	NA	NA	NA	NA	NA	40.12	6.20	33.92	NA	NA
S-6	01/26/1995	5,800	120	23	24	44	NA	NA	40.12	4.89	35.23	NA	NA
S-6	04/21/1995	NA	NA	NA	NA	NA	NA	NA	40.12	5.61	34.51	NA	NA
S-6	07/28/1995	4,400	210	23	34	60	NA	NA	40.12	5.30	34.82	NA	3
S-6 (D)	07/28/1995	6,100	230	20	38	59	NA	NA	40.12	5.30	34.82	NA	3
S-6	10/31/1995	NA	NA	NA	NA	NA	NA	NA	40.12	4.98	35.14	NA	NA

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S-6	01/10/1996	6,800	170	87	35	105	NA	NA	40.12	5.67	34.45	NA	2.2
S-6 (D)	01/10/1996	7,800	230	120	50	210	NA	NA	40.12	5.67	34.45	NA	2.2
S-6	04/25/1996	NA	NA	NA	NA	NA	NA	NA	40.12	5.23	34.89	NA	NA
S-6	07/23/1996	2,600	170	<0.5	<0.5	8.5	<25	NA	40.12	5.40	34.72	NA	1.4
S-6	12/10/1996	NA	NA	NA	NA	NA	NA	NA	40.12	6.68	33.44	NA	0.7
S-6	02/20/1997	6,300	160	7.7	14	31	77	NA	40.12	5.70	34.42	NA	2
S-6	05/22/1997	NA	NA	NA	NA	NA	NA	NA	40.12	5.49	34.63	NA	0.9
S-6	08/22/1997	6,200	160	26	15	27	49	NA	40.12	5.71	34.41	NA	2.8
S-6	11/03/1997	NA	NA	NA	NA	NA	NA	NA	40.12	6.15	33.97	NA	1.4
S-6	02/20/1998	4,100	150	<10	<10	15	55	NA	40.12	5.25	34.87	NA	0.4
S-6	05/18/1998	NA	NA	NA	NA	NA	NA	NA	40.12	5.69	34.43	NA	0.4
S-6	08/20/1998	7,800	240	38	16	39	110	NA	40.12	6.04	34.08	NA	1.5
S-6 (D) b	08/20/1998	8,400	270	30	19	31	130	NA	40.12	6.04	34.08	NA	1.5
S-6	11/06/1998	NA	NA	NA	NA	NA	NA	NA	40.12	6.10	34.02	NA	NA
S-6	02/16/1999	6,000	190	19	14	20	<2.5	NA	40.12	5.84	34.28	NA	1.7
S-6	05/28/1999	NA	NA	NA	NA	NA	NA	NA	40.12	9.51	30.61	NA	1.9
S-6	08/24/1999	6,870	193	32.1	18.8	36.4	<25.0	NA	40.12	8.29	31.83	NA	2.7
S-6	11/16/1999	NA	NA	NA	NA	NA	NA	NA	40.12	5.93	34.19	NA	2.6
S-6	02/02/2000	2,310	164	122	28.6	133	63.1	NA	40.12	5.33	34.79	NA	2.6
S-6	05/09/2000	NA	NA	NA	NA	NA	NA	NA	40.12	6.41	33.71	NA	2.4
S-6	08/03/2000	5,600	188	27.4	<10.0	25.2	174	NA	40.12	5.84	34.28	NA	2.7
S-6	11/15/2000	NA	NA	NA	NA	NA	NA	NA	40.12	5.58	34.54	NA	2.3
S-6	02/14/2001	6,140	126	13.2	8.01	18.0	205	NA	40.12	5.50	34.62	NA	1.3
S-6	05/31/2001	NA	NA	NA	NA	NA	NA	NA	40.12	5.52	34.60	NA	1.2
S-6	08/15/2001	6,000	160	9.1	5.8	24	NA	51	40.12	6.04	34.08	NA	0.4
S-6	12/31/2001	6,900	120	12	6.6	24	NA	44	40.12	5.52	34.60	NA	0.4
S-6	02/06/2002	4,300	110	7.3	4.8	18	NA	39	40.12	6.34	33.78	NA	0.5
S-6	06/04/2002	4,300	140	8.4	4.9	22	NA	26	40.12	6.19	33.93	NA	0.4

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S-6	07/25/2002	3,900	140	9.0	5.5	23	NA	31	39.92	6.05	33.87	NA	0.7
S-6	11/27/2002	5,200	160	9.6	4.9	24	NA	26	39.92	6.26	33.66	NA	NA
S-6	01/30/2003	4,700	200	9.6	5.5	25	NA	30	39.92	5.73	34.19	NA	NA
S-6	06/03/2003	3,900	160	10	<10	25	NA	30	39.92	5.52	34.40	NA	NA
S-6	08/08/2003	2,900	150	8.8	3.6	18	NA	18	39.92	6.14	33.78	NA	NA
S-6	11/13/2003	8,300	220	19	11	35	NA	28	39.92	5.85	34.07	NA	NA
S-6	02/04/2004	7,400	310	17	10	31	NA	30	39.92	5.51	34.41	NA	NA
S-6	05/12/2004	4,000	230	10	5.5	24	NA	21	39.92	6.10	33.82	NA	NA

S-7	05/13/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	40.10	10.56	29.54	NA	NA
S-7	08/23/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	40.10	11.16	28.94	NA	NA
S-7	11/07/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	40.10	11.48	28.62	NA	NA
S-7	01/28/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	40.10	10.72	29.38	NA	NA
S-7	05/06/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	40.10	10.34	29.76	NA	NA
S-7	08/26/1992	160	<0.5	<0.5	<0.5	<0.5	NA	NA	40.10	11.13	28.97	NA	NA
S-7	10/28/1992	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	40.10	11.52	28.58	NA	NA
S-7	01/19/1993	50	1.1	0.6	1.9	9.2	NA	NA	40.10	8.68	31.42	NA	NA
S-7	04/29/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	40.10	9.90	30.20	NA	NA
S-7	07/22/1993	Well inaccessible		NA	NA	NA	NA	NA	40.10	NA	NA	NA	NA
S-7	10/21/1993	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	40.10	11.10	29.00	NA	NA
S-7	01/04/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	40.10	10.40	29.70	NA	NA
S-7	04/13/1994	<50	1.4	0.61	<0.5	0.64	NA	NA	40.10	10.20	29.90	NA	NA
S-7 (D)	04/13/1994	<50	1.4	0.61	<0.5	0.66	NA	NA	40.10	10.20	29.90	NA	NA
S-7	07/25/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	40.10	10.48	29.62	NA	NA
S-7 a	10/10/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	40.10	10.64	29.46	NA	NA
S-7	01/26/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	40.10	7.75	32.35	NA	4.6
S-7	04/21/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	40.10	8.51	31.59	NA	NA
S-7	07/28/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	40.10	10.20	29.90	NA	3

WELL CONCENTRATIONS
Shell-branded Service Station
999 San Pablo Avenue
Albany, CA

Well ID	Date	TPPH (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)	SPH Thickness (ft.)	DO Reading (ppm)
S-7	10/31/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	40.10	10.86	29.24	NA	4.9
S-7	01/10/1996	<50	<0.5	2	<0.5	2.6	NA	NA	40.10	10.33	29.77	NA	7.6
S-7	04/25/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	40.10	9.13	30.97	NA	6.2
S-7	07/23/1996	<50	<0.5	<0.5	<0.5	<0.5	14	NA	40.10	10.18	29.92	NA	3.7
S-7	12/10/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	40.10	9.04	31.06	NA	4.6
S-7	02/20/1997	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	40.10	9.60	30.50	NA	5
S-7	05/22/1997	<50	1.3	<0.5	<0.5	<0.5	5.5	NA	40.10	10.63	29.47	NA	0.8
S-7	08/22/1997	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	40.10	10.95	29.15	NA	2.6
S-7	11/03/1997	<50	2.2	1.7	0.58	3.4	<2.5	NA	40.10	11.29	28.81	NA	2.6
S-7	02/20/1998	350	23	13	14	42	3.8	NA	40.10	7.73	32.37	NA	4.6
S-7	05/18/1998	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	40.10	10.29	29.81	NA	4.4
S-7	08/20/1998	Well inaccessible		NA	NA	NA	NA	NA	40.10	11.00	29.10	NA	5.4
S-7	11/06/1998	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	40.10	11.19	28.91	NA	5.2
S-7	02/16/1999	Well inaccessible		NA	NA	NA	NA	NA	40.10	NA	NA	NA	NA
S-7	05/28/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	40.10	9.76	30.34	NA	2.7
S-7	08/24/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	40.10	10.61	29.49	NA	2.1
S-7	11/16/1999	<50.0	<0.500	<0.500	<0.500	<0.500	3.68	NA	40.10	10.90	29.20	NA	2.3
S-7	02/02/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	40.10	10.30	29.80	NA	2.1
S-7	05/09/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	40.10	10.25	29.85	NA	2.7
S-7	08/03/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	40.10	10.65	29.45	NA	2.5
S-7	11/15/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	40.10	10.53	29.57	NA	4.6
S-7	02/14/2001	Well inaccessible		NA	NA	NA	NA	NA	40.10	NA	NA	NA	NA
S-7	05/31/2001	<50	<0.50	<0.50	<0.50	0.77	NA	4.6	40.10	9.46	30.64	NA	2.1
S-7	08/15/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	40.10	10.93	29.17	NA	2.0
S-7	12/31/2001	<50	<0.50	<0.50	<0.50	<0.50	NA	6.0	40.10	9.14	30.96	NA	3.0
S-7	02/06/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	40.10	8.61	31.49	NA	3.2
S-7	06/04/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	40.10	10.41	29.69	NA	0.9
S-7	07/25/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	39.91	10.37	29.54	NA	1.1

WELL CONCENTRATIONS
Shell-branded Service Station
999 San Pablo Avenue
Albany, CA

Well ID	Date	TPPH (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)	SPH Thickness (ft.)	DO Reading (ppm)
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S-7	11/27/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	39.91	10.52	29.39	NA	NA
S-7	01/30/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	39.91	9.38	30.53	NA	NA
S-7	06/03/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	0.72	39.91	10.18	29.73	NA	NA
S-7	08/08/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	39.91	10.43	29.48	NA	NA
S-7	11/13/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	39.91	10.39	29.52	NA	NA
S-7	02/04/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	39.91	9.17	30.74	NA	NA
S-7	05/12/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	39.91	10.20	29.71	NA	NA

S-8	05/10/2004	NA	NA	NA	NA	NA	NA	NA	40.52	10.85	29.67	NA	NA
S-8	05/12/2004	<1,300	<13	<13	<13	<25	NA	2,500	40.52	10.95	29.57	NA	NA

S-9	05/10/2004	NA	NA	NA	NA	NA	NA	NA	39.72	10.34	29.38	NA	NA
S-9	05/12/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	39.72	10.42	29.30	NA	NA

WELL CONCENTRATIONS
Shell-branded Service Station
999 San Pablo Avenue
Albany, CA

Well ID	Date	TPPH (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)	SPH Thickness (ft.)	DO Reading (ppm)
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Abbreviations:

TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to May 31, 2001, analyzed by EPA Method 8015.

BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to May 31, 2001, analyzed by EPA Method 8020.

MTBE = Methyl tertiary butyl ether

TOC = Top of Casing Elevation

TOB = Top of Wellbox Elevation

SPH = Separate-Phase Hydrocarbons

GW = Groundwater

DO = Dissolved Oxygen

ug/L = Parts per billion

MSL = Mean sea level

ft. = Feet

ppm = Parts per million

<n = Below detection limit

D = Duplicate sample

NA = Not applicable

WELL CONCENTRATIONS
Shell-branded Service Station
999 San Pablo Avenue
Albany, CA

Well ID	Date	TPPH (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)	SPH Thickness (ft.)	DO Reading (ppm)

Notes:

- a = Sample analyzed for total dissolved solids (450 mg/L).
 - b = Surrogate recovery outside QC limits due to matrix effect.
 - c = Chromatogram pattern indicated an unidentified hydrocarbon.
 - d = This sample analyzed outside of EPA recommended hold time.
 - e = Concentration is an estimate value above the linear quantitation range.
- Ownership of well S-5 is being transferred to Arco.
 Beginning July 25, 2002 depth to waters referenced to Top of Casing.
 Site surveyed January 9, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.
 Wells S-8 and S-9 surveyed May 11, 2004 by Virgil Chavez Land Surveying of Vallejo, CA.
 When separate-phase hydrocarbons are present, ground water elevation is adjusted using the relation:
 Corrected ground water elevation = Top-of-casing elevation - depth to water + (0.8 x hydrocarbon thickness).

Blaine Tech Services, Inc.

May 27, 2004

1680 Rogers Avenue
San Jose, CA 95112-1105
Attn.: Leon Gearhart
Project#: 040512-PC1
Project: 98995143
Site: 999 San Pablo Ave., Albany

Dear Mr. Gearhart,

Attached is our report for your samples received on 05/13/2004 14:51
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
06/27/2004 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: vvancil@stl-inc.com

Sincerely,



Vincent Vancil
Project Manager

Gas/BTEX/MTBE 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: 040512-PC1

98995143

Received: 05/13/2004 14:51

Site: 999 San Pablo Ave., Albany

Samples Reported

Sample ID	Time	Matrix	Count
S-2	05/12/2004 13:40	Water	1
S-3	05/12/2004 11:24	Water	2
S-6	05/12/2004 10:20	Water	3
S-7	05/12/2004 09:40	Water	4
S-8	05/12/2004 13:00	Water	5
S-9	05/12/2004 10:40	Water	6

Gas/BTEX/MTBE by 8260B (C6-C12)

Blaine Tech Services, Inc.

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

Project: 040512-PC1
98995143

Received: 05/13/2004 14:51

Site: 999 San Pablo Ave., Albany



Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	8200	1000	ug/L	20.00	05/25/2004 01:09	
Benzene	18	10	ug/L	20.00	05/25/2004 01:09	
Toluene	ND	10	ug/L	20.00	05/25/2004 01:09	
Ethylbenzene	ND	10	ug/L	20.00	05/25/2004 01:09	
Total xylenes	ND	20	ug/L	20.00	05/25/2004 01:09	
Methyl tert-butyl ether (MTBE)	250	10	ug/L	20.00	05/25/2004 01:09	
Surrogate(s)						
1,2-Dichloroethane-d4	111.0	76-130	%	20.00	05/25/2004 01:09	
Toluene-d8	98.6	78-115	%	20.00	05/25/2004 01:09	

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

05/26/2004 15:45

Gas/BTEX/MTBE by 8260B (C6-C12)

Blaine Tech Services, Inc.

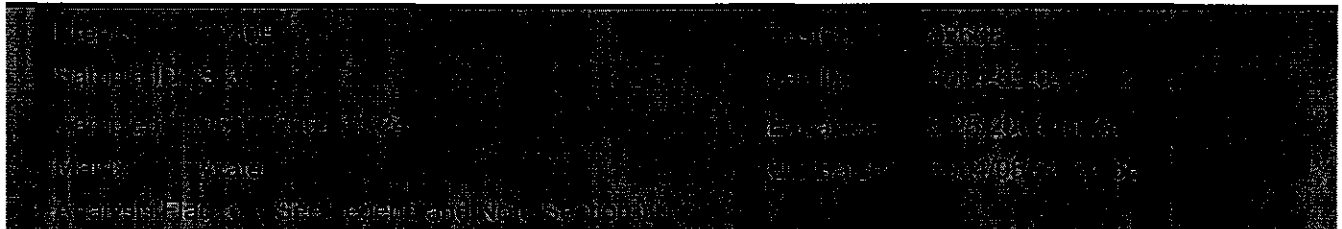
Attn.: Leon Gearhart

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

Project: 040512-PC1
98995143

Received: 05/13/2004 14:51

Site: 999 San Pablo Ave., Albany



Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	1900	100	ug/L	2.00	05/25/2004 01:28	
Benzene	2.8	1.0	ug/L	2.00	05/25/2004 01:28	
Toluene	ND	1.0	ug/L	2.00	05/25/2004 01:28	
Ethylbenzene	ND	1.0	ug/L	2.00	05/25/2004 01:28	
Total xylenes	2.2	2.0	ug/L	2.00	05/25/2004 01:28	
Methyl tert-butyl ether (MTBE)	9.7	1.0	ug/L	2.00	05/25/2004 01:28	
Surrogate(s)						
1,2-Dichloroethane-d4	111.4	76-130	%	2.00	05/25/2004 01:28	
Toluene-d8	94.2	78-115	%	2.00	05/25/2004 01:28	

Gas/BTEX/MTBE by 8260B (C6-C12)

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Received: 05/13/2004 14:51

Site: 999 San Pablo Ave., Albany



Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	4000	500	ug/L	10.00	05/25/2004 01:47	
Benzene	230	5.0	ug/L	10.00	05/25/2004 01:47	
Toluene	10	5.0	ug/L	10.00	05/25/2004 01:47	
Ethylbenzene	5.5	5.0	ug/L	10.00	05/25/2004 01:47	
Total xylenes	24	10	ug/L	10.00	05/25/2004 01:47	
Methyl tert-butyl ether (MTBE)	21	5.0	ug/L	10.00	05/25/2004 01:47	
Surrogate(s)						
1,2-Dichloroethane-d4	112.5	76-130	%	10.00	05/25/2004 01:47	
Toluene-d8	95.0	78-115	%	10.00	05/25/2004 01:47	

Gas/BTEX/MTBE by 8260B (C6-C12)

Blaine Tech Services, Inc.

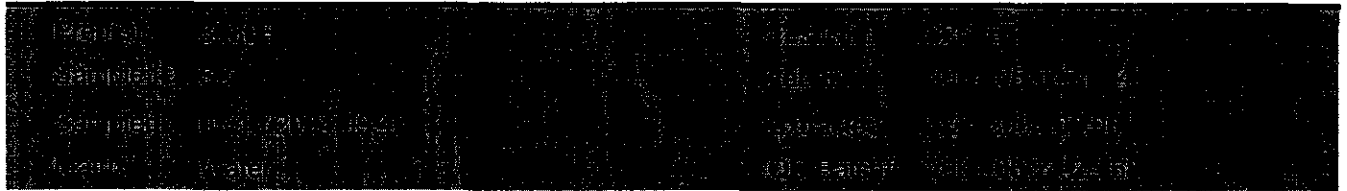
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98995143

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Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	05/25/2004 02:06	
Benzene	ND	0.50	ug/L	1.00	05/25/2004 02:06	
Toluene	ND	0.50	ug/L	1.00	05/25/2004 02:06	
Ethylbenzene	ND	0.50	ug/L	1.00	05/25/2004 02:06	
Total xylenes	ND	1.0	ug/L	1.00	05/25/2004 02:06	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	05/25/2004 02:06	
Surrogate(s)						
1,2-Dichloroethane-d4	104.2	76-130	%	1.00	05/25/2004 02:06	
Toluene-d8	99.0	78-115	%	1.00	05/25/2004 02:06	

Gas/BTEX/MTBE by 8260B (C6-C12)

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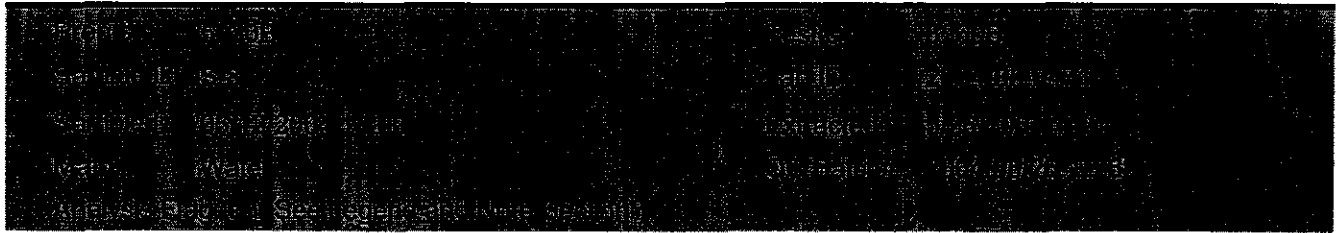
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Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1300	ug/L	25.00	05/26/2004 14:04	
Benzene	ND	13	ug/L	25.00	05/26/2004 14:04	
Toluene	ND	13	ug/L	25.00	05/26/2004 14:04	
Ethylbenzene	ND	13	ug/L	25.00	05/26/2004 14:04	
Total xylenes	ND	25	ug/L	25.00	05/26/2004 14:04	
Methyl tert-butyl ether (MTBE)	2500	13	ug/L	25.00	05/26/2004 14:04	
Surrogate(s)						
1,2-Dichloroethane-d4	116.9	76-130	%	25.00	05/26/2004 14:04	
Toluene-d8	100.8	78-115	%	25.00	05/26/2004 14:04	

Gas/BTEX/MTBE by 8260B (C6-C12)

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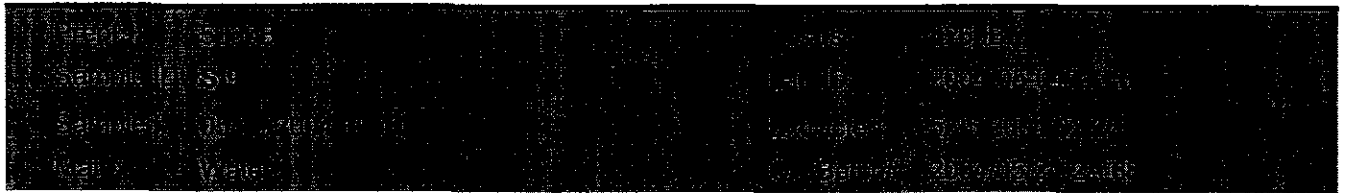
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Received: 05/13/2004 14:51

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Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	05/25/2004 02:25	
Benzene	ND	0.50	ug/L	1.00	05/25/2004 02:25	
Toluene	ND	0.50	ug/L	1.00	05/25/2004 02:25	
Ethylbenzene	ND	0.50	ug/L	1.00	05/25/2004 02:25	
Total xylenes	ND	1.0	ug/L	1.00	05/25/2004 02:25	
Methyl tert-butyl ether (MTBE)	ND	0.50	ug/L	1.00	05/25/2004 02:25	
Surrogate(s)						
1,2-Dichloroethane-d4	111.6	76-130	%	1.00	05/25/2004 02:25	
Toluene-d8	95.2	78-115	%	1.00	05/25/2004 02:25	

Gas/BTEX/MTBE by 8260B (C6-C12)

Blaine Tech Services, Inc.

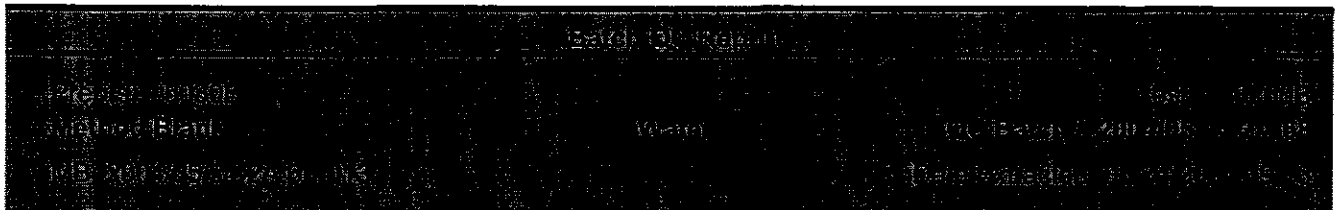
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Project: 040512-PC1
98995143

Received: 05/13/2004 14:51

Site: 999 San Pablo Ave., Albany



Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	05/24/2004 19:13	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	05/24/2004 19:13	
Benzene	ND	0.5	ug/L	05/24/2004 19:13	
Toluene	ND	0.5	ug/L	05/24/2004 19:13	
Ethylbenzene	ND	0.5	ug/L	05/24/2004 19:13	
Total xylenes	ND	1.0	ug/L	05/24/2004 19:13	
Surrogates(s)					
1,2-Dichloroethane-d4	98.6	76-130	%	05/24/2004 19:13	
Toluene-d8	92.2	78-115	%	05/24/2004 19:13	

Gas/BTEX/MTBE by 8260B (C6-C12)

Blaine Tech Services, Inc.

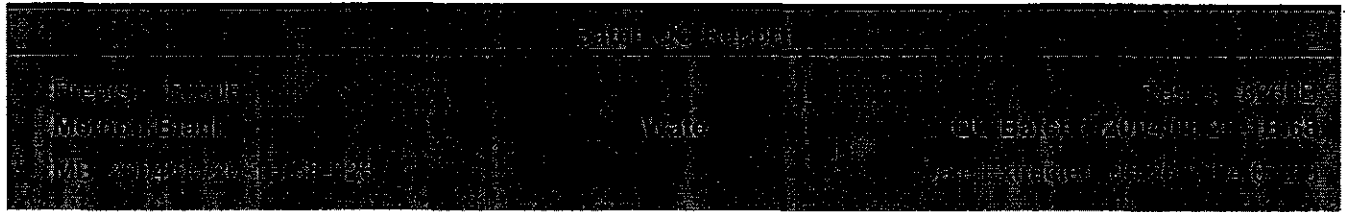
Attn.: Leon Gearhart

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

Project: 040512-PC1
98995143

Received: 05/13/2004 14:51

Site: 999 San Pablo Ave., Albany



Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	50	ug/L	05/26/2004 07:23	
Methyl tert-butyl ether (MTBE)	ND	0.5	ug/L	05/26/2004 07:23	
Benzene	ND	0.5	ug/L	05/26/2004 07:23	
Toluene	ND	0.5	ug/L	05/26/2004 07:23	
Ethylbenzene	ND	0.5	ug/L	05/26/2004 07:23	
Total xylenes	ND	1.0	ug/L	05/26/2004 07:23	
Surrogates(s)					
1,2-Dichloroethane-d4	97.2	76-130	%	05/26/2004 07:23	
Toluene-d8	93.7	78-115	%	05/26/2004 07:23	

Gas/BTEX/MTBE by 8260B (C6-C12)

Blaine Tech Services, Inc.

Attn.: Leon Gearhart

1680 Rogers Avenue

San Jose, CA 95112-1105

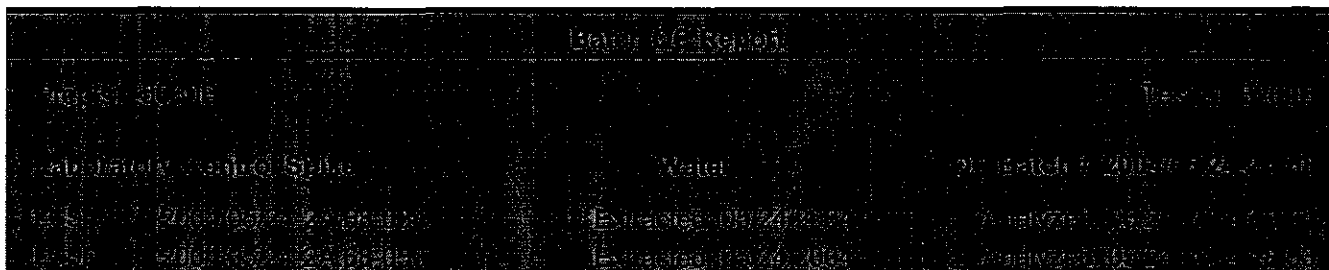
Phone: (408) 573-0555 Fax: (408) 573-7771

Project: 040512-PC1

98995143

Received: 05/13/2004 14:51

Site: 999 San Pablo Ave., Albany



Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	21.9	19.4	25	87.6	77.6	12.1	65-165	20		
Benzene	21.1	19.2	25	84.4	76.8	9.4	69-129	20		
Toluene	22.2	20.2	25	88.8	80.8	9.4	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	463	454	500	92.6	90.8		76-130			
Toluene-d8	502	470	500	100.4	94.0		78-115			

Gas/BTEX/MTBE by 8260B (C6-C12)

Blaine Tech Services, Inc.

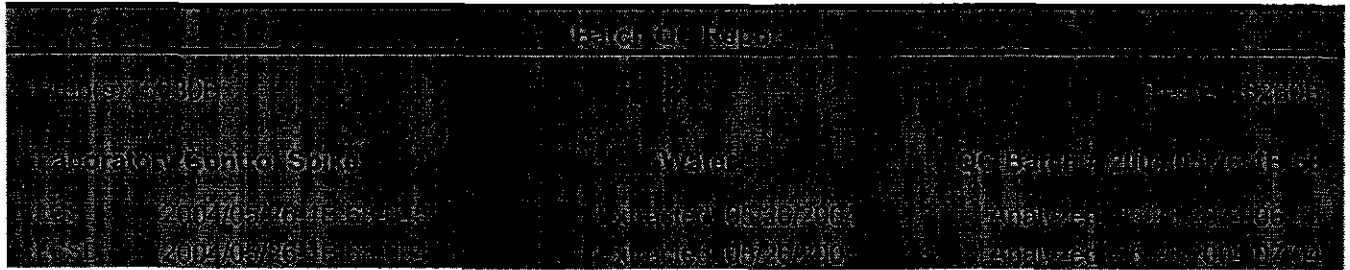
Attn.: Leon Gearhart

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

Project: 040512-PC1
98995143

Received: 05/13/2004 14:51

Site: 999 San Pablo Ave., Albany



Compound	Conc. ug/L		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	26.5	24.5	25	106.0	98.0	7.8	65-165	20		
Benzene	25.3	25.1	25	101.2	100.4	0.8	69-129	20		
Toluene	25.6	26.3	25	102.4	105.2	2.7	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	445	448	500	89.0	89.6		76-130			
Toluene-d8	495	490	500	99.0	98.0		78-115			

Gas/BTEX/MTBE 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: 040512-PC1

98995143

Received: 05/13/2004 14:51

Site: 999 San Pablo Ave., Albany



Analysis Flag

o

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

Shall Project Manager to be Involved:

Karen Petryna

2004-05-0471

9	8	9	9	5	1	4	3
---	---	---	---	---	---	---	---

DATE 5/12/04

PAGE 1 of 1

Lab Name: **Smirne Tech Services**
 Address: **3600 Rogers Avenue, San Jose, CA 95112**
 City, State, Zip: **San Jose, CA 95112**

Lab Manager: **Leon Ganshart**
 Phone: **408-573-0885**
 Fax: **408-573-7774**
 Email: **lganshart@smirnetech.com**

Project No: **101277**
 Project Name: **San Pablo Avenue, Albany**
 Project Manager: **Leon Ganshart**
 Project Phone: **(707) 442-2700**

Client Name: **SONOMA STATE UNIVERSITY**
 Client Address: **1601 SONOMA STATE UNIVERSITY DRIVE**
 Client City, State, Zip: **SONOMA, CA 94965**

Requested Analysis: **REQUESTED ANALYSIS**

Field Sample Identification	SAMPLING DATE	TIME	MATRIX	NO. OF CONT.	TPH - Ca, Ferrous	BTX	MTR (MTR18 - opp RL)	MTR (MTR18 - opp PL)	Organics (by (288))	Metals	LA-TCA (288)	EDG (288)	TPH - Diesel, Exhaustable (288)	MTR (MTR18 - opp RL)	FIELD NOTES:
S-2	5/12/04	1340	W	3	X	F	X	X							Container/Preservative or PID Readings or Laboratory Notes
S-3	5/12/04	1124	W	3	X	F	X	X							
S-6	5/12/04	1820	W	3	X	F	X	X							
S-7	5/12/04	940	W	3	X	F	X	X							
S-8	5/12/04	1700	W	3	X	F	X	X							
S-9	5/12/04	1640	W	3	X	F	X	X							

Date: 5/13/04 Time: 1456
 Date: 5/12/04 Time: 1712

Requested by: [Signature]
 Analyzed by: [Signature]
 Approved by: [Signature]

Appendix E

Virgil Chavez Surveying Results

Virgil Chavez Land Surveying

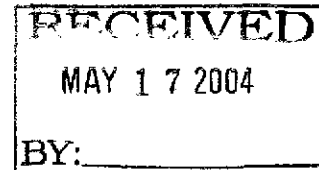
312 Georgia Street, Suite 225
Vallejo, California 94590-5907
(707) 553-2476 • Fax (707) 553-8698

May 12, 2004
Project No.: 2110-02

Scott Lewis
Cambria Environmental
270 Perkins Street
Sonoma, CA 95476

Project No.	0366				
RPT	PF	<input checked="" type="checkbox"/>	BF		
1	2	3	4	5	6

Subject: Monitoring Well Survey
Shell-Branded Service Station
999 San Pablo Avenue
Albany, CA



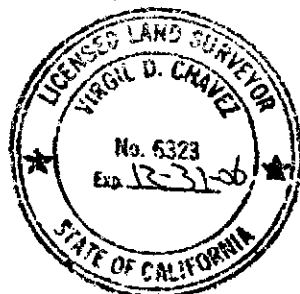
Dear Scott:

This is to confirm that we have proceeded at your request to survey the ground water monitoring wells located at the above referenced location. The survey was completed on May 11, 2004. The benchmark for this survey was a cut "X" in the north median island of San Pablo Avenue at the intersection of San Pablo Avenue and Marin Avenue. The latitude, longitude and coordinates are for top of casings and are based on the California State Coordinate System, Zone III (NAD83).
Benchmark Elevation = 41.47 feet (NGVD 29).

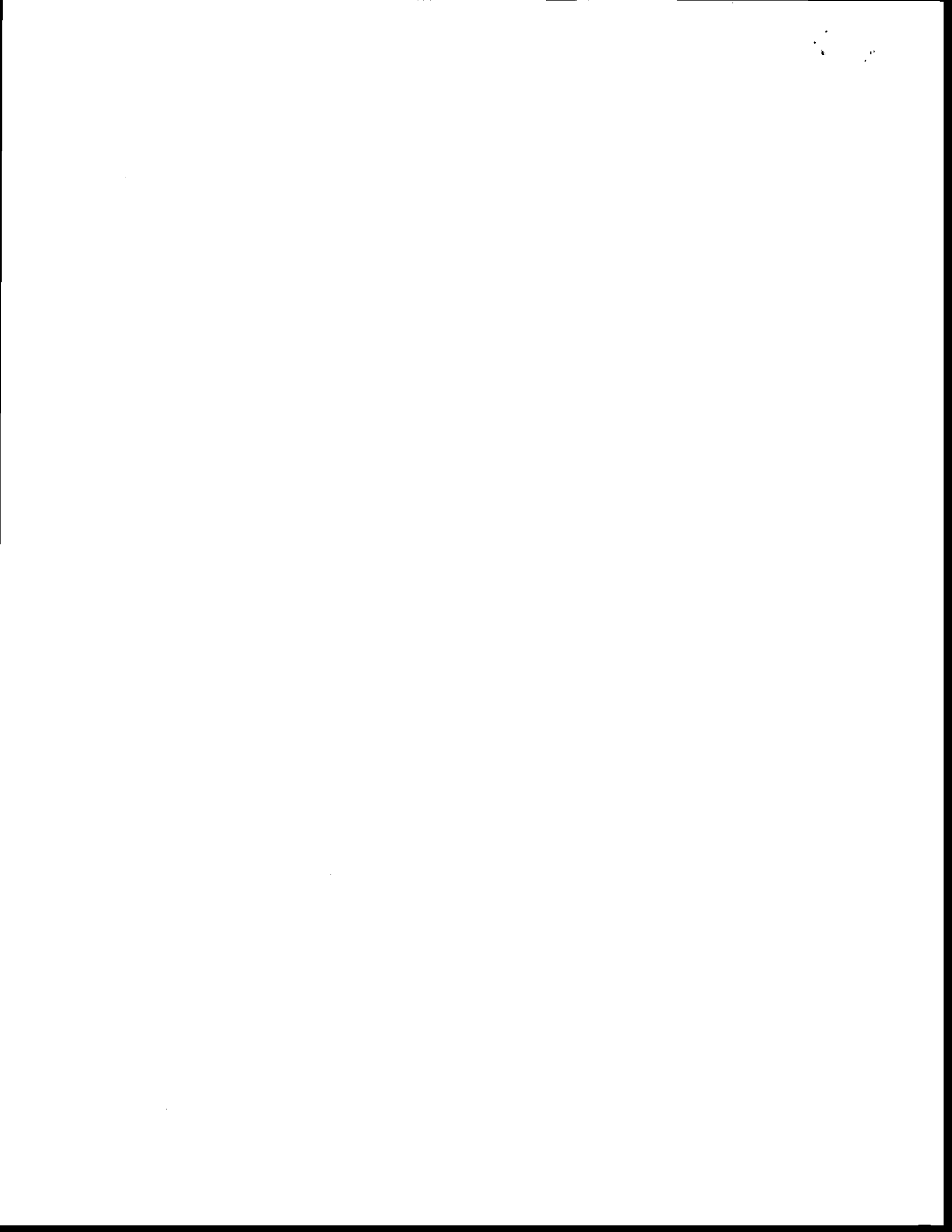
Latitude	Longitude	Northing	Easting	Elev.	Desc.
37.8869685	-122.2976985	2150410.09	6042908.38	40.91	RIM S-8
				40.52	TOC S-8
				40.21	RIM S-9
37.8870785	-122.2980364	2150452.01	6042811.64	39.72	TOC S-9

Sincerely,

Virgil D. Chavez
Virgil D. Chavez, PLS 6323



Appendix F
Certified Analytical Reports



Cambria Environmental Sonoma

May 20, 2004

270 Perkins Street
Sonoma, CA 95476

Attn.: Ana Friel

Project#: 246-0366

Project: 98995143

Site: 999 San Pablo Ave., Albany, CA

Attached is our report for your samples received on 05/07/2004 16:35

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 06/21/2004 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: vvancil@stl-inc.com

Sincerely,



Vincent Vancil
Project Manager

Gas/BTEX/MTBE by 8260B (C6-C12)

Cambria Environmental Sonoma

Attn.: Ana Friel

270 Perkins Street

Sonoma, CA 95476

Phone: (707) 442-2700 Fax: (707) 442-2700

Project: 246-0366

98995143

Received: 05/07/2004 16:35

Site: 999 San Pablo Ave., Albany, CA

Samples Reported

Sample Name	Sample Date	Sample Type	Sample Count
S-8-5'	05/06/2004 10:48	Soil	1
S-8-9.5'	05/06/2004 11:20	Soil	2
S-8-15.5'	05/06/2004 12:04	Soil	3
S-9-6'	05/06/2004 13:45	Soil	4
S-9-11'	05/06/2004 13:57	Soil	5
S-9-15.5'	05/06/2004 14:03	Soil	6

Gas/BTEX/MTBE by 8260B (C6-C12)

Cambria Environmental Sonoma

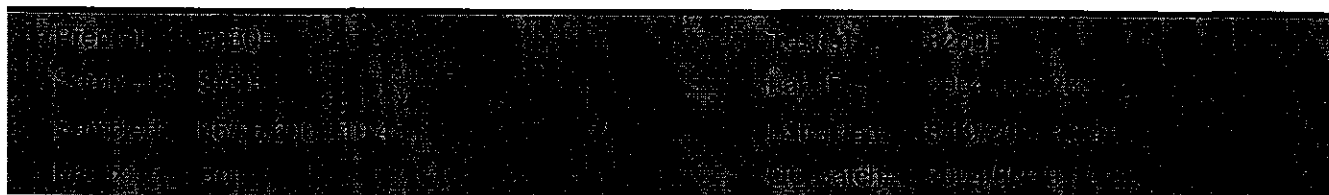
Attn.: Ana Friel

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 442-2700 Fax: (707) 442-2700

Project: 246-0366
98995143

Received: 05/07/2004 16:35

Site: 999 San Pablo Ave., Albany, CA



Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	05/19/2004 13:48	
Benzene	ND	0.0050	mg/Kg	1.00	05/19/2004 13:48	
Toluene	ND	0.0050	mg/Kg	1.00	05/19/2004 13:48	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	05/19/2004 13:48	
Total xylenes	ND	0.0050	mg/Kg	1.00	05/19/2004 13:48	
Methyl tert-butyl ether (MTBE)	0.046	0.0050	mg/Kg	1.00	05/19/2004 13:48	
Surrogate(s)						
1,2-Dichloroethane-d4	144.7	70-121	%	1.00	05/19/2004 13:48	sh
Toluene-d8	106.3	81-117	%	1.00	05/19/2004 13:48	

Gas/BTEX/MTBE by 8260B (C6-C12)

Cambria Environmental Sonoma

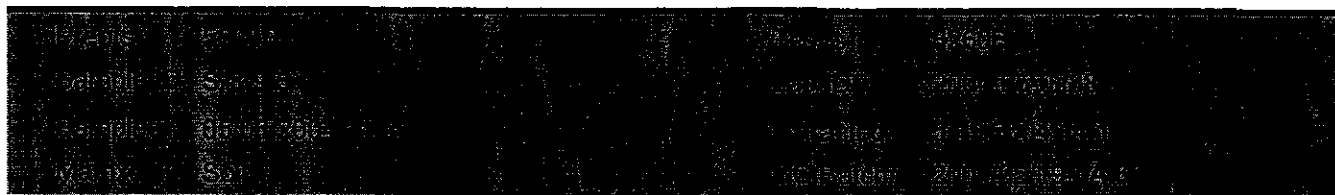
Attn.: Ana Friel

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 442-2700 Fax: (707) 442-2700

Project: 246-0366
98995143

Received: 05/07/2004 16:35

Site: 999 San Pablo Ave., Albany, CA



Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	6.1	1.0	mg/Kg	1.00	05/19/2004 14:10	
Benzene	ND	0.0050	mg/Kg	1.00	05/19/2004 14:10	
Toluene	ND	0.0050	mg/Kg	1.00	05/19/2004 14:10	
Ethyl benzene	0.0081	0.0050	mg/Kg	1.00	05/19/2004 14:10	
Total xylenes	0.0059	0.0050	mg/Kg	1.00	05/19/2004 14:10	
Methyl tert-butyl ether (MTBE)	0.066	0.0050	mg/Kg	1.00	05/19/2004 14:10	
Surrogate(s)						
1,2-Dichloroethane-d4	138.1	70-121	%	1.00	05/19/2004 14:10	sh
Toluene-d8	109.9	81-117	%	1.00	05/19/2004 14:10	

Gas/BTEX/MTBE by 8260B (C6-C12)

Cambria Environmental Sonoma

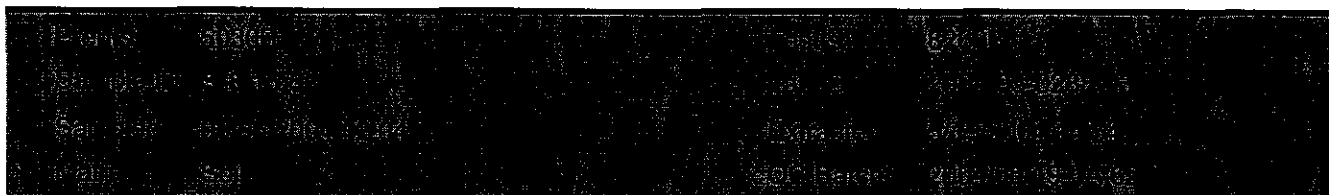
Attn.: Ana Friel

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 442-2700 Fax: (707) 442-2700

Project: 246-0366
98995143

Received: 05/07/2004 16:35

Site: 999 San Pablo Ave., Albany, CA



Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	05/19/2004 14:54	
Benzene	ND	0.0050	mg/Kg	1.00	05/19/2004 14:54	
Toluene	ND	0.0050	mg/Kg	1.00	05/19/2004 14:54	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	05/19/2004 14:54	
Total xylenes	ND	0.0050	mg/Kg	1.00	05/19/2004 14:54	
Methyl tert-butyl ether (MTBE)	0.10	0.0050	mg/Kg	1.00	05/19/2004 14:54	
Surrogate(s)						
1,2-Dichloroethane-d4	154.3	70-121	%	1.00	05/19/2004 14:54	sh
Toluene-d8	110.4	81-117	%	1.00	05/19/2004 14:54	

Gas/BTEX/MTBE by 8260B (C6-C12)

Cambria Environmental Sonoma

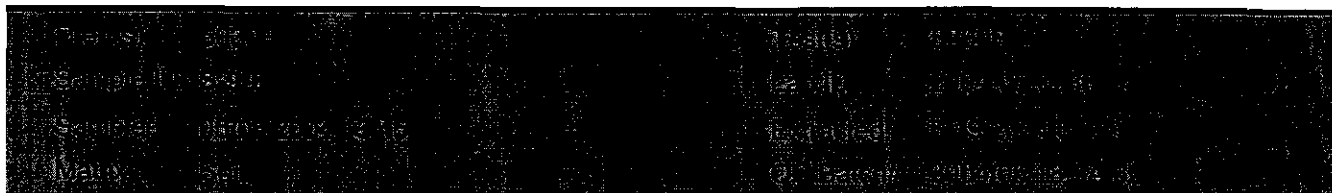
Attn.: Ana Friel

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 442-2700 Fax: (707) 442-2700

Project: 246-0366
98995143

Received: 05/07/2004 16:35

Site: 999 San Pablo Ave., Albany, CA



Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	05/19/2004 00:28	
Benzene	ND	0.0050	mg/Kg	1.00	05/19/2004 00:28	
Toluene	ND	0.0050	mg/Kg	1.00	05/19/2004 00:28	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	05/19/2004 00:28	
Total xylenes	ND	0.0050	mg/Kg	1.00	05/19/2004 00:28	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	05/19/2004 00:28	
Surrogate(s)						
1,2-Dichloroethane-d4	90.0	70-121	%	1.00	05/19/2004 00:28	
Toluene-d8	98.2	81-117	%	1.00	05/19/2004 00:28	

Gas/BTEX/MTBE by 8260B (C6-C12)

Cambria Environmental Sonoma

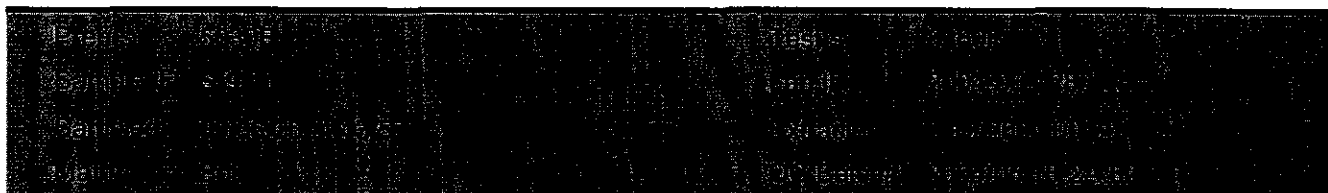
Attn.: Ana Friel

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 442-2700 Fax: (707) 442-2700

Project: 246-0366
98995143

Received: 05/07/2004 16:35

Site: 999 San Pablo Ave., Albany, CA



Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	05/19/2004 00:50	
Benzene	ND	0.0050	mg/Kg	1.00	05/19/2004 00:50	
Toluene	ND	0.0050	mg/Kg	1.00	05/19/2004 00:50	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	05/19/2004 00:50	
Total xylenes	ND	0.0050	mg/Kg	1.00	05/19/2004 00:50	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	05/19/2004 00:50	
Surrogate(s)						
1,2-Dichloroethane-d4	93.4	70-121	%	1.00	05/19/2004 00:50	
Toluene-d8	91.5	81-117	%	1.00	05/19/2004 00:50	

Gas/BTEX/MTBE by 8260B (C6-C12)

Cambria Environmental Sonoma

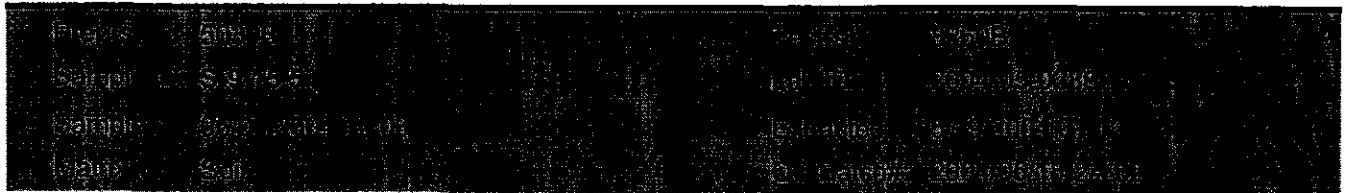
Attn.: Ana Friel

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 442-2700 Fax: (707) 442-2700

Project: 246-0366
98995143

Received: 05/07/2004 16:35

Site: 999 San Pablo Ave., Albany, CA



Compound	Conc.	RL	Unit	Dilution	Analyzed	Flag
Gasoline	ND	1.0	mg/Kg	1.00	05/19/2004 01:12	
Benzene	ND	0.0050	mg/Kg	1.00	05/19/2004 01:12	
Toluene	ND	0.0050	mg/Kg	1.00	05/19/2004 01:12	
Ethyl benzene	ND	0.0050	mg/Kg	1.00	05/19/2004 01:12	
Total xylenes	ND	0.0050	mg/Kg	1.00	05/19/2004 01:12	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	1.00	05/19/2004 01:12	
Surrogate(s)						
1,2-Dichloroethane-d4	96.3	70-121	%	1.00	05/19/2004 01:12	
Toluene-d8	99.3	81-117	%	1.00	05/19/2004 01:12	

Gas/BTEX/MTBE by 8260B (C6-C12)

Cambria Environmental Sonoma
Attn.: Ana Friel

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 442-2700 Fax: (707) 442-2700
Project: 246-0366
98995143

Received: 05/07/2004 16:35

Site: 999 San Pablo Ave., Albany, CA



Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.000	mg/Kg	05/18/2004 17:57	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	05/18/2004 17:57	
Benzene	ND	0.0050	mg/Kg	05/18/2004 17:57	
Toluene	ND	0.0050	mg/Kg	05/18/2004 17:57	
Ethyl benzene	ND	0.0050	mg/Kg	05/18/2004 17:57	
Total xylenes	ND	0.0050	mg/Kg	05/18/2004 17:57	
Surrogates(s)					
1,2-Dichloroethane-d4	88.0	70-121	%	05/18/2004 17:57	
Toluene-d8	101.2	81-117	%	05/18/2004 17:57	

Gas/BTEX/MTBE by 8260B (C6-C12)

Cambria Environmental Sonoma

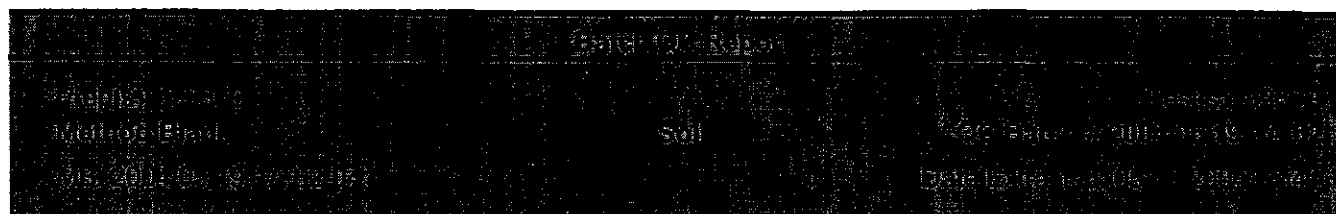
Attn.: Ana Friel

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 442-2700 Fax: (707) 442-2700

Project: 246-0366
98995143

Received: 05/07/2004 16:35

Site: 999 San Pablo Ave., Albany, CA



Compound	Conc.	RL	Unit	Analyzed	Flag
Gasoline	ND	1.000	mg/Kg	05/19/2004 07:41	
Methyl tert-butyl ether (MTBE)	ND	0.0050	mg/Kg	05/19/2004 07:41	
Benzene	ND	0.0050	mg/Kg	05/19/2004 07:41	
Toluene	ND	0.0050	mg/Kg	05/19/2004 07:41	
Ethyl benzene	ND	0.0050	mg/Kg	05/19/2004 07:41	
Total xylenes	ND	0.0050	mg/Kg	05/19/2004 07:41	
Surrogates(s)					
1,2-Dichloroethane-d4	93.7	70-121	%	05/19/2004 07:41	
Toluene-d8	94.8	81-117	%	05/19/2004 07:41	

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

05/20/2004 08:57

Gas/BTEX/MTBE by 8260B (C6-C12)

Cambria Environmental Sonoma

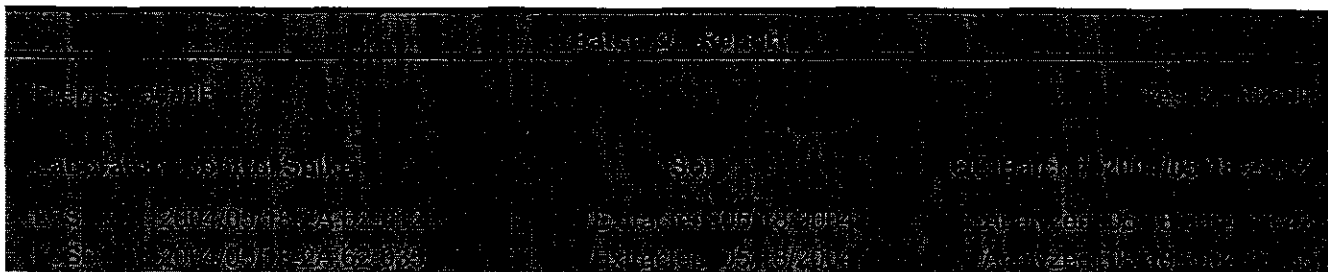
Attn.: Ana Friel

270 Perkins Street
Sonoma, CA 95476
Phone: (707) 442-2700 Fax: (707) 442-2700

Project: 246-0366
98995143

Received: 05/07/2004 16:35

Site: 999 San Pablo Ave., Albany, CA



Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0506	0.0510	0.05	101.2	102.0	0.8	65-165	20		
Benzene	0.0424	0.0501	0.05	84.8	100.2	16.6	69-129	20		
Toluene	0.0452	0.0496	0.05	90.4	99.2	9.3	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	443	459	500	88.6	91.8		70-121			
Toluene-d8	463	494	500	92.6	98.8		81-117			

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

05/20/2004 08:57

Page 10 of 13

Gas/BTEX/MTBE by 8260B (C6-C12)

Cambria Environmental Sonoma

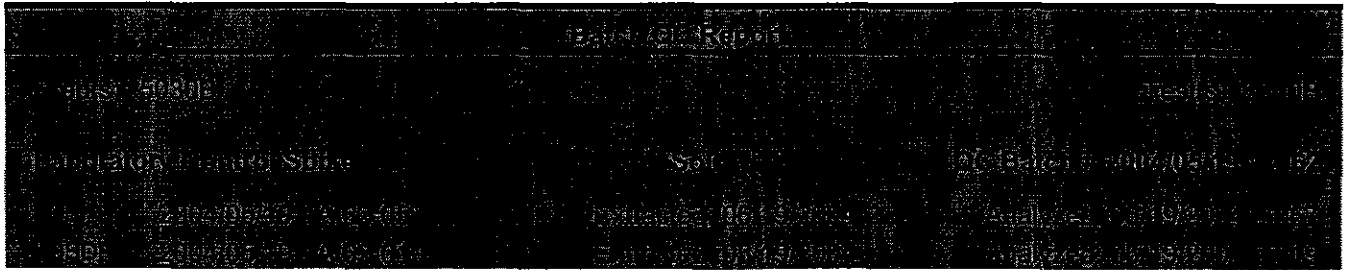
Attn.: Ana Friel

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Sonoma, CA 95476
Phone: (707) 442-2700 Fax: (707) 442-2700

Project: 246-0366
98995143

Received: 05/07/2004 16:35

Site: 999 San Pablo Ave., Albany, CA



Compound	Conc. mg/Kg		Exp.Conc.	Recovery %		RPD	Ctrl.Limits %		Flags	
	LCS	LCSD		LCS	LCSD		%	Rec.	RPD	LCS
Methyl tert-butyl ether (MTBE)	0.0445	0.0394	0.05	89.0	78.8	12.2	65-165	20		
Benzene	0.0434	0.0397	0.05	86.8	79.4	8.9	69-129	20		
Toluene	0.0419	0.0392	0.05	83.8	78.4	6.7	70-130	20		
Surrogates(s)										
1,2-Dichloroethane-d4	466	422	500	93.2	84.4		70-121			
Toluene-d8	519	469	500	103.8	93.8		81-117			

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

05/20/2004 08:57

Gas/BTEX/MTBE by 8260B (C6-C12)

Cambria Environmental Sonoma

Attn.: Ana Friel

270 Perkins Street

Sonoma, CA 95476

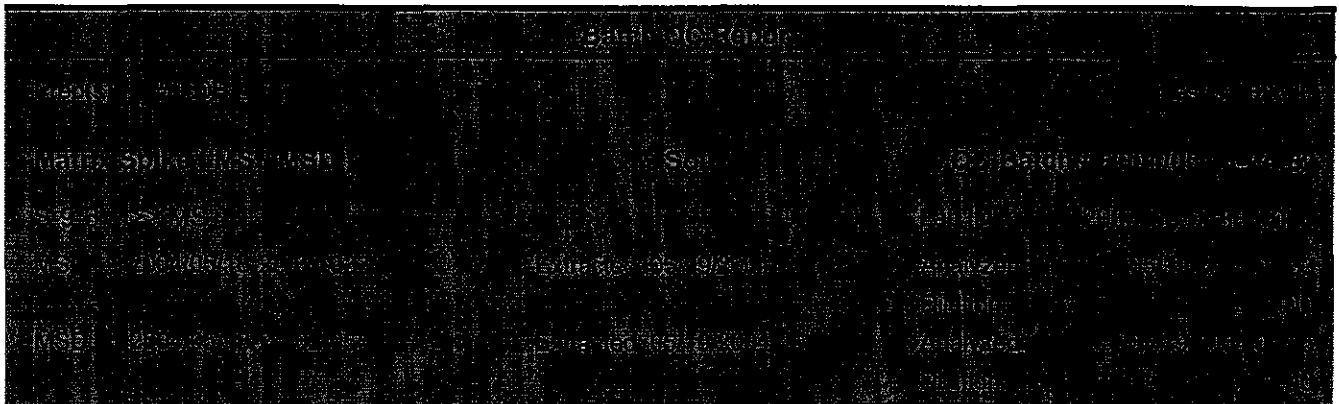
Phone: (707) 442-2700 Fax: (707) 442-2700

Project: 246-0366

98995143

Received: 05/07/2004 16:35

Site: 999 San Pablo Ave., Albany, CA



Compound	Conc. mg/Kg			Spk.Level mg/Kg	Recovery %			Limits %		Flags	
	MS	MSD	Sample		MS	MSD	RPD	Rec.	RPD	MS	MSD
Methyl tert-butyl ether	0.0390	0.0430	ND	0.044484	87.6	94.5	7.6	65-165	20		
Benzene	0.0364	0.0397	ND	0.044484	81.8	87.3	6.5	69-129	20		
Toluene	0.0356	0.0402	ND	0.044484	80.0	88.4	10.0	70-130	20		
Surrogate(s)											
1,2-Dichloroethane-d4	442	472		500	88.3	94.4		70-121			
Toluene-d8	445	475		500	88.9	95.1		81-117			

Gas/BTEX/MTBE by 8260B (C6-C12)

Cambria Environmental Sonoma

Attn.: Ana Friel

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Sonoma, CA 95476

Phone: (707) 442-2700 Fax: (707) 442-2700

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Result Flag

sh

Surrogate recovery was higher than QC limit due to matrix interference.

871-San Francisco

SHELL Chain of Custody Record

85649

1220 Quarry Lane
Piscataway, NJ 08854

(908) 484-1919 (908) 484-1098 fax

Cambridge Environmental Technology, Inc.
270 Parkside Street, Roseland, NJ 07068

707-442-2700
707-442-2700
707-442-2700

☐ 1A - Single Report Form ☐ 1B - Lab Kit
☐ 1C - 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☐ 120 Hour

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

Shell Project Manager to be Involved:

Karen Petyan

2004-05-0288

9 8 9 9 5 1 4 3

DATE: 5-6-04
PAGE 1 of 1

707-566-1100
ALBANY, CA

Ann Fried

707-442-2700

70600161277

296-0366

REQUESTED ANALYSIS:

Field Sample Identification	SAMPLING DATE	TIME	MATERIAL	NO. OF CONT.	TPH - Purgable	TPH - Extractable (6015a)	STX	ETX	EA	Cryoseals	1,2 DCA and EDB	Ethanol	Methanol	VOCs by 8260B	Semi-Volatiles by 8270C	Lead ☐ 700 ☐ 810 ☐ 910	LUPIS ☐ 700 ☐ 810 ☐ 910	CMT7 ☐ 700 ☐ 810 ☐ 910	Test for Disposal	TEMPERATURE ON RECEIPT	
																					K
S-8-5'	5/6	10:15	SO	1	K	K	K	K	K												7.0
S-8-7.5'	5/6	11:20	SO	1	K	K	K	K	K												
S-8-15.5'	5/6	12:04	SO	1	K	K	K	K	K												
S-9-6'	5/6	03:55	SO	1	K	K	K	K	K												
S-9-11'	5/6	13:57	SO	1	K	K	K	K	K												
S-9-15.5'	5/6	14:03	SO	1	K	K	K	K	K												

Scott Lewis

5-6-04

5-6-04

1700

5-7-04 1600

5-7-04

5-7-04

1635

5-7-04 1900

5-7-04

5-7-04

1900

10